

GERON CORP
Form 424B2
September 16, 2005

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PROSPECTUS SUPPLEMENT

(To Prospectuses dated February 14, 2002 and
June 30, 2004)

Filed Pursuant to Rule 424(b)(2)
File Nos. 333-81596 and 333-115195

8,000,000 Shares

Geron Corporation
Common Stock

We are offering all of the 8,000,000 shares of our common stock offered by this prospectus supplement. Of these shares, we are offering 6,000,000 shares through the underwriters named herein. The remaining shares are being sold directly by us to Merck & Co., Inc., pursuant to the exercise, concurrent with the offering, of an outstanding warrant issued to Merck on July 15, 2005, in connection with the execution of the Research, Development and Commercialization License Agreement by us and Merck on July 15, 2005. The warrant provides for the purchase by Merck of \$18.0 million of our common stock at a per share exercise price equal to the price to the public in this offering.

Our common stock is traded on the Nasdaq National Market under the symbol GERN. On September 15, 2005, the last reported sale price of our common stock on the Nasdaq National Market was \$9.99 per share. Of the 8,000,000 shares of our common stock offered by this prospectus supplement, we are offering 4,522,277 shares pursuant to registration statement file number 333-81596 and 3,477,723 shares pursuant to registration statement file number 333-115195.

Investing in our common stock involves a high degree of risk. Before buying any shares, you should carefully read the discussion of material risks of investing in our common stock in Risk factors beginning on page S-10 of this prospectus supplement.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the accompanying prospectuses are truthful or complete. Any representation to the contrary is a criminal offense.

| | Per share | Total |
|---|----------------------|---------------|
| Public offering price | \$ 9.00 | \$ 72,000,000 |
| Underwriting discounts and commissions on underwritten shares | \$ 0.54 | \$ 3,240,000 |
| Proceeds, before expenses, to us from underwritten shares | \$ 8.46 | \$ 50,760,000 |
| Proceeds, before expenses, to us from Merck Warrant exercise | \$ 9.00 | \$ 18,000,000 |
| Proceeds, before expenses, to us from all 8,000,000 shares | | \$ 68,760,000 |

The underwriters may also purchase from us up to 900,000 additional shares of our common stock at the public offering price, less the underwriting discounts and commissions, to cover over-allotments, if any, within 30 days from the date of this prospectus supplement.

The underwriters are offering the shares of our common stock as described in Plan of Distribution. Delivery of the shares will be made on or about September 21, 2005.

Sole Book-Running Manager
UBS Investment Bank

Co-Managers

SG Cowen & Co.

Needham & Company, LLC

Lazard Capital Markets

Rodman & Renshaw

WBB Securities, LLC

The date of this prospectus supplement is September 16, 2005.

You should rely only on the information contained or incorporated by reference in this prospectus supplement and the accompanying prospectuses. We have not authorized anyone to provide information different from that contained or incorporated by reference in this prospectus supplement or the accompanying prospectuses. Neither the delivery of this prospectus supplement nor the sale of shares of common stock means that information contained or incorporated by reference in this prospectus supplement or the accompanying prospectuses is correct after the date of this prospectus supplement. These documents do not constitute an offer to sell or solicitation of an offer to buy these shares of common stock in any circumstance under which the offer or solicitation is unlawful.

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Unless otherwise mentioned or unless the context requires otherwise, all references in this prospectus supplement and the accompanying prospectuses to the company, Geron, we, us, our, or similar references mean Geron Corporation and its subsidiary.

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Prospectus supplement summary

This summary highlights information contained in this prospectus supplement and the accompanying prospectuses. Because it is a summary, it does not contain all the information you should consider before investing in our common stock. You should carefully read this entire prospectus supplement and the accompanying prospectuses, including the Risk factors section and the documents incorporated by reference, before making an investment decision.

BUSINESS OVERVIEW

Geron is a biopharmaceutical company focused on developing and commercializing three groups of products: i) therapeutic products for oncology that target telomerase; ii) pharmaceuticals that activate telomerase in tissues impacted by senescence, injury or degenerative disease; and iii) cell-based therapies derived from its human embryonic stem cell platform for applications in multiple chronic diseases. We believe we are the leading company in the development of telomerase and human embryonic stem cell-based therapeutics.

Cancer therapeutics and diagnostics

We are developing anti-cancer therapies that target the enzyme telomerase. We believe telomerase is an ideal target for cancer therapeutics and diagnostics because it appears to be both universal it is expressed in all major types of cancers studied to date and specific it is not expressed in most normal cells. We believe that we have the dominant patent position in the field of telomerase.

Our most advanced therapeutic program is a cancer vaccine that has completed an investigator-sponsored Phase 1-2 clinical study in patients with metastatic prostate cancer at Duke University Medical Center. We are continuing to treat patients in a second study with a boosting regimen designed to extend the duration of the immune response to the vaccine. In March 2005, we announced the publication of results of the initial Phase 1-2 clinical trial at Duke. The results showed that the vaccination protocol generated telomerase-specific T-cell response in 19 of 20 subjects. The vaccine was well tolerated with no major treatment-related toxicities to date. Patients showed substantially higher levels of T-cell reactivity than typically seen in cancer vaccines: 1% to 2% of circulating CD8+ T-cells demonstrated anti-telomerase specificity. Vaccination was also associated with a significant reduction in prostate-specific antigen (PSA) doubling time (the rate of PSA rise, a surrogate indicator of increasing tumor burden) and clearance of circulating tumor cells.

In July 2005, we entered into a collaboration and license agreement with Merck & Co., Inc. to develop a cancer vaccine targeting telomerase using Merck's vaccine platform. Under the terms of the agreement, Geron and Merck will jointly develop a plan to optimize the demonstration of efficacy and tolerability of a potential cancer vaccine targeting telomerase using Merck's platform. This collaboration with Merck does not include commercial rights to our dendritic cell-based vaccine program undergoing trials at Duke. However, Merck has an exclusive option to negotiate a separate arrangement for partnering this asset with us. We will continue to develop our dendritic cell-based vaccine product.

We have also begun clinical testing of a novel compound, GRN163L, to treat cancer by directly inhibiting telomerase at its active site. We are beginning to identify patients with chronic lymphocytic leukemia for enrollment in a Phase 1-2 clinical trial at two sites in the New York metropolitan area.

GRN163L represents a proprietary class of short-chain oligonucleotides that has demonstrated significant telomerase inhibitory activity at very low concentrations in biochemical assays and various cellular systems. GRN163L has been shown to inhibit telomerase in human tumor cells of many cancer types (including lung, breast, prostate, and liver cancer), in both cell culture systems and animal models. We have performed preclinical studies which have demonstrated favorable pharmacodynamic and pharmacokinetic characteristics of the compound. We believe preclinical studies of this compound alone, and in combination with chemotherapeutic agents, indicate the importance of telomerase as a

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target for the treatment of cancer, and the potential utility of GRN163L in the treatment of patients with hematologic and solid tumor malignancies.

In addition, through our licensee, Cell Genesys, Inc., we are participating in the development of genetically engineered viruses designed to infect and kill cancer cells, which express telomerase, and not kill normal cells, which do not express telomerase.

Our collaborator, Roche Diagnostics, is developing product candidates using telomerase as a cancer marker for applications in early diagnosis, patient monitoring and screening. Data generated to date in a bladder cancer study conducted by Roche suggest that such a product may be a sensitive and specific method for detecting recurrence in bladder cancer patients.

Human embryonic stem cell therapeutics

We are developing cell-based therapeutics for several diseases based on differentiated cells derived from human embryonic stem cells (hESCs), including neural cells for spinal cord injury, cardiomyocytes for heart disease, pancreatic β islet cells for diabetes, osteoblasts for osteoporosis, chondrocytes for osteoarthritis, and hematopoietic cells for blood diseases and to prevent immune rejection of the other cell types. We are now testing these six different therapeutic cell types derived from hESCs in animal models. In four of these cell types, we have preliminary results indicating efficacy as evidenced by functional improvements, or engraftments of the cells in the treated animals. After completion of additional preclinical studies, we expect to begin one or more Phase 1 clinical trials, most likely including treatment for spinal cord injury.

We have developed proprietary methods to grow, maintain and scale up undifferentiated hESCs and differentiate them into therapeutically relevant cells. We own or have licenses to core intellectual property and critical enabling technology in this field.

TECHNOLOGY OVERVIEW

Telomeres and telomerase background

Telomeres, located at the ends of chromosomes, are key genetic elements involved in the regulation of the cellular aging process. Each time a normal cell divides, telomeres shorten. Once telomeres reach a certain short length, cell division halts and the cell enters a state known as senescence or aging. Telomeres thus serve as a molecular clock for cellular aging. Telomerase is an enzyme that is capable of restoring telomere length, thereby resetting the molecular clock. During tumor progression, telomerase is abnormally activated in all major cancer types. We and others have shown that at least 30 types of cancers express telomerase, and we have not identified any significant cancer type that does not express telomerase. While telomerase does not cause cancer (which is caused by mutations of growth-control genes in cells), the presence of telomerase enables cancer cells to maintain telomere length, providing them with indefinite replicative capacity. We and others have shown in various tumor models that inhibiting telomerase activity results in telomere shortening and therefore causes aging or death of the cancer cell. Although telomerase is expressed in cancer cells, it is not expressed in most normal cells. That gives telomerase the potential of being both a universal as well as a highly specific cancer target. This specificity means that drugs and biologics that attack cancer cells by targeting telomerase may leave other cells unaffected, and thus should have fewer side effects than conventional chemotherapeutic agents that attack many cancer and non-cancer cells at once.

Telomerase therapeutic vaccine program

Our most advanced therapeutic program is a telomerase cancer vaccine. The goal of therapeutic cancer vaccines is to teach the patient's own immune system to attack cancer cells while sparing other cells. This is done by exposing the immune system to a substance (an antigen) that is as specific to cancer cells as possible, thus inducing an immune response to any cells that present that antigen. We believe that telomerase's characteristics make it an ideal antigen for cancer vaccines. The telomerase vaccine

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being tested at Duke University Medical Center generates cytotoxic T-cells specific for telomerase, and those T-cells then attack cancer cells that express telomerase while not affecting most normal cells. The Duke Phase 1-2 clinical trial uses an *ex vivo* process. Dendritic cells (the most efficient antigen-presenting cells) are isolated from the patient's blood, pulsed with telomerase RNA, and then returned to the patient's body where they instruct cytotoxic T-cells to kill tumor cells expressing telomerase.

Pursuant to our agreement with Argos Therapeutics, Inc. (formerly Merix Bioscience, Inc.) we have the exclusive right to use telomerase as an antigen with Argos's platform dendritic cell technology in therapeutic cancer vaccines. Geron owns or holds the exclusive rights to the telomerase antigen and its use in therapeutic vaccines.

Telomerase inhibitors

We have designed and synthesized a special class of short-chain nucleic acid molecules, known as oligonucleotides, to target the template region, or active site, of telomerase. These oligonucleotides have demonstrated highly potent telomerase inhibitory activity at very low concentrations in biochemical assays and various cellular systems. Research by our collaborators has shown that these compounds inhibit the growth of malignant human glioblastoma (brain cancer) cells, prostate cancer cells, lymphoma, myeloma, hepatocellular carcinoma (liver cancer) and cervical cancer cells in animals. Our compounds, GRN163 and GRN163L, are direct enzyme inhibitors, not antisense compounds. They are much smaller (with lower molecular weight) than typical antisense compounds or other oligonucleotide drug candidates, and we expect them to be administered either locally or systemically. They do not inhibit other critical nucleic acid-modifying enzymes and do not appear to be toxic to normal cells at concentrations needed to inhibit telomerase in tumor cells. Both compounds use a special thiophosphoramidate chemical backbone, for which we acquired controlling patents in March 2002. GRN163L is identical in structure to GRN163 except that it has a lipid attached to one end of the molecule, which appears to improve its pharmacokinetics in certain cancer types and should make its manufacture more efficient and less expensive. The improved pharmacokinetic characteristics of GRN163L suggest that it should be effective in inhibiting telomerase in tumor cells when administered systemically. We believe GRN163 may have utility in cancers which require local administration.

Human embryonic stem cells

Stem cells are self-renewing cells that are able to develop into functional, differentiated cells. Among the several kinds of stem cells, hESCs are distinct because they are pluripotent, meaning that they can develop into all cells and tissues in the body. hESCs also express telomerase and can therefore multiply or replicate indefinitely. The ability of hESCs to divide indefinitely in the undifferentiated state without losing pluripotency is a characteristic that distinguishes them from all other stem cells discovered to date in humans. hESCs are derived from *in vitro* fertilized blastocysts or very early-stage embryos donated with informed consent. Other stem cells such as blood or gut stem cells express telomerase at very low levels or only periodically, and therefore age, limiting their use in research and therapeutic applications.

We have proprietary methods of growing and maintaining hESCs that use a serum-free medium containing specific defined growth factors, without the need for either feeder cells or conditioned medium. Previously, hESCs have been grown in direct contact with mouse or human feeder cells, or by using media conditioned through exposure to such cells. Our methods eliminate the need for such feeder cells and conditioned media. One such method maintained stable growth of two hESC cell lines tested for at least 11-15 weeks and the cell lines maintained their potential to differentiate into cells representing all the major cell lineages of the body. This method also eliminates the risk of contamination of the therapeutic cell populations by infectious agents or other components derived from the feeder cells. We are developing hESCs to serve as standardized starting material for the manufacture of cells for the production of therapeutic cell products.

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Therapeutic applications using hESCs

Oligodendrocytes for spinal cord injury

We have derived oligodendrocytes from hESCs in culture and have begun testing them in animal models to determine whether they can restore normal neural function. In our collaboration with researchers at the University of California, Irvine, we have shown proof-of-concept in spinal cord-injured rats which demonstrated significant functional improvement after receiving transplants of hESC-derived oligodendrocyte progenitors.

In May 2005, we announced the publication of studies demonstrating that hESC-derived oligodendroglial progenitor cells delivered to the injured spinal cord in rats resulted in functional improvement in locomotion as well as histological evidence of spinal cord repair.

Cardiomyocytes for heart disease

We have differentiated hESCs into cardiomyocytes that spontaneously contract and respond normally to cardiac drugs. We have transplanted these cells into animal models, and to date the cells appear to be engrafting and integrating with the myocardium in uninjured animals, as well as restoring cardiac function in animals with induced myocardial infarctions.

In November 2004, we announced an improved method to produce cardiomyocytes with higher purity and maturity, with a 20-fold increase in expression of cardiomyocyte markers and greater than 65% purity. The new process significantly improves both the yield, scalability, and control of the production of cardiomyocytes.

Islet cells for diabetes

We have derived insulin-producing β islet cells from hESCs and are working to improve the yield of islet cells and characterize their secretion of insulin in response to glucose.

In November 2004, we announced the results of studies performed with our collaborators at the University of Alberta in Edmonton, Canada. Pancreatic islet-like cells derived from hESCs were transplanted into streptozotocin-induced diabetic mice, a rodent model for diabetes. Histological examination of the grafts showed the presence of c-peptide-producing cells three months after transplantation. Human c-peptide was also found in the serum of these transplanted animals after challenge with high glucose. C-peptide is a secretory cleavage product of insulin, indicative of production of insulin by hESC-derived cells.

Osteoblasts for osteoporosis and non-union bone fractures

We have made osteoblasts from hESCs and are now conducting preclinical tests in animals. Upon successful preclinical testing, we plan to test the cells in patients with non-union fractures (fractures of the long bones of the leg or arm that do not heal). If these trials are successful, we plan to test these cells in patients with refractory osteoporosis.

Chondrocytes for osteoarthritis

We plan to derive chondrocytes from hESCs and, if *in vitro* studies and animal testing are successful, investigate these chondrocytes in patients with osteoarthritis by injecting these chondrocytes directly into their affected joints.

Hematopoietic cells for hematologic diseases and to prevent immune rejection

We have derived hematopoietic stem cells from hESCs, and tests of these cells in animal models of bone marrow transplantation show engraftment of the cells. In March 2005, our collaborators at the Robarts Research Institute in London, Ontario, Canada, published studies demonstrating that

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hematopoietic stem cells derived from hESCs can establish hematopoiesis in mouse models, leading to production of all major human blood cell types. These results document the potential of differentiated hESCs to survive and establish functional tissue *in vivo* and have positive implications for strategies to promote therapeutic graft acceptance without use of long-term immunosuppression.

Research tool applications using hESCs

We are developing methods to derive standardized functional hepatocytes (liver cells) from hESCs to address the significant unmet need for a reliable predictor of the metabolism, biodistribution and toxicity of drug development candidates. If we are successful, these cells would provide a consistent source of normal human liver cells that can reliably predict how a new drug will affect the livers of the people who take it. We believe that an unlimited supply of human hepatocytes that retain normal drug-metabolizing enzyme activity would address the largest bottleneck in new drug research and accelerate the drug development process. In addition, the availability of hepatocytes from numerous individuals would allow a more thorough understanding of the effects of a drug candidate on a specific individual, allowing full development of the field of pharmacogenomics: the correlation of a compound's activity with an individual's genetic make-up. We have succeeded in demonstrating that hepatocytes derived from hESCs express normal markers of hepatocyte function, including drug-metabolizing enzymes.

In 2004, we entered into a collaboration with the Roslin Institute and CXR Biosciences Ltd. to develop and commercialize hESC-derived hepatocytes for use in *in vitro* assays for drug metabolism and toxicity.

Telomerase activation

We are also working to develop product candidates to treat various degenerative diseases through the controlled activation of telomerase. Eventual loss of telomere function on one or a few chromosomes triggers a complex response associated with damaged DNA, leading to loss of normal cell function, division capacity, and/or cell death. This process of replicative senescence is now believed to play an important role in age-related diseases (e.g. cardiovascular diseases, stroke, macular degeneration, osteoporosis, and joint disease) and in conditions such as viral infections or chronic stress (e.g. AIDS, liver diseases, and skin ulcers). Controlled activation of telomerase in normal cells can restore telomere length and thereby increase the lifespan of cells without altering their normal function or causing them to become cancerous.

A small molecule telomerase activator could find utility in the treatment of essentially all age-related diseases that involve reduced cellular proliferative capacity or sensitivity to stress related to lack of telomerase activity or shortened telomeres. In March 2005, we announced the presentation of studies showing that our small molecule telomerase activators, GRN139951 and GRN140665, enhance the functional activity of immune cells from HIV/AIDS donors.

We announced in March 2005 the formation of a new joint venture, TA Therapeutics Limited, with the Biotechnology Research Corporation (BRC) of Hong Kong. The company, based in Hong Kong, will conduct research and commercially develop products that utilize telomerase activator drugs to restore the regenerative and functional capacity of cells in various organ systems that have been impacted by senescence, injury or chronic disease.

Nuclear transfer

We acquired a significant patent estate in nuclear transfer with our acquisition in 1999 of Roslin Bio-Med Ltd., a commercial subsidiary of the Roslin Institute which pioneered the use of nuclear transfer technology for the creation of cloned animals. In April 2005, we formed a new joint venture, stART Licensing, Inc., that will manage and license a broad portfolio of intellectual property rights related to animal cloning, including the Roslin nuclear transfer cloning technology. stART Licensing is a joint

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venture between Geron and Exeter Life Sciences, Inc. We have retained all rights to the use of this technology in human cells.

The technology that stART offers has the potential to impact many fields of biotechnology product development. For human medicine, animal cloning theoretically may be used to develop animals that secrete therapeutic proteins in their milk, that produce antibodies for use as vaccines or that produce animal tissues modified for xenotransplantation. Theoretically, cloning can be used in agriculture to improve health, quality and consistency of animal herds more quickly than is possible through conventional breeding.

OUR STRATEGY

Our strategy is to exploit the value in our telomerase and hESC technologies by developing and commercializing our own therapeutic and diagnostic products in selected large-market indications as well as by forming selective collaborations and partnerships with other companies to take advantage of their financial, intellectual property, scientific and/or marketing resources. In oncology, we plan to accomplish this by continuing the clinical development of our telomerase inhibitor compounds and our telomerase cancer vaccine, while relying on our partners to advance our oncolytic virus and telomerase diagnostic product candidates through preclinical and clinical development. In human embryonic stem cell therapeutics, we plan to continue to build value by demonstrating proof-of-concept in animals for each cell type, pursuing clinical development of one or more cell types, and entering into license or partnering agreements under our hESC patent estate as appropriate.

CORPORATE INFORMATION

We were incorporated in the state of Delaware on November 28, 1990. Our principal executive offices are located at 230 Constitution Drive, Menlo Park, California 94025. Our telephone number is (650) 473-7700. Our website is www.geron.com. Information contained on our website does not constitute a part of this prospectus supplement.

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The offering

Common stock we are offering:

| | |
|--------------------------------|------------------|
| Through underwriters | 6,000,000 shares |
| Upon exercise of Merck Warrant | 2,000,000 shares |
| Total | 8,000,000 shares |

Common stock to be outstanding after this offering 63,913,730 shares

Merck & Co., Inc. warrant exercise Concurrent with the underwritten offering, we shall issue to Merck shares of common stock with an aggregate purchase price equal to \$18,000,000 in connection with the exercise of a warrant issued to Merck on July 15, 2005 (the Merck Warrant). The Merck Warrant has a per share exercise price equal to the per share price to the public in this offering.

Nasdaq National Market Symbol GERN

Use of proceeds We intend to use the net proceeds of this offering to fund research and development, including clinical trials of our product candidates, and for general corporate purposes. See Use of proceeds.

The information above is based on 55,913,730 shares of common stock as of August 31, 2005 and assumes the automatic exercise of the Merck Warrant concurrent with this offering. It does not include outstanding options and warrants as of August 31, 2005 as follows:

4 7,790,593 shares of our common stock issuable upon exercise of outstanding options granted under our stock option plans at a weighted average exercise price of \$7.96 per share; and

4 5,335,436 shares of our common stock issuable upon exercise of outstanding warrants at a weighted average price of \$11.02 per share.

Unless otherwise indicated, all information in this prospectus supplement assumes no exercise of the underwriters over-allotment option to purchase up to 900,000 shares of common stock.

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The tables below present our summary consolidated statement of operations and balance sheet data. We have derived our consolidated statement of operations data for the years ended December 31, 2002, 2003 and 2004 from our audited consolidated financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2004 and incorporated by reference in this prospectus supplement and the accompanying prospectuses. We have derived our condensed consolidated balance sheet data as of June 30, 2005 and consolidated statement of operations data for each of the six months ended June 30, 2004 and 2005 from our unaudited consolidated financial statements included in our quarterly report on Form 10-Q for the quarter ended June 30, 2005 and incorporated by reference in this prospectus supplement and the accompanying prospectuses. The unaudited consolidated financial statements include, in our opinion, all adjustments (consisting only of normal recurring adjustments) that are necessary for a fair presentation of our financial position and results of operations for these periods. Operating results for the six months ended June 30, 2005 are not necessarily indicative of the results that may be expected for the fiscal year ending December 31, 2005, or any other period. You should read the summary consolidated financial data set forth below in conjunction with Management's discussion and analysis of financial condition and results of operations and with our consolidated financial statements and related notes incorporated by reference in this prospectus supplement and the accompanying prospectuses.

| Consolidated statement of operations data: | Year ended December 31, | | | Six months ended June 30, | |
|---|---|-----------------|-----------------|----------------------------------|-----------------|
| | 2002 | 2003 | 2004 | 2004 | 2005 |
| | (in thousands, except share and per share amounts) | | | | |
| Revenues from collaborative agreements | \$ 566 | \$ 72 | \$ | \$ | \$ 51 |
| License fees and royalties | 682 | 1,102 | 1,053 | 614 | 4,679 |
| Total revenues | 1,248 | 1,174 | 1,053 | 614 | 4,730 |
| Operating expenses: | | | | | |
| Research and development | 29,822 | 25,551 | 30,084 | 13,199 | 13,297 |
| Acquired in-process research technology(1) | | | 45,150 | 45,150 | |
| General and administrative | 7,126 | 5,803 | 7,104 | 3,444 | 5,693 |
| Total operating expenses | 36,948 | 31,354 | 82,338 | 61,793 | 18,990 |
| Loss from operations | (35,700) | (30,180) | (81,285) | (61,179) | (14,260) |
| Interest and other income | 2,548 | 1,810 | 1,552 | 883 | 1,845 |
| Conversion expense(2) | | (779) | | | |
| Equity in losses of joint venture | | | | | (12) |

| | | | | | | | | | | |
|--|----|------------|----|------------|----|------------|----|------------|----|------------|
| Interest and other expense | | (756) | | (734) | | (672) | | (332) | | (343) |
| Net loss | \$ | (33,908) | \$ | (29,883) | \$ | (80,405) | \$ | (60,628) | \$ | (12,770) |
| Basic and diluted net loss per share: | | | | | | | | | | |
| Net loss per share | \$ | (1.37) | \$ | (0.97) | \$ | (1.79) | \$ | (1.41) | \$ | (0.23) |
| Shares used in computing net loss per share | | 24,661,733 | | 30,965,330 | | 44,877,627 | | 42,857,203 | | 54,738,464 |

(1) In March 2004, we issued 5,000,000 shares of Geron common stock to Argos Therapeutics, Inc. (formerly Merix Bioscience, Inc.) in conjunction with the acquisition of a co-exclusive right under patents controlled by

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Argos for the use of defined antigens in therapeutic cancer vaccines. We expensed the value of the common stock of \$45,150,000 as acquired in-process research technology expense at the time of the acquisition since the rights acquired were for technology which had not yet reached technological feasibility.

- (2) *In May 2003, we modified the terms of the remaining series D convertible debentures and warrants, and as a result, we recognized \$779,000 as conversion expense related to this modification.*

As of June 30, 2005

| Condensed consolidated balance sheet data: | Actual | As adjusted(1) |
|---|-----------------------|---------------------------|
| | (in thousands) | |
| Cash, cash equivalents, restricted cash and marketable securities | \$ 127,039 | \$ 195,299 |
| Current assets | 132,172 | 200,432 |
| Working capital | 126,559 | 194,819 |
| Long-term liabilities | 458 | 458 |
| Stockholders' equity | 131,868 | 200,128 |

- (1) *As adjusted to reflect the sale of the 6,000,000 shares being offered through the underwriters and the 2,000,000 shares being sold upon exercise of the Merck Warrant, and the receipt of net proceeds of \$68.3 million from the sale of the underwritten shares (after deducting underwriting discounts and commissions and our expenses) and the exercise of the Merck Warrant.*

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Risk factors

Our business is subject to various risks, including those described below. You should carefully consider the following risks, together with all of the other information included in this prospectus supplement, the accompanying prospectuses and the documents incorporated by reference before investing in our common stock. Any of these risks could materially adversely affect our business, operating results and financial condition.

RISKS RELATED TO OUR BUSINESS

Our business is at an early stage of development.

Our business is at an early stage of development, in that we do not yet have product candidates in late-stage clinical trials or on the market. One of our product candidates, a telomerase therapeutic cancer vaccine, is being studied in a Phase 1-2 clinical trial being conducted by an academic institution. We are identifying patients for enrollment in a Phase 1-2 clinical trial of our lead anti-cancer compound, GRN163L, in patients with chronic lymphocytic leukemia. We have no other product candidates in clinical testing. Our ability to develop product candidates that progress to and through clinical trials is subject to our ability to, among other things:

4 succeed in our research and development efforts;

4 select therapeutic compounds for development;

4 obtain required regulatory approvals;

4 manufacture product candidates; and

4 collaborate successfully with clinical trial sites, academic institutions, physician investigators, clinical research organizations and other third parties.

Potential lead drug compounds or other product candidates and technologies will require significant preclinical and clinical testing prior to regulatory approval in the United States and other countries. Our product candidates may prove to have undesirable and unintended side effects or other characteristics adversely affecting their safety, efficacy or cost-effectiveness that could prevent or limit their commercial use. In addition, our product candidates may not prove to be more effective for treating disease or injury than current therapies. Accordingly, we may have to delay or abandon efforts to research, develop or obtain regulatory approval to market our product candidates. In addition, we will need to determine whether any of our potential products can be manufactured in commercial quantities at an acceptable cost. Our research and development efforts may not result in a product that can be approved by regulators or marketed successfully. Because of the significant scientific, regulatory and commercial milestones that must be reached for any of our development programs to be successful, any program may be abandoned, even after we have expended significant resources on the program, such as our investments in telomerase technology and human embryonic stem cells, which could cause a sharp drop in our stock price.

The science and technology of telomere biology and telomerase, human embryonic stem cells, and nuclear transfer are relatively new. There is no precedent for the successful commercialization of product candidates based on our technologies. These development programs are therefore particularly risky. In addition, we, our licensees or our collaborators must undertake significant research and development activities to develop product candidates based on our technologies, which will require additional funding and may take years to accomplish, if ever.

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Risk factors

We have a history of losses and anticipate future losses, and continued losses could impair our ability to sustain operations.

We have incurred operating losses every year since our operations began in 1990. As of June 30, 2005, our accumulated deficit was approximately \$348.8 million. Losses have resulted principally from costs incurred in connection with our research and development activities and from general and administrative costs associated with our operations. We expect to incur additional operating losses and, as our development efforts and clinical testing activities continue, our operating losses may increase in size.

Substantially all of our revenues to date have been research support payments under collaboration agreements and revenues from our licensing arrangements. We may be unsuccessful in entering into any new corporate collaboration that results in revenues. We do not expect that the revenues generated from these arrangements will be sufficient alone to continue or expand our research or development activities and otherwise sustain our operations.

While we receive revenue from licenses of diagnostic product candidates, telomerase-immortalized cell lines and other licensing activities, we do not currently expect to receive sufficient revenues from these licenses to sustain our operations. Our ability to continue or expand our research activities and otherwise sustain our operations is dependent on our ability, alone or with others, to, among other things, manufacture and market therapeutic products.

We also expect to experience negative cash flow for the foreseeable future as we fund our operating losses and capital expenditures. This will result in decreases in our working capital, total assets and stockholders' equity, which may not be offset by future financings. We will need to generate significant revenues to achieve profitability. We may not be able to generate these revenues, and we may never achieve profitability. Our failure to achieve profitability could negatively impact the market price of our common stock. Even if we do become profitable, we cannot assure you that we would be able to sustain or increase profitability on a quarterly or annual basis.

We will need additional capital to conduct our operations and develop our products, and our ability to obtain the necessary funding is uncertain.

We will require substantial capital resources in order to conduct our operations and develop our candidates, and we cannot assure you that our existing capital resources, proceeds from this offering and the exercise of the Merck Warrant, interest income and equipment financing arrangements will be sufficient to fund our current and planned operations. The timing and degree of any future capital requirements will depend on many factors, including:

- 4 the accuracy of the assumptions underlying our estimates for our capital needs in 2005 and beyond;
- 4 the magnitude and scope of our research and development programs;
- 4 the progress we make in our research and development programs and in preclinical development and clinical trials;
- 4 our ability to establish, enforce and maintain strategic arrangements for research, development, clinical testing, manufacturing and marketing;
- 4 the number and type of product candidates that we pursue;
- 4 the time and costs involved in obtaining regulatory approvals; and
- 4 the costs involved in preparing, filing, prosecuting, maintaining, defending and enforcing patent claims.

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Risk factors

We do not have any committed sources of capital. Additional financing through strategic collaborations, public or private equity financings, capital lease transactions or other financing sources may not be available on acceptable terms, or at all. The receptivity of the public and private equity markets to proposed financings is substantially affected by the general economic, market and political climate and by other factors which are unpredictable and over which we have no control. Additional equity financings, if we obtain them, could result in significant dilution to stockholders. Further, in the event that additional funds are obtained through arrangements with collaborative partners, these arrangements may require us to relinquish rights to some of our technologies, product candidates or products that we would otherwise seek to develop and commercialize ourselves. If sufficient capital is not available, we may be required to delay, reduce the scope of or eliminate one or more of our programs, any of which could have a material adverse effect on our business.

We do not have experience as a company conducting large-scale clinical trials, or in other areas required for the successful commercialization and marketing of our product candidates.

We will need to receive regulatory approval for any product candidates before they may be marketed and distributed. Such approval will require, among other things, completing carefully controlled and well-designed clinical trials demonstrating the safety and efficacy of each product candidate. This process is lengthy, expensive and uncertain. We currently have no experience as a company in conducting large-scale, late stage clinical trials, and our experience with early-stage clinical trials with small numbers of patients is limited. Such trials would require either additional financial and management resources, or reliance on third-party clinical investigators or clinical research organizations (CROs). Relying on third-party clinical investigators or CROs may force us to encounter delays that are outside of our control. We also do not currently have marketing and distribution capabilities for our product candidates. Developing an internal sales and distribution capability would be an expensive and time-consuming process. We may enter into agreements with third parties that would be responsible for marketing and distribution. However, these third parties may not be capable of successfully selling any of our product candidates.

Because we or our collaborators must obtain regulatory approval to market our products in the United States and other countries, we cannot predict whether or when we will be permitted to commercialize our products.

Federal, state and local governments in the United States and governments in other countries have significant regulations in place that govern many of our activities and may prevent us from creating commercially viable products from our discoveries.

The regulatory process, particularly for biopharmaceutical product candidates like ours, is uncertain, can take many years and requires the expenditure of substantial resources. Any product candidate that we or our collaborators develop must receive all relevant regulatory agency approvals before it may be marketed in the United States or other countries. Biological drugs and non-biological drugs are rigorously regulated. In particular, human pharmaceutical therapeutic product candidates are subject to rigorous preclinical and clinical testing and other requirements by the Food and Drug Administration in the United States and similar health authorities in other countries in order to demonstrate safety and efficacy. Because certain of our product candidates involve the application of new technologies or are based upon a new therapeutic approach, they may be subject to substantial additional review by various government regulatory authorities, and, as a result, the process of obtaining regulatory approvals for them may proceed more slowly than for product candidates based upon more conventional technologies. We may never obtain regulatory approval to market our product candidates.

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Risk factors

Data obtained from preclinical and clinical activities is susceptible to varying interpretations that could delay, limit or prevent regulatory agency approvals. In addition, delays or rejections may be encountered as a result of changes in regulatory agency policy during the period of product development and/or the period of review of any application for regulatory agency approval for a product candidate. Delays in obtaining regulatory agency approvals could:

4 significantly harm the marketing of any products that we or our collaborators develop;

4 impose costly procedures upon our activities or the activities of our collaborators;

4 diminish any competitive advantages that we or our collaborators may attain; or

4 adversely affect our ability to receive royalties and generate revenues and profits.

Even if we commit the necessary time and resources, the required regulatory agency approvals may not be obtained for any product candidates developed by or in collaboration with us. If we obtain regulatory agency approval for a new product, this approval may entail limitations on the indicated uses for which it can be marketed that could limit the potential commercial use of the product. Furthermore, approved products and their manufacturers are subject to continual review, and discovery of previously unknown problems with a product or its manufacturer may result in restrictions on the product or manufacturer, including withdrawal of the product from the market. The sale by us or our collaborators of any commercially viable product will be subject to government regulation from several standpoints, including the processes of:

4 manufacturing;

4 advertising and promoting;

4 selling and marketing;

4 labeling; and

4 distributing.

If, and to the extent that, we are unable to comply with these regulations, our ability to earn revenues will be materially and negatively impacted.

Failure to comply with regulatory requirements can result in severe civil and criminal penalties, including but not limited to:

4 recall or seizure of products

4 injunction against manufacture, distribution, sales and marketing; and

4 criminal prosecution.

The imposition of any of these penalties could significantly impair our business, financial condition and results of operations.

Entry into clinical trials with one or more product candidates may not result in any commercially viable products.

We may never generate revenues from product sales because of a variety of risks inherent in our business, including the following risks:

4 clinical trials may not demonstrate the safety and efficacy of our product candidates;

4 completion of clinical trials may be delayed, or costs of clinical trials may exceed anticipated amounts;

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- 4 we may not be able to obtain regulatory approval of our products, or may experience delays in obtaining such approvals;
- 4 we may not be able to manufacture our product candidates economically on a commercial scale;
- 4 we and our licensees may not be able to successfully market our products;
- 4 physicians may not prescribe our product candidates, or patients may not accept such product candidates;
- 4 others may have proprietary rights which prevent us from marketing our products; and
- 4 competitors may sell similar, superior or lower-cost products.

With respect to our telomerase cancer vaccine product candidate, our clinical testing has been limited to early-stage testing for a small number of patients. The results of this testing may not be indicative of successful outcomes in later stage trials. We have commenced identifying patients for Phase 1-2 clinical testing of our telomerase inhibitor compound, GRN163L. This is the first clinical trial for this product and no results have been received. We have not commenced clinical testing for any other product candidate.

Restrictions on the use of human embryonic stem cells, political commentary and the ethical, legal and social implications of research involving human embryonic stem cells could prevent us from developing or gaining acceptance for commercially viable products based upon such stem cells and adversely affect the market price of our common stock.

Some of our most important programs involve the use of stem cells that are derived from human embryos. The use of human embryonic stem cells gives rise to ethical, legal and social issues regarding the appropriate use of these cells. Our research related to human embryonic stem cells may become the subject of adverse commentary or publicity, which could significantly harm the market price for our common stock.

Some political and religious groups have voiced opposition to our technology and practices. We use stem cells derived from human embryos that have been created for *in vitro* fertilization procedures but are no longer desired or suitable for that use and are donated with appropriate informed consent for research use. Many research institutions, including some of our scientific collaborators, have adopted policies regarding the ethical use of human embryonic tissue. These policies may have the effect of limiting the scope of research conducted using human embryonic stem cells, thereby impairing our ability to conduct research in this field.

In addition, the United States government and its agencies have until recently refused to fund research which involves the use of human embryonic tissue. President Bush announced on August 9, 2001 that he would permit federal funding of research on human embryonic stem cells using the limited number of embryonic stem cell lines that had already been created, but relatively few federal grants have been made so far. The President's Council on Bioethics will monitor stem cell research, and the guidelines and regulations it recommends may include restrictions on the scope of research using human embryonic or fetal tissue. The Council issued a report in July 2002 that recommended that the federal government undertake a thorough-going review of present and projected practices of human embryo research, with the aim of establishing appropriate institutions to advise and shape federal policy in this arena. Certain states are considering, or have in place, legislation relating to stem cell research, including California whose voters approved Proposition 71 to provide state funds for stem cell research in November 2004. It is not yet clear what, if any, effect such state actions may have on our ability to commercialize stem cell products. In the United Kingdom and other countries, the use of embryonic or fetal tissue in research (including the derivation of human embryonic stem cells) is regulated by the government, whether or not the research involves government funding.

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Government-imposed restrictions with respect to use of embryos or human embryonic stem cells in research and development could have a material adverse effect on us, including:

4 harming our ability to establish critical partnerships and collaborations;

4 delaying or preventing progress in our research and development; and

4 causing a decrease in the price of our stock.

Impairment of our intellectual property rights may adversely affect the value of our technologies and products and limit our ability to pursue their development.

Protection of our proprietary technology is critically important to our business. Our success will depend in part on our ability to obtain and enforce our patents and maintain trade secrets, both in the United States and in other countries. The patent positions of pharmaceutical and biopharmaceutical companies, including ours, are highly uncertain and involve complex legal and technical questions. In particular, legal principles for biotechnology patents in the United States and in other countries are evolving, and the extent to which we will be able to obtain patent coverage to protect our technology, or enforce issued patents, is uncertain. For example, the European Patent Convention prohibits the granting of European patents for inventions that concern uses of human embryos for industrial or commercial purposes. The European Patent Office is presently interpreting this prohibition broadly, and is applying it to reject patent claims that pertain to human embryonic stem cells. However, this broad interpretation is being challenged through the European Patent Office appeals system. As a result, we do not yet know whether or to what extent we will be able to obtain European patent protection for our human embryonic stem cell technologies in Europe. Further, our patents may be challenged, invalidated or circumvented, and our patent rights may not provide proprietary protection or competitive advantages to us. In the event that we are unsuccessful in obtaining and enforcing patents, our business would be negatively impacted.

Publication of discoveries in scientific or patent literature tends to lag behind actual discoveries by at least several months and sometimes several years. Therefore, the persons or entities that we or our licensors name as inventors in our patents and patent applications may not have been the first to invent the inventions disclosed in the patent applications or patents, or the first to file patent applications for these inventions. As a result, we may not be able to obtain patents for discoveries that we otherwise would consider patentable and that we consider to be extremely significant to our future success.

Where several parties seek patent protection for the same technology, the U.S. Patent Office may declare an interference proceeding in order to ascertain the party to which the patent should be issued. Patent interferences are typically complex, highly contested legal proceedings, subject to appeal. They are usually expensive and prolonged, and can cause significant delay in the issuance of patents. Moreover, parties that receive an adverse decision in an interference can lose important patent rights. Our pending patent applications, or our issued patents, may be drawn into interference proceedings which may delay or prevent the issuance of patents, or result in the loss of issued patent rights.

The interference process can also be used to challenge a patent that has been issued to another party. For example, in 2004, we were involved with two interferences declared by the U.S. Patent Office at our request and involving two of our pending applications relating to nuclear transfer and two issued patents, held by the University of Massachusetts (U. Mass) and licensed to Advanced Cell Technology (ACT) of Worcester, Massachusetts. We requested these interferences in order to clarify our patent rights in nuclear transfer technology. The Board of Patent Appeals and Interferences has now issued final judgments in each of these cases, finding in both instances that all of the claims in the U. Mass patents in question were unpatentable, and upholding the patentability of Geron's pending claims.

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These judgments effectively invalidated the two U. Mass patents. Both judgments have been appealed by ACT in the U.S. District Court for the D.C. Circuit. We have also filed requests for interference with other U. Mass patents in the same field. As in any legal proceeding, the outcome of these interferences and the appeals is uncertain. In March 2002, an interference was declared involving a Geron nuclear transfer patent application and a patent application held by Infigen Inc. That interference was resolved in 2004 with a final judgment in our favor; that judgment was not appealed.

Outside of the United States, certain jurisdictions, such as Europe, New Zealand and Australia, permit oppositions to be filed against the granting of patents. Because our intent is to commercialize products internationally, securing both proprietary protection and freedom to operate outside of the United States is important to our business. We are involved in both opposing the grant of patents to others through such opposition proceedings and in defending our patent applications against oppositions filed by others. For example, we have filed an opposition to a European patent granted to GemVax AS, a Norwegian company, relating to the use of telomerase peptides for the treatment and prophylaxis of cancer, and GemVax has filed an opposition to a European patent granted to us relating to telomerase, including the use of telomerase in cancer vaccines. These are among a number of overseas patent oppositions in which we are currently engaged.

If interferences, oppositions or other challenges to our patent rights are not resolved promptly in our favor, our existing business relationships may be jeopardized and we could be delayed or prevented from entering into new collaborations or from commercializing certain products, which could materially harm our business.

Patent litigation may also be necessary to enforce patents issued or licensed to us or to determine the scope and validity of our proprietary rights or the proprietary rights of others. We may not be successful in any patent litigation. Patent litigation can be extremely expensive and time-consuming, even if the outcome is favorable to us. An adverse outcome in a patent litigation or any other proceeding in a court or patent office could subject our business to significant liabilities to other parties, require disputed rights to be licensed from other parties or require us to cease using the disputed technology, any of which could severely harm our business.

If we fail to meet our obligations under license agreements, we may lose our rights to key technologies on which our business depends.

Our business depends on several critical technologies that are based in part on patents licensed from third parties. Those third-party license agreements impose obligations on us, such as payment obligations and obligations to diligently pursue development of commercial products under the licensed patents. If a licensor believes that we have failed to meet our obligations under a license agreement, the licensor could seek to limit or terminate our license rights, which could lead to costly and time-consuming litigation and, potentially, a loss of the licensed rights. During the period of any such litigation our ability to carry out the development and commercialization of potential products could be significantly and negatively affected. If our license rights were restricted or ultimately lost, our ability to continue our business based on the affected technology platform would be severely adversely affected.

We may be subject to litigation that will be costly to defend or pursue and uncertain in its outcome.

Our business may bring us into conflict with our licensees, licensors, or others with whom we have contractual or other business relationships, or with our competitors or others whose interests differ from ours. If we are unable to resolve those conflicts on terms that are satisfactory to all parties, we may become involved in litigation brought by or against us. That litigation is likely to be expensive

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and may require a significant amount of management's time and attention, at the expense of other aspects of our business. The outcome of litigation is always uncertain, and in some cases could include judgments against us that require us to pay damages, enjoin us from certain activities, or otherwise affect our legal or contractual rights, which could have a significant adverse effect on our business.

We may be subject to infringement claims that are costly to defend, and which may limit our ability to use disputed technologies and prevent us from pursuing research and development or commercialization of potential products.

Our commercial success depends significantly on our ability to operate without infringing patents and the proprietary rights of others. Our technologies may infringe the patents or proprietary rights of others. In addition, we may become aware of discoveries and technology controlled by third parties that are advantageous to our programs. In the event our technologies infringe the rights of others or we require the use of discoveries and technology controlled by third parties, we may be prevented from pursuing research, development or commercialization of potential products or may be required to obtain licenses to those patents or other proprietary rights or develop or obtain alternative technologies. We have obtained licenses from several universities and companies for technologies that we anticipate incorporating into our potential products, and are in negotiation for licenses to other technologies. We may not be able to obtain a license to patented technology on commercially favorable terms, or at all. If we do not obtain a necessary license, we may need to redesign our technologies or obtain rights to alternate technologies, the research and adoption of which could cause delays in product development. In cases where we are unable to license necessary technologies, we could be prevented from developing certain potential products. Our failure to obtain alternative technologies or a license to any technology that we may require to research, develop or commercialize our product candidates would significantly and negatively affect our business.

Much of the information and know-how that is critical to our business is not patentable and we may not be able to prevent others from obtaining this information and establishing competitive enterprises.

We sometimes rely on trade secrets to protect our proprietary technology, especially in circumstances in which we believe patent protection is not appropriate or available. We attempt to protect our proprietary technology in part by confidentiality agreements with our employees, consultants, collaborators and contractors. We cannot assure you that these agreements will not be breached, that we would have adequate remedies for any breach, or that our trade secrets will not otherwise become known or be independently discovered by competitors, any of which would harm our business significantly.

We depend on our collaborators and joint venture partners to help us develop and test our product candidates, and our ability to develop and commercialize products may be impaired or delayed if collaborations are unsuccessful.

Our strategy for the development, clinical testing and commercialization of our product candidates requires that we enter into collaborations with corporate or joint venture partners, licensors, licensees and others. We are dependent upon the subsequent success of these other parties in performing their respective responsibilities and the continued cooperation of our partners. For example, Cell Genesys is principally responsible for developing oncolytic virus therapeutics, Roche is responsible for developing cancer diagnostics using our telomerase technology and Duke is responsible for conducting the current clinical trials of the telomerase therapeutic cancer vaccine. Our collaborators may not cooperate with us or perform their obligations under our agreements with them. We cannot control the amount and timing of our collaborators' resources that will be devoted to activities related to our collaborative

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agreements with them. Our collaborators may choose to pursue existing or alternative technologies in preference to those being developed in collaboration with us.

Under agreements with collaborators and joint venture partners, we may rely significantly on such collaborators to, among other activities:

4 design and conduct advanced clinical trials in the event that we reach clinical trials;

4 fund research and development activities with us;

4 pay us fees upon the achievement of milestones; and

4 market with us any commercial products that result from our collaborations or joint ventures.

The development and commercialization of potential products will be delayed if collaborators or joint venture partners fail to conduct these activities in a timely manner or at all. For example, we recently terminated our collaboration with Dendreon Corporation because of its failure to meet diligence requirements in our agreement with it. In addition, our collaborators could terminate their agreements with us and we may not receive any development or milestone payments. If we do not achieve milestones set forth in the agreements, or if our collaborators breach or terminate their collaborative agreements with us, our business may be materially harmed.

Our reliance on the activities of our non-employee consultants, research institutions, and scientific contractors, whose activities are not wholly within our control, may lead to delays in development of our product candidates.

We rely extensively upon and have relationships with scientific consultants at academic and other institutions, some of whom conduct research at our request, and other consultants with expertise in clinical development strategy or other matters. These consultants are not our employees and may have commitments to, or consulting or advisory contracts with, other entities that may limit their availability to us. We have limited control over the activities of these consultants and, except as otherwise required by our collaboration and consulting agreements, can expect only limited amounts of their time to be dedicated to our activities.

In addition, we have formed research collaborations with many academic and other research institutions throughout the world. These research facilities may have commitments to other commercial and non-commercial entities. We have limited control over the operations of these laboratories and can expect only limited amounts of their time to be dedicated to our research goals.

We also rely on other companies for certain process development, manufacturing or other technical scientific work, especially with respect to our telomerase inhibitor and telomerase vaccine programs. We have contracts with these companies that specify the work to be done and results to be achieved, but we do not have direct control over their personnel or operations.

If any of these third parties are unable or refuse to contribute to projects on which we need their help, our ability to generate advances in our technologies and develop our product candidates could be significantly harmed.

The loss of key personnel could slow our ability to conduct research and develop product candidates.

Our future success depends to a significant extent on the skills, experience and efforts of our executive officers and key members of our scientific staff. Competition for personnel is intense and we may be unable to retain our current personnel or attract or assimilate other highly qualified management and scientific personnel in the future. The loss of any or all of these individuals could harm our business

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and might significantly delay or prevent the achievement of research, development or business objectives.

We also rely on consultants and advisors who assist us in formulating our research and development and clinical strategy. We face intense competition for qualified individuals from numerous pharmaceutical, biopharmaceutical and biotechnology companies, as well as academic and other research institutions. We may not be able to attract and retain these individuals on acceptable terms. Failure to do so would materially harm our business.

Potential restrictions or a ban on nuclear transfer could prevent us from benefiting financially from our research in this area.

Our nuclear transfer technology could theoretically be used to produce human embryos for the derivation of embryonic stem cells (sometimes referred to as therapeutic cloning) or cloned humans (sometimes referred to as reproductive cloning). The U.S. Congress has recently considered legislation that would ban human therapeutic cloning as well as reproductive cloning. Such a bill was passed by the House of Representatives, although not by the Senate. The July 2002 report of the President's Council on Bioethics recommended a four-year moratorium on therapeutic cloning. If human therapeutic cloning is restricted or banned, we will not be able to benefit from the scientific knowledge that would be generated by research in that area. Finally, if regulatory bodies were to restrict or ban the sale of food products from cloned animals, our financial participation in the business of our nuclear transfer licensees or value of our ownership in our joint venture, stART Licensing, could be significantly harmed.

Our products are likely to be expensive to manufacture, and they may not be profitable if we are unable to significantly reduce the costs to manufacture them.

Our telomerase inhibitor compound, GRN163L, and our hESC-based products are likely to be significantly more expensive to manufacture than most other drugs currently on the market today. Oligonucleotides are relatively large molecules with complex chemistry, and the cost of manufacturing even a short oligonucleotide like GRN163L is considerably greater than the cost of making most small-molecule drugs. Our present manufacturing processes are conducted at a relatively small scale and are at an early stage of development. We hope to substantially reduce manufacturing costs through process improvements, as well as through scale increases. If we are not able to do so, however, and, depending on the pricing of the product, the profit margin on the telomerase inhibitor may be significantly less than that of most drugs on the market today. Similarly, we currently make differentiated cells from hESCs on a laboratory scale, at a high cost per unit of measure. The cell-based therapies we are developing based on hESCs will probably require large quantities of cells. We continue to develop processes to scale up production of the cells in a cost-effective way. We may not be able to charge a high enough price for any cell therapy product we develop, even if it is safe and effective, to make a profit. If we are unable to realize significant profits from our potential product candidates, our business would be materially harmed.

Some of our competitors may develop technologies that are superior to or more cost-effective than ours, which may impact the commercial viability of our technologies and which may significantly damage our ability to sustain operations.

The pharmaceutical and biotechnology industries are intensely competitive. Other pharmaceutical and biotechnology companies and research organizations currently engage in or have in the past engaged in efforts related to the biological mechanisms that are the focus of our programs in oncology and human embryonic stem cell therapies, including the study of telomeres, telomerase, human embryonic stem cells, and nuclear transfer. In addition, other products and therapies that could compete directly with the

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product candidates that we are seeking to develop and market currently exist or are being developed by pharmaceutical and biopharmaceutical companies and by academic and other research organizations. Many companies are developing alternative therapies to treat cancer and, in this regard, are competitors of ours. According to public data from the FDA and NIH, there are more than 100 approved anti-cancer products on the market in the United States, and several hundred in clinical development. Many of the pharmaceutical companies developing and marketing these competing products (including GlaxoSmithKline, Bristol-Myers Squibb Company and Novartis AG, among others) have significantly greater financial resources and expertise than we do in:

- 4 research and development;
- 4 manufacturing;
- 4 preclinical and clinical testing;
- 4 obtaining regulatory approvals; and
- 4 marketing.

Smaller companies may also prove to be significant competitors, particularly through collaborative arrangements with large and established companies. Academic institutions, government agencies and other public and private research organizations may also conduct research, seek patent protection and establish collaborative arrangements for research, clinical development and marketing of products similar to ours. These companies and institutions compete with us in recruiting and retaining qualified scientific and management personnel as well as in acquiring technologies complementary to our programs.

In addition to the above factors, we expect to face competition in the following areas:

- 4 product efficacy and safety;
- 4 the timing and scope of regulatory consents;
- 4 availability of resources;
- 4 reimbursement coverage;
- 4 price; and
- 4 patent position, including potentially dominant patent positions of others.

As a result of the foregoing, our competitors may develop more effective or more affordable products, or achieve earlier patent protection or product commercialization than we do. Most significantly, competitive products may render any product candidates that we develop obsolete, which would negatively impact our business and ability to sustain operations.

We may not be able to obtain or maintain sufficient insurance on commercially reasonable terms or with adequate coverage against potential liabilities in order to protect ourselves against product liability claims.

Our business exposes us to potential product liability risks that are inherent in the testing, manufacturing and marketing of human therapeutic and diagnostic products. We may become subject to product liability claims if the use of our products is alleged to have injured subjects or patients. This risk exists for products tested in human clinical trials as well as products that are sold commercially. We currently have limited clinical trial liability insurance and we may not be able to maintain this type of insurance for any of our clinical trials. In addition, product liability insurance

is becoming increasingly expensive. As a result, we may not be able to obtain or maintain product liability insurance in the future on acceptable terms or with adequate coverage against potential liabilities which could have a material adverse effect on our business.

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To be successful, our product candidates must be accepted by the health care community, which can be very slow to adopt or unreceptive to new technologies and products.

Our product candidates and those developed by our collaborative partners, if approved for marketing, may not achieve market acceptance since hospitals, physicians, patients or the medical community in general may decide not to accept and utilize these products. The product candidates that we are attempting to develop represent substantial departures from established treatment methods and will compete with a number of more conventional drugs and therapies manufactured and marketed by major pharmaceutical companies. The degree of market acceptance of any of our developed products will depend on a number of factors, including:

- 4 our establishment and demonstration to the medical community of the clinical efficacy and safety of our product candidates;
- 4 our ability to create products that are superior to alternatives currently on the market;
- 4 our ability to establish in the medical community the potential advantage of our treatments over alternative treatment methods; and
- 4 reimbursement policies of government and third-party payors.

If the health care community does not accept our products for any of the foregoing reasons, or for any other reason, our business would be materially harmed.

If we fail to obtain acceptable prices or adequate reimbursement for our product candidates, the use of our potential products could be severely limited.

Our ability to successfully commercialize our product candidates will depend significantly on our ability to obtain acceptable prices and the availability of reimbursement to the patient from third-party payors. Significant uncertainty exists as to the reimbursement status of newly-approved health care products, including pharmaceuticals. If our products are not considered cost-effective or if we fail to generate adequate third-party reimbursement for the users of our potential products and treatments, then we may be unable to maintain price levels sufficient to realize an appropriate return on our investment in product development.

In both U.S. and other markets, sales of our potential products, if any, will depend in part on the availability of reimbursement from third-party payors, examples of which include:

- 4 government health administration authorities;
- 4 private health insurers;
- 4 health maintenance organizations; and
- 4 pharmacy benefit management companies.

Both federal and state governments in the United States and governments in other countries continue to propose and pass legislation designed to contain or reduce the cost of health care. Legislation and regulations affecting the pricing of pharmaceuticals and other medical products may be adopted before any of our potential products are approved for marketing. Cost control initiatives could decrease the price that we receive for any product candidate we may develop in the future. In addition, third-party payors are increasingly challenging the price and cost-effectiveness of medical products and services and any of our potential products may ultimately not be considered cost-effective by these third parties. Any of these initiatives or developments could materially harm our business.

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Our activities involve hazardous materials, and improper handling of these materials by our employees or agents could expose us to significant legal and financial penalties.

Our research and development activities involve the controlled use of hazardous materials, chemicals and various radioactive compounds. As a consequence, we are subject to numerous environmental and safety laws and regulations, including those governing laboratory procedures, exposure to blood-borne pathogens and the handling of biohazardous materials. We may be required to incur significant costs to comply with current or future environmental laws and regulations and may be adversely affected by the cost of compliance with these laws and regulations.

Although we believe that our safety procedures for using, handling, storing and disposing of hazardous materials comply with the standards prescribed by state and federal regulations, the risk of accidental contamination or injury from these materials cannot be eliminated. In the event of such an accident, state or federal authorities could curtail our use of these materials and we could be liable for any civil damages that result, the cost of which could be substantial. Further, any failure by us to control the use, disposal, removal or storage, or to adequately restrict the discharge, or assist in the cleanup, of hazardous chemicals or hazardous, infectious or toxic substances could subject us to significant liabilities, including joint and several liability under certain statutes. Any such liability could exceed our resources and could have a material adverse effect on our business, financial condition and results of operations. Additionally, an accident could damage our research and manufacturing facilities and operations.

Additional federal, state and local laws and regulations affecting us may be adopted in the future. We may incur substantial costs to comply with these laws and regulations and substantial fines or penalties if we violate any of these laws or regulations.

RISKS RELATED TO THE OFFERING

Our stock price has historically been very volatile.

Stock prices and trading volumes for many biopharmaceutical companies fluctuate widely for a number of reasons, including factors which may be unrelated to their businesses or results of operations such as media coverage, legislative and regulatory measures and the activities of various interest groups or organizations. This market volatility, as well as general domestic or international economic, market and political conditions, could materially and adversely affect the market price of our common stock and the return on your investment.

Historically, our stock price has been extremely volatile. Between January 1998 and August 2005, our stock has traded as high as \$75.88 per share and as low as \$1.41 per share. Between January 1, 2003 and August 31, 2005, the price has ranged between a high of \$16.80 per share and a low of \$1.41 per share. The significant market price fluctuations of our common stock are due to a variety of factors, including:

- 4 the demand in the market for the common stock;
- 4 the experimental nature of our product candidates;
- 4 fluctuations in our operating results;
- 4 market conditions relating to the biopharmaceutical and pharmaceutical industries;
- 4 announcements of technological innovations, new commercial products, or clinical progress or lack thereof by us, our collaborative partners or our competitors;
- 4 announcements concerning regulatory developments, developments with respect to proprietary rights and our collaborations;

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Risk factors

4 comments by securities analysts;

4 general market conditions;

4 political developments related to human embryonic stem cell research;

4 public concern with respect to our product candidates; or

4 the issuance of common stock to partners, vendors or to investors to raise additional capital.

In addition, the stock market is subject to other factors outside our control that can cause extreme price and volume fluctuations. Securities class action litigation has often been brought against companies, including many biotechnology companies, which experience volatility in the market price of their securities. Litigation brought against us could result in substantial costs and a diversion of management's attention and resources, which could adversely affect our business.

The sale of a substantial number of shares may adversely affect the market price for our common stock.

Sale of a substantial number of shares of our common stock in the public market, or the perception that such sales could occur, could significantly and negatively affect the market price for our common stock. As of August 31, 2005, we had 100,000,000 shares of common stock authorized for issuance and 55,913,730 shares of common stock outstanding. After taking into account the 6,000,000 shares to be offered by the underwriters and the 2,000,000 shares to be sold to Merck, we will have 63,913,730 shares of common stock outstanding. In addition, as of August 31, 2005, we have reserved for future issuance approximately 18,913,655 shares of common stock for our stock plans and outstanding warrants.

In addition, we have issued common stock to certain parties, such as vendors and service providers, as payment for products and services. Under these arrangements, we typically agree to register the shares for resale soon after their issuance. For instance, we recently issued 151,550 shares to one of our vendors, Transgenomic, Inc., in consideration for certain raw materials supplied to us by Transgenomic. We filed a resale registration statement on August 24, 2005 with respect to such shares. We have also issued a warrant to purchase 25,000 shares to Lazard Frères & Co. LLC, an underwriter in this offering, in connection with previously rendered financial advisory services. Lazard has certain registration rights with respect to the shares underlying this warrant. We may continue to pay for certain goods and services in this manner, which would dilute your interest in Geron. Also, sales of the shares issued in this manner could negatively affect the market price of our stock.

Our undesignated preferred stock may inhibit potential acquisition bids; this may adversely affect the market price for our common stock and the voting rights of the holders of our common stock.

Our certificate of incorporation provides our Board of Directors with the authority to issue up to 3,000,000 shares of undesignated preferred stock and to determine the rights, preferences, privileges and restrictions of these shares without further vote or action by the stockholders. As of the date of this prospectus supplement, 50,000 shares of preferred stock have been designated Series A Junior Participating Preferred Stock and the Board of Directors still has authority to designate and issue up to 2,950,000 shares of preferred stock. The issuance of shares of preferred stock may delay or prevent a change in control transaction without further action by our stockholders. As a result, the market price of our common stock may be adversely affected.

In addition, if we issue preferred stock in the future that has preference over our common stock with respect to the payment of dividends or upon our liquidation, dissolution or winding up, or if we issue

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Risk factors

preferred stock with voting rights that dilute the voting power of our common stock, the rights of holders of our common stock or the market price of our common stock could be adversely affected.

Provisions in our share purchase rights plan, charter and bylaws, and provisions of Delaware law, may inhibit potential acquisition bids for us, which may prevent holders of our common stock from benefiting from what they believe may be the positive aspects of acquisitions and takeovers.

Our Board of Directors has adopted a share purchase rights plan, commonly referred to as a poison pill. This plan entitles existing stockholders to rights, including the right to purchase shares of common stock, in the event of an acquisition of 15% or more of our outstanding common stock. Our share purchase rights plan could prevent stockholders from profiting from an increase in the market value of their shares as a result of a change of control of Geron by delaying or preventing a change of control. In addition, our Board of Directors has the authority, without further action by our stockholders, to issue additional shares of common stock, and to fix the rights and preferences of one or more series of preferred stock.

In addition to our share purchase rights plan and the undesignated preferred stock, provisions of our charter documents and bylaws may make it substantially more difficult for a third party to acquire control of us and may prevent changes in our management, including provisions that:

4 prevent stockholders from taking actions by written consent;

4 divide the Board of Directors into separate classes with terms of office that are structured to prevent all of the directors from being elected in any one year; and

4 set forth procedures for nominating directors and submitting proposals for consideration at stockholders meetings. Provisions of Delaware law may also inhibit potential acquisition bids for us or prevent us from engaging in business combinations. Either collectively or individually, these provisions may prevent holders of our common stock from benefiting from what they may believe are the positive aspects of acquisitions and takeovers, including the potential realization of a higher rate of return on their investment from these types of transactions.

In addition, we have severance agreements with several employees and a change of control severance plan which could require an acquiror to pay a higher price.

Management may invest or spend the proceeds of this offering in ways with which you may not agree and in ways that may not yield a return to our stockholders.

Management will retain broad discretion over the use of proceeds from this offering. Stockholders may not deem such uses desirable, and our use of the proceeds may not yield a significant return or any return at all for our stockholders. Management intends to use the proceeds from this offering primarily to fund clinical trials of our lead product candidates and for other research and development and other general corporate purposes. Because of the number and variability of factors that determine our use of the proceeds from this offering, our actual uses of the proceeds of this offering may vary substantially from our currently planned uses. We intend to invest the net proceeds from this offering in short term, interest-bearing investment grade securities until we are ready to use them.

New purchasers of our common stock will experience immediate and substantial dilution.

The offering price of our common stock will be substantially higher than the net tangible book value per share of our existing capital stock. As a result, investors in this underwritten offering and Merck

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Risk factors

will incur immediate and substantial dilution. Those purchasers will experience additional dilution upon the exercise of outstanding stock options and warrants. See [Dilution](#) for a more detailed discussion.

We do not intend to pay cash dividends on our common stock in the foreseeable future.

We do not anticipate paying cash dividends on our common stock in the foreseeable future. Any payment of cash dividends will depend upon our financial condition, results of operations, capital requirements and other factors and will be at the discretion of the Board of Directors. Furthermore, we may incur additional indebtedness that may severely restrict or prohibit the payment of dividends.

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Forward-looking statements

This prospectus supplement, the accompanying prospectuses and the documents incorporated by reference in the accompanying prospectuses include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. We have based these forward-looking statements on our current expectations and projections about future events. Our actual results could differ materially from those discussed in, or implied by, these forward-looking statements. These forward-looking statements are generally identified by words such as believe, anticipate, estimate, expect, intend, plan, will, other similar expressions. In addition, any statements that refer to expectations, projections or other characterizations of future events or circumstances are forward-looking statements. Forward-looking statements include, but are not necessarily limited to, those relating to:

- 4 future product research and development activities, including clinical trials, and status of product development;
- 4 size and timing of expenditures and whether there are unanticipated expenditures;
- 4 plans for regulatory filings;
- 4 receipt of future regulatory approvals;
- 4 implementation of our corporate strategy; and
- 4 future financial performance.

Factors that could cause actual results or conditions to differ from those anticipated by these and other forward-looking statements include those more fully described in the Risk Factors section of this prospectus supplement and accompanying prospectuses and elsewhere in this prospectus supplement and in the accompanying prospectuses. We undertake no obligation to update or revise these forward-looking statements to reflect events or circumstances after the date of this prospectus supplement except as required by law.

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Use of proceeds

We estimate that the net proceeds we will receive from the sale of shares of our common stock in this offering, including the proceeds from the exercise of the Merck Warrant, will be approximately \$68.3 million (\$75.9 million if the underwriters' over-allotment option is exercised in full), after deducting the underwriting discount and commissions (with respect to those shares being sold through the underwriters) and estimated offering expenses. We will retain broad discretion over the use of the net proceeds from the sale of our common stock offered hereby. We currently intend using the net proceeds from the sale of our common stock in this offering primarily for:

4 research and development, including clinical trials for our product candidates; and

4 working capital and other general corporate purposes.

The amounts and timing of the expenditures may vary significantly depending on numerous factors, such as the progress of our research and development efforts, technological advances and the competitive environment for our products. We may also use a portion of the net proceeds to acquire or invest in complementary businesses, products and technologies. Although we currently have no material agreements or commitments with respect to acquisitions, we evaluate acquisition opportunities and engage in related discussions from time to time.

We intend to invest the net proceeds in short-term, interest-bearing, investment-grade securities until we are ready to use them.

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Table of Contents**Capitalization**

The following table sets forth our unaudited cash, cash equivalents, restricted cash, and marketable securities and capitalization as of June 30, 2005

4 on an actual basis; and

4 on an as adjusted basis to reflect the sale of the 6,000,000 shares being offered through the underwriters and the 2,000,000 shares being sold upon exercise of the Merck Warrant, and the receipt of the estimated net proceeds from the sale of the underwritten shares (after deducting underwriting discounts and commissions and our expenses) and the exercise of the Merck Warrant.

This table should be read in conjunction with Management's discussion and analysis of financial condition and results of operations and our consolidated financial statements and the related notes incorporated by reference from our Annual Report on Form 10-K for the year ended December 31, 2004 and the quarterly reports on Form 10-Q for the quarters ended March 31, 2005 and June 30, 2005 in this prospectus supplement and the accompanying prospectuses.

| | As of June 30, 2005 | |
|---|--|--------------------|
| | Actual | As adjusted |
| | (In thousands, except per share data) | |
| Cash, cash equivalents, restricted cash and marketable securities | \$ 127,039 | \$ 195,299 |
| Total liabilities | \$ 6,071 | \$ 6,071 |
| Stockholders' equity: | | |
| Common stock, par value \$0.001 per share; 100,000,000 shares authorized; 55,456,980 shares issued and outstanding, actual; and 63,456,980 shares issued and outstanding, as adjusted | 55 | 63 |
| Additional paid-in-capital | 481,565 | 549,817 |
| Deferred compensation | (180) | (180) |
| Accumulated deficit | (348,841) | (348,841) |
| Accumulated other comprehensive loss | (731) | (731) |
| Total stockholders' equity | 131,868 | 200,128 |
| Total capitalization | \$ 137,939 | \$ 206,199 |

The number of shares of our common stock in the actual and as adjusted columns in the table above assumes no exercise of the underwriters' over-allotment option and excludes the following options and warrants outstanding as of June 30, 2005:

4 8,030,595 shares of our common stock issuable upon exercise of outstanding options granted under our stock option plans at a weighted average exercise price of \$7.82 per share; and

4 5,335,436 shares of our common stock issuable upon exercise of outstanding warrants at a weighted average price of \$11.02 per share.

Table of Contents**Dilution**

Our net tangible book value as of June 30, 2005 was \$131.1 million, or approximately \$2.36 per share. Net tangible book value is total assets minus the sum of liabilities and intangible assets. Net tangible book value per share is net tangible book value divided by the total number of shares of common stock outstanding.

Net tangible book value dilution per share to investors in this underwritten offering and Merck represents the difference between the amount per share paid by these investors and Merck and the net tangible book value per share of our common stock immediately after completion of this offering. After giving effect to the sale of the 6,000,000 shares of our common stock being offered through the underwriters in this offering and the sale of 2,000,000 shares issuable upon exercise of the Merck Warrant, after deducting the underwriting discounts and commissions (with respect to those shares being sold through the underwriters) and our estimated offering expenses, our net tangible book value as of June 30, 2005 would have been \$3.14 per share. This amount represents an immediate increase in net tangible book value of \$0.78 per share to existing stockholders and an immediate dilution in net tangible book value of \$5.86 per share to investors in this underwritten offering and Merck, as illustrated in the following table:

| | | |
|--|---------|---------|
| Public offering price per share | | \$ 9.00 |
| Net tangible book value per share as of June 30, 2005 | \$ 2.36 | |
| Increase in net tangible book value per share attributable to this underwritten offering and the exercise of the Merck Warrant | 0.78 | |
| Pro forma net tangible book value per share as of June 30, 2005 after giving effect to this underwritten offering and the sale of the shares issuable upon exercise of the Merck Warrant | | 3.14 |
| Dilution per share to investors in this underwritten offering and Merck | | \$ 5.86 |

The number of shares of our common stock in the computations above assumes no exercise of the underwriters over-allotment option and excludes the following options and warrants outstanding as of June 30, 2005:

- 4 8,030,595 shares of our common stock issuable upon exercise of outstanding options granted under our stock option plans at a weighted average exercise price of \$7.82 per share; and
- 4 5,335,436 shares of our common stock issuable upon exercise of outstanding warrants at a weighted average price of \$11.02 per share.

Table of Contents**Price range of common stock**

Our common stock trades on The Nasdaq Stock Market® under the symbol GERN. The table sets forth, for the periods indicated, the high and low sales prices (excluding retail markup, markdowns and commissions) of our common stock as reported on the Nasdaq Stock Market:

| | High | Low |
|--|-------------|------------|
| Year ended December 31, 2003 | | |
| First quarter | \$ 5.67 | \$ 1.41 |
| Second quarter | 9.75 | 3.84 |
| Third quarter | 16.07 | 6.50 |
| Fourth quarter | 16.80 | 9.27 |
| Year ended December 31, 2004 | | |
| First quarter | \$ 12.44 | \$ 7.82 |
| Second quarter | 11.15 | 6.92 |
| Third quarter | 8.46 | 5.15 |
| Fourth quarter | 8.66 | 5.93 |
| Year ending December 31, 2005 | | |
| First quarter | \$ 9.85 | \$ 6.05 |
| Second quarter | 8.10 | 5.61 |
| Third quarter (through September 15, 2005) | 12.18 | 7.66 |

As of June 30, 2005, there were 919 holders of record of our common stock. As of September 15, 2005, the last sale price reported on the Nasdaq Stock Market for our common stock was \$9.99 per share.

Dividend policy

We have never paid cash dividends on our capital stock and do not anticipate paying cash dividends in the foreseeable future, but intend to retain our capital resources for reinvestment in our business. Any future determination to pay cash dividends will be at the discretion of the Board of Directors and will be dependent upon our financial condition, results of operations, capital requirements and other such factors as the Board of Directors deems relevant.

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Table of Contents**Plan of distribution**

The offering contemplated by this prospectus supplement is divided into two components: an underwritten component in the amount of 6,000,000 shares and an issuance and direct sale by us to Merck of 2,000,000 shares upon automatic exercise of an outstanding warrant held by Merck.

UNDERWRITING

We are offering the shares of our common stock described in this prospectus supplement through the underwriters named below. UBS Securities LLC, SG Cowen & Co., LLC, Needham & Company, LLC, Lazard Capital Markets LLC, Rodman & Renshaw, LLC and WBB Securities, LLC are the representatives of the underwriters. UBS Securities LLC is the sole book running manager of this offering.

We have entered into an underwriting agreement with the representatives. Subject to the terms and conditions of the underwriting agreement, each of the underwriters has severally agreed to purchase the number of shares of common stock listed next to its name in the following table:

| Underwriters | Number of shares |
|----------------------------|-------------------------|
| UBS Securities LLC | 3,000,000 |
| SG Cowen & Co., LLC | 900,000 |
| Needham & Company, LLC | 840,000 |
| Lazard Capital Markets LLC | 780,000 |
| Rodman & Renshaw, LLC | 240,000 |
| WBB Securities, LLC | 240,000 |
| Total | 6,000,000 |

The underwriting agreement provides that the underwriters must buy all of the shares if they buy any of them. However, the underwriters are not required to take or pay for the shares covered by the underwriters' over-allotment option described below.

Our common stock is offered subject to a number of conditions, including:

4 receipt and acceptance of our common stock by the underwriters, and

4 the underwriters' right to reject orders in whole or in part.

In connection with this offering, certain of the underwriters or securities dealers may distribute prospectuses electronically.

Over-allotment option

We have granted the underwriters an option to buy up to 900,000 additional shares of our common stock. The underwriters may exercise this option solely for the purpose of covering over-allotments, if any, made in connection with this offering. The underwriters have 30 days from the date of this prospectus supplement to exercise this option. If the underwriters exercise this option, they will each purchase additional shares approximately in proportion to the amounts specified in the table above.

Commissions and discounts

Shares sold by the underwriters to the public will initially be offered at the offering price set forth on the cover of this prospectus supplement. Any shares sold by the underwriters to securities dealers may be sold at a discount of up to \$0.324 per share from the initial public offering price. Any of these

Table of Contents**Plan of distribution**

securities dealers may resell any shares purchased from the underwriters to other brokers or dealers at a discount of up to \$0.10 per share from the initial public offering price. If all the shares are not sold at the initial public offering price, the representative may change the offering price and the other selling terms. Sale of shares made outside of the United States may be made by affiliates of the underwriters. Upon execution of the underwriting agreement, the underwriters will be obligated to purchase the shares at the prices and upon the terms stated therein, and, as a result, will thereafter bear any risk associated with changing the offering price to the public or other selling terms.

The following table shows the per share and total underwriting discounts and commissions we will pay to the underwriters assuming both no exercise and full exercise of the underwriters' option to purchase up to an additional 900,000 shares.

| | No exercise | Full exercise |
|-----------|--------------------|----------------------|
| Per share | \$ 0.54 | \$ 0.54 |
| Total | \$ 3,240,000 | \$ 3,726,000 |

We estimate that the total expenses of this offering payable by us, not including the underwriting discounts and commissions, will be approximately \$500,000.

No sales of similar securities

We and our executive officers and directors have entered into lock-up agreements with the underwriters. Under these agreements, we and each of these persons may not, without the prior written approval of UBS Securities LLC, subject to certain permitted exceptions, sell, offer to sell, contract to sell or otherwise dispose of or sell our common stock, or securities convertible into or exercisable or exchangeable for our common stock. These restrictions will apply for a period of 90 days after the date of this prospectus supplement.

Indemnification

We have agreed to indemnify the underwriters against certain liabilities, including liabilities under the Securities Act of 1933, as amended. If we are unable to provide this indemnification, we will contribute to payments the underwriters may be required to make with respect to those liabilities.

Nasdaq National Market quotation

Our common stock is quoted on the Nasdaq National Market under the symbol GERN.

Price stabilization, short positions, passive market making

In connection with this offering, the underwriters may engage in activities that stabilize, maintain or otherwise affect the price of our common stock, including:

4 stabilizing transactions;

4 short sales;

4 purchases to cover positions created by short sales;

4 imposition of penalty bids;

4 syndicate covering transactions; and

4 passive market making.

Stabilizing transactions consist of bids or purchases made for the purpose of preventing or retarding a decline in the market price of our common stock while this offering is in progress. These transactions

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Plan of distribution

may also include making short sales of our common stock, which involves the sale by the underwriters of a greater number of shares than they are required to purchase in this offering and purchasing shares of common stock on the open market to cover positions created by short sales. Short sales may be covered shorts, which are short positions in an amount not greater than the underwriters' over-allotment option referred to above, or may be naked shorts, which are short positions in excess of that amount.

The underwriters may close out any covered short position by either exercising their over-allotment option, in whole or in part, or by purchasing shares in the open market. In making this determination, the underwriters will consider, among other things, the price of shares available for purchase in the open market as compared to the price at which they may purchase shares through the over-allotment option.

Naked short sales are sales in excess of the over-allotment option. The underwriters must close out any naked short position by purchasing shares in the open market. A naked short position is more likely to be created if the underwriters are concerned there may be downward pressure on the price of shares in the open market after pricing that could adversely affect investors who purchase in this offering.

The underwriters also may impose a penalty bid. This occurs when a particular underwriter repays to the underwriters a portion of the underwriting discount received by it because the representative has repurchased shares sold by or for the account of that underwriter in stabilizing or short covering transactions.

As a result of these activities, the price of our common stock may be higher than the price that otherwise might exist in the open market. If these activities are commenced, they may be discontinued by the underwriters at any time. The underwriters may carry out these transactions on the Nasdaq National Market, in the over-the-counter market or otherwise.

In addition, in connection with this offering, certain of the underwriters (and selling group members) may engage in passive market making transactions in the common stock on the Nasdaq National Market prior to the pricing and completion of the offering. Passive market making consists of displaying bids on the Nasdaq National Market no higher than the bid prices of independent market makers and making purchases at prices no higher than these independent bids and effected in response to order flow. Net purchases by a passive market maker on each day are limited to a specified percentage of the passive market maker's average daily trading volume in the common stock during a specified period and must be discontinued when such limit is reached. Passive market making may cause the price of the common stock to be higher than the price that otherwise would exist in the open market in the absence of such transactions. If passive market making is commenced, it may be discontinued at any time.

Affiliations

Certain underwriters and their affiliates have provided or may provide certain commercial banking, financial advisory and investment banking services for us for which they receive customary fees.

Certain underwriters and their affiliates may from time to time in the future engage in transactions with us and perform services for us in the ordinary course of their business.

ISSUANCE UPON EXERCISE OF MERCK WARRANT

We will issue and sell 2,000,000 shares of our common stock directly to Merck in connection with the exercise of the Merck Warrant issued on July 15, 2005. Pursuant to the terms of the Merck Warrant, Merck will purchase a number of shares of our common stock with an aggregate purchase price equal to eighteen million dollars (\$18,000,000), or the Warrant Exercise Price, concurrent with this

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Plan of distribution

underwritten offering. The terms of this underwritten offering meet the conditions to the exercise by Merck of the Merck Warrant, and Merck shall exercise the Merck Warrant, in whole, on the date of the closing of this underwritten offering. Pursuant to the terms of the Merck Warrant, the per share exercise price of the Merck Warrant is equal to the price of our common stock sold to the public in this underwritten offering.

We have not engaged an underwriter or placement agent in connection with the issuance of the Merck Warrant, or the exercise by Merck of the Merck Warrant. Our employees did not and will not receive any compensation for their participation in the issuance and exercise of the Merck Warrant and, consequently, we do not believe they should be deemed to be brokers as defined in the Securities Exchange Act of 1934, as amended.

In connection with the issuance of our common stock to Merck, we will deliver certificates representing the shares purchased against payment of the Warrant Exercise Price.

Merck has agreed with us not to sell or otherwise transfer, loan, make any short sale of, grant any option for the purchase of, or enter into any hedging or similar transaction with the same economic effect as a sale, of the shares of our common stock purchased upon exercise of the Merck Warrant without our prior written consent, for a period of thirty (30) days from the earlier of (a) the exercise of the over-allotment option by the underwriters, or (b) the expiration of the over-allotment option; provided, however, that this period shall not exceed sixty (60) days from the closing of this offering. We have agreed not to waive this obligation without the prior written consent of UBS.

Notice to investors

EUROPEAN ECONOMIC AREA

With respect to each Member State of the European Economic Area which has implemented Prospectus Directive 2003/71/ EC, including any applicable implementing measures, from and including the date on which the Prospectus Directive is implemented in that Member State, the offering of our common stock in this offering is only being made:

- (a) to legal entities which are authorized or regulated to operate in the financial markets or, if not so authorized or regulated, whose corporate purpose is solely to invest in securities;
- (b) to any legal entity which has two or more of (1) an average of at least 250 employees during the last financial year; (2) a total balance sheet of more than 43,000,000 and (3) an annual net turnover of more than 50,000,000, as shown in its last annual or consolidated accounts; or
- (c) in any other circumstances which do not require the publication by the Issuer of a prospectus pursuant to Article 3 of the Prospectus Directive.

UNITED KINGDOM

Shares of our common stock may not be offered or sold and will not be offered or sold to any persons in the United Kingdom other than to persons whose ordinary activities involve them in acquiring, holding, managing or disposing of investments (as principal or as agent) for the purposes of their businesses and in compliance with all applicable provisions of the FSMA with respect to anything done in relation to shares of our common stock in, from or otherwise involving the United Kingdom. In addition, each Underwriter has only communicated or caused to be communicated and will only communicate or cause to be communicated any invitation or inducement to engage in investment activity (within the meaning of Section 21 of the FSMA) received by it in connection with the issue or sale of shares of our common stock in circumstances in which Section 21(1) of the FSMA does not

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apply to the Company. Without limitation to the other restrictions referred to herein, this offering circular is directed only at (1) persons outside the United Kingdom, (2) persons having professional experience in matters relating to investments who fall within the definition of investment professionals in Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005; or (3) high net worth bodies corporate, unincorporated associations and partnerships and trustees of high value trusts as described in Article 49(2) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005. Without limitation to the other restrictions referred to herein, any investment or investment activity to which this offering circular relates is available only to, and will be engaged in only with, such persons, and persons within the United Kingdom who receive this communication (other than persons who fall within (2) or (3) above) should not rely or act upon this communication.

SWITZERLAND

Shares of our common stock may be offered in Switzerland only on the basis of a non-public offering. This prospectus does not constitute an issuance prospectus according to articles 652a or 1156 of the Swiss Federal Code of Obligations or a listing prospectus according to article 32 of the Listing Rules of the Swiss exchange. The shares of our common stock may not be offered or distributed on a professional basis in or from Switzerland and neither this prospectus nor any other offering material relating to shares of our common stock may be publicly issued in connection with any such offer or distribution. The shares have not been and will not be approved by any Swiss regulatory authority. In particular, the shares are not and will not be registered with or supervised by the Swiss Federal Banking Commission, and investors may not claim protection under the Swiss Investment Fund Act.

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Legal matters

The validity of the common stock offered hereby will be passed upon for us by Latham & Watkins LLP, Menlo Park, California. Dewey Ballantine LLP, New York, New York, is counsel for the underwriters in connection with this offering.

Experts

The consolidated financial statements of Geron Corporation appearing in Geron Corporation's Annual Report on Form 10-K for the year ended December 31, 2004, and Geron Corporation management's assessment of the effectiveness of internal control over financial reporting as of December 31, 2004 included therein, have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their reports thereon, included therein, and incorporated herein by reference. Such consolidated financial statements and management's assessment are incorporated herein by reference in reliance upon such reports given on the authority of such firm as experts in accounting and auditing.

Where you can find more information

We are subject to the informational requirements of the Securities Exchange Act of 1934, as amended, and in accordance therewith file reports, proxy statements and other information with the Securities and Exchange Commission. Our filings are available to the public over the Internet at the Securities and Exchange Commission's website at <http://www.sec.gov>. You may also read and copy, at prescribed rates, any document we file with the Securities and Exchange Commission at the Public Reference Room of the Securities and Exchange Commission located at 100 F Street, N.E., Room 1580, Washington, D.C. 20549. Please call the Securities and Exchange Commission at (800) SEC-0330 for further information on the Securities and Exchange Commission's Public Reference Room.

This prospectus supplement is part of certain registration statements on Form S-3 filed by us with the Securities and Exchange Commission under the Securities Act of 1933, as amended. As permitted by the Securities and Exchange Commission, this prospectus supplement does not contain all the information in the registration statements filed with the Securities and Exchange Commission. For a more complete understanding of this offering, you should refer to the complete registration statements on Form S-3 that may be obtained from the locations described above. Statements contained in this prospectus supplement about the contents of any contract or other document are not necessarily complete. If we have filed any contract or other document as an exhibit to the registration statements or any other document incorporated by reference in the registration statements, you should read the exhibit for a more complete understanding of the document or matter involved. Each statement regarding a contract or other document is qualified in its entirety by reference to the actual document.

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Incorporation of certain information by reference

The SEC allows us to incorporate by reference the information we file with them which means that we can disclose important information to you by referring you to those documents instead of having to repeat the information in this prospectus supplement. We incorporate by reference the following documents filed by us with the SEC under the Securities Exchange Act of 1934, as amended:

- 4 Our annual report on Form 10-K for the fiscal year ended December 31, 2004;
- 4 Our definitive proxy statement filed on March 24, 2005, pursuant to Section 14 of the Securities Exchange Act of 1934, as amended, in connection with our 2005 Annual Meeting of Stockholders held on May 6, 2005;
- 4 Our current reports on Form 8-K filed on January 13, 2005, January 14, 2005, March 7, 2005 April 8, 2005, April 25, 2005, May 23, 2005, July 18, 2005 and July 19, 2005; and

4 Our quarterly reports on Form 10-Q for the quarters ended March 31, 2005 and June 30, 2005. All documents we file under Section 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, after the date of this prospectus supplement and before all of the common stock offered by this prospectus supplement have been sold are deemed to be incorporated by reference in this prospectus supplement and to be a part of it from the respective dates of filing those documents. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this prospectus supplement to the extent that a statement contained herein modifies or supersedes that statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this prospectus supplement.

We will furnish without charge to you, on written or oral request, a copy of any or all of the documents incorporated by reference, including exhibits to these documents. You should direct any requests for documents to David L. Greenwood, Chief Financial Officer, Geron Corporation, 230 Constitution Drive, Menlo Park, California 94025, telephone: (650) 473-7700.

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PROSPECTUS

\$150,000,000

**Debt Securities, Common Stock,
Preferred Stock and Warrants**

We may from time to time offer in one or more series or classes:

4 debt securities,

4 shares of our common stock,

4 shares of our preferred stock, and

4 warrants to purchase debt securities, common stock or preferred stock.

The securities will have a maximum aggregate public offering price of \$150,000,000 (or its equivalent in another currency based on the exchange rate at the time of sale). The securities may be offered, separately or together, in separate series, in amounts, at prices and on terms to be set forth in one or more supplements to this prospectus.

The securities may be offered directly, through agents or through underwriters or dealers. If any agents or underwriters are involved in the sale of any of the securities, their names, and any applicable purchase price, fee, commission or discount arrangement between or among them, will be set forth in the accompanying prospectus supplement. No securities may be sold under this prospectus without delivery of the applicable prospectus supplement.

Our common stock is traded on the Nasdaq National Market under the symbol GERN. On January 28, 2002, the closing price of our common stock was \$9.33.

Investing in our common stock involves a high degree of risk. See Risk factors beginning on page 3 for a discussion of material risks that you should consider before you invest in our securities being sold with this prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the accuracy or adequacy of the prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is February 14, 2002.

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About this prospectus

This prospectus is a part of a registration statement that we filed with the Securities and Exchange Commission utilizing a shelf registration process. Under this shelf registration process, we may sell any combination of the securities described in this prospectus in one or more offerings up to a total dollar amount of \$150,000,000. This prospectus provides you with a general description of the securities we may offer. Each time we sell securities as described in this prospectus, we will provide a prospectus supplement that will contain specific information about the terms of that offering. The prospectus supplement may also add, update or change information contained in this prospectus. You should read both this prospectus and any prospectus supplement together with additional information described under the next heading Where you can find more information.

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About Geron

We are a biopharmaceutical company focused on developing and commercializing therapeutic and diagnostic products for applications in oncology and regenerative medicine, and research tools for drug discovery. Our product development programs are based upon three patented core technologies: telomerase, human embryonic stem cells and nuclear transfer. Please see the applicable prospectus supplement and our recent public filings for recent developments.

We were incorporated in 1990 under the laws of Delaware. Our principal executive offices are located at 230 Constitution Drive, Menlo Park, California 94025 and our telephone number is (650) 473-7700. References in this prospectus to we, us, our, and Geron refer to Geron Corporation and its subsidiaries.

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Risk factors

Before you decide whether to purchase any of our securities, in addition to the other information in this prospectus, you should carefully consider the following risk factors as well as the risk factors set forth under the heading "Risk factors" in the section entitled "Item 1 Business" in our most recent Annual Report on Form 10-K, which is incorporated by reference into this prospectus, as the same may be updated from time to time by our future filings under the Securities Exchange Act. For more information, see the section entitled "Where you can find more information."

Our business is at an early stage of development.

The study of the mechanisms of cellular aging and cellular immortality, including telomere biology and telomerase, the study of human embryonic stem cells, and the process of nuclear transfer are relatively new areas of research. Our business is at an early stage of development. Our ability to produce products that progress to and through clinical trials is subject to our ability to, among other things:

- 4 continue to have success with our research and development efforts;
- 4 select therapeutic compounds for development;
- 4 obtain the required regulatory approvals; and
- 4 manufacture and market resulting products.

When potential lead drug compounds or product candidates are identified through our research programs, they will require significant preclinical and clinical testing prior to regulatory approval in the United States and elsewhere. In addition, we will also need to determine whether any of these potential products can be manufactured in commercial quantities at an acceptable cost. Our efforts may not result in a product that can be marketed. Because of the significant scientific, regulatory and commercial milestones that must be reached for any of our research programs to be successful, any program may be abandoned, even after significant resources have been expended.

We have a history of operating losses and anticipate future losses, continued losses could impair our ability to sustain operations.

We have incurred net operating losses every year since our operations began in 1990. As of September 30, 2001, our accumulated deficit was approximately \$172.4 million. Losses have resulted principally from costs incurred in connection with our research and development activities and from general and administrative costs associated with our operations. We expect to incur additional operating losses over the next several years as our research and development efforts and preclinical testing activities are expanded. Substantially all of our revenues to date have been research support payments under the collaboration agreements with Kyowa Hakko and Pharmacia. In 2001, we regained our right to telomerase inhibitors from Pharmacia and we will not receive future payments from Pharmacia. Kyowa Hakko provided additional research funding in 2001. We may be unsuccessful in entering into any new corporate collaboration that results in revenues. Even if we are able to obtain new collaboration arrangements with third parties the revenues generated from these arrangements will be insufficient to continue or expand our research activities and otherwise sustain our operations.

We are unable to estimate at this time the level of revenue to be received from the sale of diagnostic products and telomerase-immortalized cell lines, and do not currently expect to receive significant revenues from the sale of these products. Our ability to continue or expand our research activities and otherwise sustain our operations is dependent on our ability, alone or with others to, among other things, manufacture and market therapeutic products.

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Risk factors

We may never receive material revenues from product sales or if we do receive revenues, such revenues may not be sufficient to continue or expand our research activities and otherwise sustain our operations.

We will need additional capital to conduct our operations and develop our products, and our ability to obtain the necessary funding is uncertain.

We will require substantial capital resources in order to conduct our operations and develop our products. While we estimate that our existing capital resources, interest income and equipment financing arrangements will be sufficient to fund our current level of operations through at least December 31, 2002, we cannot guarantee that this will be the case. The timing and degree of any future capital requirements will depend on many factors, including:

- 4 the accuracy of the assumptions underlying our estimates for our capital needs in 2002 and beyond;
- 4 continued scientific progress in our research and development programs;
- 4 the magnitude and scope of our research and development programs;
- 4 our ability to maintain and establish strategic arrangements for research, development, clinical testing, manufacturing and marketing;
- 4 our progress with preclinical and clinical trials;
- 4 the time and costs involved in obtaining regulatory approvals;
- 4 the costs involved in preparing, filing, prosecuting, maintaining, defending and enforcing patent claims; and
- 4 the potential for new technologies and products.

We intend to acquire additional funding through strategic collaborations, public or private equity financings, capital lease transactions or other financing sources that may be available. Additional financing may not be available on acceptable terms, or at all. Additional equity financings could result in significant dilution to stockholders. Further, in the event that additional funds are obtained through arrangements with collaborative partners, these arrangements may require us to relinquish rights to some of our technologies, product candidates or products that we would otherwise seek to develop and commercialize ourselves. If sufficient capital is not available, we may be required to delay, reduce the scope of or eliminate one or more of our research or development programs, each of which could have a material adverse effect on our business.

We may be unable to identify a safe and effective inhibitor of telomerase which may prevent us from developing a viable cancer treatment product, which would adversely impact our future business prospects.

As a result of our drug discovery efforts to date, we have identified compounds in laboratory studies that demonstrate potential for inhibiting telomerase in humans. Kyowa Hakko has selected one of these compounds, GRN 163, as a lead compound for preclinical development as a telomerase inhibitor for cancer. Further research is required to determine if this compound can be fully developed as an efficacious, safe and commercially viable treatment for cancer.

This compound, and other compounds we have identified, may prove to have undesirable and unintended side effects or other characteristics adversely affecting its safety or efficacy that would likely prevent or limit its commercial use. Accordingly, it may not be appropriate for us to proceed with clinical development, to obtain regulatory approval or to market a telomerase inhibitor for the

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treatment of cancer. If we abandon our research for cancer treatment for any of these reasons or for other reasons, our business prospects would be materially and adversely affected.

If our access to necessary tissue samples, information or licensed technologies is restricted, we will not be able to develop our business.

To continue the research and development of our therapeutic and diagnostic products, we need access to normal and diseased human and other tissue samples, other biological materials and related clinical and other information. We compete with many other companies for these materials and information. We may not be able to obtain or maintain access to these materials and information on acceptable terms, if at all. In addition, government regulation in the United States and foreign countries could result in restricted access to, or prohibiting the use of, human and other tissue samples. If we lose access to sufficient numbers or sources of tissue samples, or if tighter restrictions are imposed on our use of the information generated from tissue samples, our business will be materially harmed.

Some of our competitors may develop technologies that are superior to or more cost-effective than ours, which may impact the commercial viability of our technologies and which may significantly damage our ability to sustain operations.

The pharmaceutical and biotechnology industries are intensely competitive. We believe that other pharmaceutical and biotechnology companies and research organizations currently engage in or have in the past engaged in efforts related to the biological mechanisms of cell aging and cell immortality, including the study of telomeres, telomerase, human embryonic stem cells, and nuclear transfer. In addition, other products and therapies that could compete directly with the products that we are seeking to develop and market currently exist or are being developed by pharmaceutical and biopharmaceutical companies and by academic and other research organizations.

Many companies are also developing alternative therapies to treat cancer and, in this regard, are competitors of ours. Many of the pharmaceutical companies developing and marketing these competing products have significantly greater financial resources and expertise than we do in:

- 4 research and development;
- 4 manufacturing;
- 4 preclinical and clinical testing;
- 4 obtaining regulatory approvals; and
- 4 marketing.

Smaller companies may also prove to be significant competitors, particularly through collaborative arrangements with large and established companies. Academic institutions, government agencies and other public and private research organizations may also conduct research, seek patent protection and establish collaborative arrangements for research, clinical development and marketing of products similar to ours. These companies and institutions compete with us in recruiting and retaining qualified scientific and management personnel as well as in acquiring technologies complementary to our programs. There is also competition for access to libraries of compounds to use for screening. Should we fail to secure and maintain access to sufficiently broad libraries of compounds for screening potential targets, our business would be materially harmed.

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Risk factors

In addition to the above factors, we expect to face competition in the following areas:

4 product efficacy and safety;

4 the timing and scope of regulatory consents;

4 availability of resources;

4 reimbursement coverage;

4 price; and

4 patent position, including potentially dominant patent positions of others.

As a result of the foregoing, our competitors may develop more effective or more affordable products, or achieve earlier patent protection or product commercialization than we do. Most significantly, competitive products may render the products that we develop obsolete.

The ethical, legal and social implications of our research using embryonic stem cells and nuclear transfer could prevent us from developing or gaining acceptance for commercially viable products in this area.

Our programs in regenerative medicine may involve the use of human embryonic stem cells that would be derived from human embryonic or fetal tissue. The use of human embryonic stem cells gives rise to ethical, legal and social issues regarding the appropriate use of these cells. In the event that our research related to human embryonic stem cells becomes the subject of adverse commentary or publicity, the market price for our common stock could be significantly harmed.

Some groups have voiced opposition to our technology and practices. The concepts of cell regeneration, cell immortality, and genetic cloning have stimulated significant debate in social and political arenas. We use human embryonic stem cells derived through a process that uses either donated embryos that are no longer necessary following a successful in vitro fertilization procedure or donated fetal material as the starting material. Further, many research institutions, including some of our scientific collaborators, have adopted policies regarding the ethical use of human embryonic and fetal tissue. These policies may have the effect of limiting the scope of research conducted using human embryonic stem cells, resulting in reduced scientific progress. In addition, the United States government and its agencies have in recent years refused to fund research which involves the use of human embryonic tissue. President Bush, however, announced on August 9, 2001 that he would permit federal funding of research on human embryonic stem cells using the limited number of embryonic stem cell lines that had already been created. A newly created president's council will monitor stem cell research, and the guidelines and regulations it recommends may include restrictions on the scope of research using human embryonic or fetal tissue. Our inability to conduct research using human embryonic stem cells due to such factors as government regulation or otherwise could have a material adverse effect on us. Finally we acquired Roslin Bio-Med to gain the rights to nuclear transfer technology. The Roslin Institute produced Dolly the sheep in 1997 the first mammal cloned from an adult cell. Geron acquired exclusive rights to this technology for all areas except human reproductive cloning and certain other limited applications. Although we will not be pursuing human reproductive cloning, we continue to develop techniques for use in agricultural cloning and for possible application in human regenerative medicine. Government imposed restrictions with respect to any or all of these practices could:

4 harm our ability to establish critical partnerships and collaborations;

4 prompt government regulation of our technologies;

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Risk factors

4 cause delays in our research and development; and

4 cause a decrease in the price of our stock.

If human therapeutic cloning is restricted or banned (as it would be under bill H.R. 2505 recently passed by the U.S. House of Representatives), our ability to commercialize those applications could be significantly harmed. Also, if regulatory bodies were to ban nuclear transfer processes, our research using nuclear transfer technology could be cancelled and our business could be significantly harmed.

Public attitudes towards gene therapy may negatively affect regulatory approval or public perception of our products.

The commercial success of our product candidates will depend in part on public acceptance of the use of gene therapies for the prevention or treatment of human diseases. Public attitudes may be influenced by claims that gene therapy is unsafe, and gene therapy may not gain the acceptance of the public or the medical community. Adverse events in the field of gene therapy that have occurred or may occur in the future also may result in greater governmental regulation of our product candidates and potential regulatory delays relating to the testing or approval of our product candidates.

Negative public reaction to gene therapy in the development of certain of our therapies could result in greater government regulation, stricter clinical trial oversight, commercial product labeling requirements of gene therapies and could cause a decrease in the demand for any products that we may develop. The subject of genetically modified organisms has received negative publicity in Europe, which has aroused public debate. The adverse publicity in Europe could lead to greater regulation and trade restrictions on imports of genetically altered products. If similar adverse public reaction occurs in the United States, genetic research and resultant products could be subject to greater domestic regulation and could cause a decrease in the demand for our potential products.

Entry into clinical trials with one or more products may not result in any commercially viable products.

We do not expect to generate any significant revenues from product sales for a period of several years. We may never generate revenues from product sales or become profitable because of a variety of risks inherent in our business, including risks that:

4 clinical trials may not demonstrate the safety and efficacy of our products;

4 completion of clinical trials may be delayed, or costs of clinical trials may exceed anticipated amounts;

4 we may not be able to obtain regulatory approval of our products, or may experience delays in obtaining such approvals;

4 we may not be able to manufacture our drugs economically on a commercial scale;

4 we and our licensees may not be able to successfully market our products;

4 physicians may not prescribe our products, or patients may not accept such products;

4 others may have proprietary rights which prevent us from marketing our products; and

4 competitors may sell similar, superior or lower-cost products.

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Risk factors

Impairment of our intellectual property rights may limit our ability to pursue the development of our intended technologies and products.

Our success will depend on our ability to obtain and enforce patents for our discoveries; however, legal principles for biotechnology patents in the United States and in other countries are not firmly established and the extent to which we will be able to obtain patent coverage is uncertain.

Protection of our proprietary compounds and technology is critically important to our business. Our success will depend in part on our ability to obtain and enforce our patents and maintain trade secrets, both in the United States and in other countries. The patent positions of pharmaceutical and biopharmaceutical companies, including ours, are highly uncertain and involve complex legal and technical questions. We may not continue to develop products or processes that are patentable, and it is possible that patents will not issue from any of our pending applications, including allowed patent applications. Further, our current patents, or patents that issue on pending applications, may be challenged, invalidated or circumvented, and our current or future patent rights may not provide proprietary protection or competitive advantages to us. In the event that we are unsuccessful in obtaining and enforcing patents, our business would be negatively impacted.

Patent applications in the United States are maintained in secrecy until patents issue. Publication of discoveries in the scientific or patent literature tends to lag behind actual discoveries by at least several months and sometimes several years. Therefore, the persons or entities that we or our licensors name as inventors in our patents and patent applications may not have been the first to invent the inventions disclosed in the patent applications or patents, or file patent applications for these inventions. As a result, we may not be able to obtain patents from discoveries that we otherwise would consider patentable and that we consider to be extremely significant to our future success.

Patent prosecution or litigation may also be necessary to obtain patents, enforce any patents issued or licensed to us or to determine the scope and validity of our proprietary rights or the proprietary rights of another. We may not be successful in any patent prosecution or litigation. Patent prosecution and litigation in general can be extremely expensive and time consuming, even if the outcome is favorable to us. An adverse outcome in a patent prosecution, litigation or any other proceeding in a court or patent office could subject our business to significant liabilities to other parties, require disputed rights to be licensed from other parties or require us to cease using the disputed technology.

If we fail to meet our obligations under license agreements, we may face loss of our rights to key technologies on which our business depends.

Our business depends on our three core technologies, each of which is based in part on patents licensed from third parties. Those third-party license agreements impose obligations on us, such as payment obligations and obligations to diligently pursue development of commercial products under the licensed patents. If a licensor believes that we have failed to meet our obligations under a license agreement, the licensor could seek to limit or terminate our license rights, which would most likely lead to costly and time-consuming litigation. During the period of any such litigation our ability to carry out the development and commercialization of potential products could be significantly and negatively affected. If our license rights were ultimately lost, our ability to carry on our business based on the affected technology platform would be severely affected.

We may be subject to litigation that will be costly to defend or pursue and uncertain in its outcome.

Our business may bring us into conflict with our licensees, licensors, or others with whom we have contractual or other business relationships, or with our competitors or others whose interests differ from ours. If we are unable to resolve those conflicts on terms that are satisfactory to all parties, we

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Risk factors

may become involved in litigation brought by or against us. That litigation is likely to be expensive and may require a significant amount of management's time and attention, at the expense of other aspects of our business. The outcome of litigation is always uncertain, and in some cases could include judgments against us that require us to pay damages, enjoin us from certain activities, or otherwise affect our legal or contractual rights, which could have a significant effect on our business.

We may be subject to infringement claims that are costly to defend, and which may limit our ability to use disputed technologies and prevent us from pursuing research and development or commercialization of potential products.

Our commercial success depends significantly on our ability to operate without infringing patents and proprietary rights of others. Our technologies may infringe the patents or proprietary rights of others. In addition, we may become aware of discoveries and technology controlled by third parties that are advantageous to our research programs. In the event our technologies do infringe on the rights of others or we require the use of discoveries and technology controlled by third parties, we may be prevented from pursuing research, development or commercialization of potential products or may be required to obtain licenses to these patents or other proprietary rights or develop or obtain alternative technologies. We may not be able to obtain alternative technologies or any required license on commercially favorable terms, if at all. If we do not obtain the necessary licenses or alternative technologies, we may be delayed or prevented from pursuing the development of some potential products. Our failure to obtain alternative technologies or a license to any technology that we may require to develop or commercialize our products will significantly and negatively affect our business.

Patent law relating to the scope and enforceability of claims in the technology fields in which we operate is still evolving, and the degree of future protection for any of our proprietary rights is highly uncertain. In this regard, patents may not issue from any of our patent applications or our existing patents may be found to be invalid by a court. In addition, our success may become dependent on our ability to obtain licenses for using the patented discoveries of others. We are aware of patent applications and patents that have been filed by others with respect to our technologies and we may have to obtain licenses to use these technologies. Moreover, other patent applications may be granted priority over patent applications that we or any of our licensors have filed. Furthermore, others may independently develop similar or alternative technologies, duplicate our technologies or design around the patented technologies we have developed. In the event that we are unable to acquire licenses to critical technologies that we cannot patent ourselves, we may be required to expend significant time and resources to develop alternative technology, and we may not be successful in this regard. If we cannot acquire or develop the necessary technology, we may be prevented from pursuing some of our business objectives. Moreover, one or more of our competitors could acquire or license the necessary technology. Any of these events could materially harm our business.

Much of the information and know-how that is critical to our business is not patentable and we may not be able to prevent others from obtaining this information and establishing competitive enterprises.

We sometimes rely on trade secrets to protect our proprietary technology, especially in circumstances in which patent protection is not believed to be appropriate or obtainable. We attempt to protect our proprietary technology in part by confidentiality agreements with our employees, consultants, collaborators and contractors. We cannot assure you that these agreements will not be breached, that we would have adequate remedies for any breach, or that our trade secrets will not otherwise become known or be independently discovered by competitors, any of which would harm our business significantly.

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We depend on our collaborators to help us complete the process of developing and testing our products and our ability to develop and commercialize products may be impaired or delayed if our collaborative partnerships are unsuccessful.

Our strategy for the development, clinical testing and commercialization of our products requires entering into collaborations with corporate partners, licensors, licensees and others. We are dependent upon the subsequent success of these other parties in performing their respective responsibilities and the continued cooperation of our partners. Our collaborators may not cooperate with us or perform their obligations under our agreements with them. We cannot control the amount and timing of our collaborators' resources that will be devoted to our research activities related to our collaborative agreements with them. Our collaborators may choose to pursue existing or alternative technologies in preference to those being developed in collaboration with us.

Our ability to successfully develop and commercialize a telomerase inhibitor in Asia depends on our corporate alliance with Kyowa Hakko. Our ability to successfully develop and commercialize telomerase diagnostic products depends on our corporate alliance with Roche Diagnostics. Under our collaborative agreements with these collaborators, we rely significantly on them, among other activities, to:

4 design and conduct advanced clinical trials in the event that we reach clinical trials;

4 fund research and development activities with us;

4 pay us fees upon the achievement of milestones; and

4 market with us any commercial products that result from our collaborations.

The development and commercialization of products from these collaborations will be delayed if Kyowa Hakko or Roche Diagnostics fail to conduct these collaborative activities in a timely manner or at all. In addition, Kyowa Hakko or Roche Diagnostics could terminate their agreements with us and we may not receive any development or milestone payments. If we do not achieve milestones set forth in the agreements, or if Kyowa Hakko or Roche Diagnostics or any of our future collaborators breach or terminate collaborative agreements with us, our business may be materially harmed.

Our reliance on the research activities of our non-employee scientific advisors and other research institutions, whose activities are not wholly within our control, may lead to delays in technological developments.

We rely extensively and have relationships with scientific advisors at academic and other institutions, some of whom conduct research at our request. These scientific advisors are not our employees and may have commitments to, or consulting or advisory contracts with, other entities that may limit their availability to us. We have limited control over the activities of these advisors and, except as otherwise required by our collaboration and consulting agreements, can expect only limited amounts of their time to be dedicated to our activities. If our scientific advisors are unable or refuse to contribute to the development of any of our potential discoveries, our ability to generate significant advances in our technologies will be significantly harmed.

In addition, we have formed research collaborations with many academic and other research institutions throughout the world, including the Roslin Institute. These research facilities may have commitments to other commercial and non-commercial entities. We have limited control over the operations of these laboratories and can expect only limited amounts of time to be dedicated to our research goals.

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Risk factors

The loss of key personnel could slow our ability to conduct research and develop products.

Our future success depends to a significant extent on the skills, experience and efforts of our executive officers and key members of our scientific staff. Competition for personnel is intense and we may be unable to retain our current personnel or attract or assimilate other highly qualified management and scientific personnel in the future. The loss of any or all of these individuals could harm our business and might significantly delay or prevent the achievement of research, development or business objectives.

We also rely on consultants and advisors, including the members of our Scientific Advisory Board, who assist us in formulating our research and development strategy. We face intense competition for qualified individuals from numerous pharmaceutical, biopharmaceutical and biotechnology companies, as well as academic and other research institutions. We may not be able to attract and retain these individuals on acceptable terms. Failure to do so would materially harm our business.

We may not be able to obtain or maintain sufficient insurance on commercially reasonable terms or with adequate coverage against potential liabilities in order to protect ourselves against product liability claims.

Our business exposes us to potential product liability risks that are inherent in the testing, manufacturing and marketing of human therapeutic and diagnostic products. We may become subject to product liability claims if the use of our products is alleged to have injured subjects or patients. This risk exists for products tested in human clinical trials as well as products that are sold commercially. We currently have no clinical trial liability insurance and we may not be able to obtain and maintain this type of insurance for any of our clinical trials. In addition, product liability insurance is becoming increasingly expensive. As a result, we may not be able to obtain or maintain product liability insurance in the future on acceptable terms or with adequate coverage against potential liabilities which could have a material adverse effect on us.

Because we or our collaborators must obtain regulatory approval to market our products in the United States and foreign jurisdictions, we cannot predict whether or when we will be permitted to commercialize our products.

Federal, state and local governments in the United States and governments in other countries have significant regulations in place that govern many of our activities. The preclinical testing and clinical trials of the products that we develop ourselves or that our collaborators develop are subject to extensive government regulation and may prevent us from creating commercially viable products from our discoveries. In addition, the sale by us or our collaborators of any commercially viable product will be subject to government regulation from several standpoints, including the processes of:

4 manufacturing;

4 advertising and promoting;

4 selling and marketing;

4 labeling; and

4 distributing.

We may not obtain regulatory approval for the products we develop and our collaborators may not obtain regulatory approval for the products they develop. Regulatory approval may also entail limitations on the indicated uses of a proposed product. Because certain of our product candidates involve the application of new technologies and may be based upon a new therapeutic approach, such

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Risk factors

products may be subject to substantial additional review by various government regulatory authorities, and, as a result, we may obtain regulatory approvals for such products more slowly than for products based upon more conventional technologies. If, and to the extent that, we are unable to comply with these regulations, our ability to earn revenues will be materially and negatively impacted.

The regulatory process, particularly for biopharmaceutical products like ours, is uncertain, can take many years and requires the expenditure of substantial resources. Any product that we or our collaborative partners develop must receive all relevant regulatory agency approvals or clearances, if any, before it may be marketed in the United States or other countries. Generally, biological drugs and non-biological drugs are regulated more rigorously than medical devices. In particular, human pharmaceutical therapeutic products are subject to rigorous preclinical and clinical testing and other requirements by the Food and Drug Administration in the United States and similar health authorities in foreign countries. The regulatory process, which includes extensive preclinical testing and clinical trials of each product in order to establish its safety and efficacy, is uncertain, can take many years and requires the expenditure of substantial resources.

Data obtained from preclinical and clinical activities is susceptible to varying interpretations that could delay, limit or prevent regulatory agency approvals or clearances. In addition, delays or rejections may be encountered as a result of changes in regulatory agency policy during the period of product development and/or the period of review of any application for regulatory agency approval or clearance for a product. Delays in obtaining regulatory agency approvals or clearances could:

- 4 significantly harm the marketing of any products that we or our collaborators develop;
- 4 impose costly procedures upon our activities or the activities of our collaborators;
- 4 diminish any competitive advantages that we or our collaborative partners may attain; or
- 4 adversely affect our ability to receive royalties and generate revenues and profits.

Even if we commit the necessary time and resources, economic and otherwise, the required regulatory agency approvals or clearances may not be obtained for any products developed by or in collaboration with us. If regulatory agency approval or clearance for a new product is obtained, this approval or clearance may entail limitations on the indicated uses for which it may be marketed that could limit the potential commercial use of the product. Furthermore, approved products and their manufacturers are subject to continual review, and discovery of previously unknown problems with a product or its manufacturer may result in restrictions on the product or manufacturer, including withdrawal of the product from the market. Failure to comply with regulatory requirements can result in severe civil and criminal penalties, including but not limited to:

- 4 recall or seizure of products;
- 4 injunction against manufacture, distribution, sales and marketing; and
- 4 criminal prosecution.

The imposition of any of these penalties could significantly impair our business, financial condition and results of operations.

To be successful, our products must be accepted by the health care community, which can be very slow to adopt or unreceptive to new technologies and products.

Our products and those developed by our collaborative partners, if approved for marketing, may not achieve market acceptance since physicians, patients or the medical community in general may decide to not accept and utilize these products. The products that we are attempting to develop may represent substantial departures from established treatment methods and will compete with a number of

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Risk factors

traditional drugs and therapies manufactured and marketed by major pharmaceutical companies. The degree of market acceptance of any of our developed products will depend on a number of factors, including:

- 4 our establishment and demonstration to the medical community of the clinical efficacy and safety of our product candidates;
- 4 our ability to create products that are superior to alternatives currently on the market;
- 4 our ability to establish in the medical community the potential advantage of our treatments over alternative treatment methods; and
- 4 reimbursement policies of government and third-party payors.

If the health care community does not accept our products for any of the foregoing reasons, or for any other reason, our business would be materially harmed.

The reimbursement status of newly-approved health care products is uncertain and failure to obtain reimbursement approval could severely limit the use of our products.

Significant uncertainty exists as to the reimbursement status of newly approved health care products, including pharmaceuticals. If we fail to generate adequate third party reimbursement for the users of our potential products and treatments, then we may be unable to maintain price levels sufficient to realize an appropriate return on our investment in product development.

In both domestic and foreign markets, sales of our products, if any, will depend in part on the availability of reimbursement from third-party payors, examples of which include:

- 4 government health administration authorities;
- 4 private health insurers;
- 4 health maintenance organizations; and
- 4 pharmacy benefit management companies.

Both federal and state governments in the United States and foreign governments continue to propose and pass legislation designed to contain or reduce the cost of health care through various means. Legislation and regulations affecting the pricing of pharmaceuticals and other medical products may change or be adopted before any of our potential products are approved for marketing. Cost control initiatives could decrease the price that we receive for any product we may develop in the future. In addition, third-party payors are increasingly challenging the price and cost-effectiveness of medical products and services and any of our potential products and treatments may ultimately not be considered cost effective by these third parties. Any of these initiatives or developments could materially harm our business.

Our activities involve hazardous materials and improper handling of these materials by our employees or agents could expose us to significant legal and financial penalties.

Our research and development activities involve the controlled use of hazardous materials, chemicals and various radioactive compounds. As a consequence, we are subject to numerous environmental and safety laws and regulations, including those governing laboratory procedures, exposure to blood-borne pathogens and the handling of biohazardous materials. We may be required to incur significant costs to comply with current or future environmental laws and regulations and may be adversely affected by the cost of compliance with these laws and regulations.

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Risk factors

Although we believe that our safety procedures for using, handling, storing and disposing of hazardous materials comply with the standards prescribed by state and federal regulations, the risk of accidental contamination or injury from these materials cannot be eliminated. In the event of such an accident, state or federal authorities could curtail our use of these materials and we could be liable for any civil damages that result, the cost of which could be substantial. Further, any failure by us to control the use, disposal, removal or storage of, or to adequately restrict the discharge of, or assist in the cleanup of, hazardous chemicals or hazardous, infectious or toxic substances could subject us to significant liabilities, including joint and several liability under certain statutes, and any liability could exceed our resources and could have a material adverse effect on our business, financial condition and results of operations. Additionally, an accident could damage our research and manufacturing facilities and operations. Additional federal, state and local laws and regulations affecting us may be adopted in the future. We may incur substantial costs to comply with and substantial fines or penalties if we violate any of these laws or regulations.

Our stock price has historically been very volatile.

Stock prices and trading volumes for many biopharmaceutical companies fluctuate widely for a number of reasons, including some reasons which may be unrelated to their businesses or results of operations such as media coverage, legislation and regulatory measures and the activities of various interest groups or organizations. This market volatility, as well as general domestic or international economic, market and political conditions, could materially and adversely affect the market price of our common stock and the return on your investment.

Historically, our stock price has been extremely volatile. Between January 1998 and December 31, 2001, our stock has traded as high as \$75.88 per share and as low as \$3.50 per share. The significant market price fluctuations of our common stock are due to a variety of factors, including:

- 4 depth of the market for the common stock;
- 4 the experimental nature of our prospective products;
- 4 fluctuations in our operating results;
- 4 market conditions relating to the biopharmaceutical and pharmaceutical industries;
- 4 any announcements of technological innovations, new commercial products or clinical progress or lack thereof by us, our collaborative partners or our competitors; or
- 4 announcements concerning regulatory developments, developments with respect to proprietary rights and our collaborations.

In addition, the stock market is subject to other factors outside our control that can cause extreme price and volume fluctuations. Securities class action litigation has often been brought against companies, including many biotechnology companies, which then experience volatility in the market price of their securities. Litigation brought against us could result in substantial costs and a diversion of management's attention and resources, which could adversely affect our business.

The sale of a substantial number of shares, including shares that will become eligible for sale in the near future, may adversely affect the market price for our common stock.

Sales of substantial number of shares of our common stock in the public market could significantly and negatively affect the market price for our common stock. As of December 31, 2001, we had

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Risk factors

approximately 24,481,774 shares of common stock outstanding. Of these shares, approximately 10,534,534 shares were issued (including shares issuable upon conversion or exercise of convertible notes or warrants) since December 1998 pursuant to private placements. Of these shares, approximately 9,623,463 shares have been registered pursuant to shelf registration statements and therefore may be resold (if not sold prior to the date hereof) in the public market and approximately 906,071 of the remaining shares may be resold pursuant to Rule 144 into the public markets as early as March 9, 2002 upon the expiration of a lockup agreement with us.

Our undesignated preferred stock may inhibit potential acquisition bids; this may adversely affect the market price for our common stock and the voting rights of the holders of common stock.

Our certificate of incorporation provides our Board of Directors with the authority to issue up to 3,000,000 shares of undesignated preferred stock and to determine the rights, preferences, privileges and restrictions of these shares without further vote or action by the stockholders. As of the date of this Form S-3, the Board of Directors still has authority to designate and issue up to 2,950,000 shares of preferred stock. The rights of the holders of common stock will be subject to, and may be adversely affected by, the rights of the holders of any preferred stock that may be issued in the future. The issuance of shares of preferred stock may delay or prevent a change in control transaction without further action by our stockholders. As a result, the market price of our common stock may be adversely affected. The issuance of preferred stock may also result in the loss of voting control by others.

Provisions in our share purchase rights plan, charter and bylaws, and provisions of Delaware law, may inhibit potential acquisition bids for us, which may prevent holders of our common stock from benefiting from what they believe may be the positive aspects of acquisitions and takeovers.

Our Board of Directors has adopted a share purchase rights plan, commonly referred to as a "poison pill". This plan entitles existing stockholders to rights, including the right to purchase shares of common stock, in the event of an acquisition of 15% or more of our outstanding common stock. Our share purchase rights plan could prevent stockholders from profiting from an increase in the market value of their shares as a result of a change of control of Geron by delaying or preventing a change of control. In addition, our Board of Directors has the authority, without further action by our stockholders, to issue additional shares of common stock, to fix the rights and preferences of, and to issue authorized but undesignated shares of preferred stock.

In addition to our share purchase rights plan and the undesignated preferred stock, provisions of our charter documents and bylaws may make it substantially more difficult for a third party to acquire control of us and may prevent changes in our management, including provisions that:

- 4 prevent stockholders from taking actions by written consent;
- 4 divide the Board of Directors into separate classes with terms of office that are structured to prevent all of the directors from being elected in any one year; and
- 4 set forth procedures for nominating directors and submitting proposals for consideration at stockholders' meetings. Provisions of Delaware law may also inhibit potential acquisition bids for us or prevent us from engaging in business combinations. Either collectively or individually, these provisions may prevent holders of our common stock from benefiting from what they may believe are the positive aspects of acquisitions and takeovers, including the potential realization of a higher rate of return on their investment from these types of transactions.

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Forward-looking statements

This prospectus and the documents incorporated by reference into this prospectus contain forward-looking statements that are based on current expectations, estimates and projections about our industry, management's beliefs, and assumptions made by management. Words such as anticipates, expects, intends, plans, believes, seeks, variations of such words and similar expressions are intended to identify such forward-looking statements. These statements are not guarantees of future performance and are subject to certain risks, uncertainties and assumptions that are difficult to predict; therefore, actual results may differ materially from those expressed or forecasted in any forward-looking statements. The risks and uncertainties include those noted in Risk factors above and in the documents incorporated by reference. We undertake no obligation to update publicly any forward-looking statements, whether as a result of new information, future events or otherwise.

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Ratio of earnings to fixed charges(1)

The following table sets forth ratios of earnings to fixed charges for the periods shown.

| Nine months ended September 30, 2001 | Year ended December 31, | | | | |
|---|-------------------------|--------|--------|--------|--------|
| | 2000 | 1999 | 1998 | 1997 | 1996 |
| N/A(2) | N/A(2) | N/A(2) | N/A(2) | N/A(2) | N/A(2) |

The following table sets forth ratios of earnings to fixed charges and preferred dividend for the periods shown.

| Nine months ended September 30, 2001 | Year ended December 31, | | | | |
|---|-------------------------|--------|--------|--------|--------|
| | 2000 | 1999 | 1998 | 1997 | 1996 |
| N/A(3) | N/A(3) | N/A(3) | N/A(3) | N/A(3) | N/A(3) |

(1) *The ratio of earnings to fixed charges was computed by dividing earnings by fixed charges. For this purpose, earnings consist of net loss before fixed charges. Fixed charges consist of interest expense on outstanding lease liabilities, interest accrual for outstanding convertible debentures, the amortization of issuance costs on convertible debentures, and the interest expense related to the value of warrants issued with convertible debentures.*

The ratio of earnings to fixed charges and preferred dividends was calculated in a similar manner to the ratio of earnings to fixed charges, except that the accretion of premium on outstanding redeemable preferred stock is included in the fixed charges for the years ended December 31, 1998 and 1997. No preferred stock dividends were paid in the other periods.

(2) *Earnings have been inadequate to cover fixed charges. The dollar amount of the coverage deficiency was approximately \$22.6 million for the nine months ended September 30, 2001 and \$45.8 million, \$46.4 million, \$10.8 million, \$9.6 million and \$10.7 million for the years ended December 31, 2000, 1999, 1998, 1997 and 1996.*

(3) *Earnings have been inadequate to cover fixed charges and preferred dividends. The dollar amount of the coverage deficiency was approximately \$22.6 million for the nine months ended September 30, 2001 and \$45.8 million, \$46.5 million, \$11.4 million, \$9.6 million and \$10.7 million for the years ended December 31, 2000, 1999, 1998, 1997 and 1996.*

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Use of proceeds

Except as otherwise provided in the applicable prospectus supplement, we will use the net proceeds from the sale of the securities for general corporate purposes, which may include funding research and development, increasing our working capital, reducing indebtedness, acquisitions or investments in businesses, products or technologies that are complementary to our own, and capital expenditures. Pending the application of the net proceeds, we expect to invest the proceeds in investment-grade, interest-bearing securities.

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Plan of distribution

We may sell the securities being offered by this prospectus directly to our stockholders, directly to one or more purchasers, through agents, to or through one or more dealers, to or through underwriters or through a combination of any of these methods of sale.

We may distribute the securities from time to time in one or more transactions:

4 at a fixed price or prices, which may be changed;

4 at market prices prevailing at the time of sale;

4 at prices related to such prevailing market prices; or

4 at negotiated prices.

We may solicit directly offers to purchase the securities being offered by this prospectus. We may also designate agents to solicit offers to purchase the securities from time to time. We will name any agent, who may be deemed to be our underwriter as that term is defined in the Securities Act, involved in the offer or sale of our securities in a prospectus supplement. We will also describe any commissions payable by us to any agent in the applicable prospectus supplement.

If we use a dealer in the sale of the securities, we will sell the securities to the dealer as principal. The dealer, who may be deemed to be an underwriter as that term is defined in the Securities Act, may then resell the securities to the public at varying prices to be determined by the dealer at the time of resale.

If we use an underwriter or underwriters in the sale of the securities being offered by this prospectus, we will execute an underwriting agreement with the underwriters at the time of sale to them and we will provide the names of the underwriters in the prospectus supplement which the underwriters will use to make resales of the securities to the public. In connection with the sale of the securities, we, or the purchasers of securities for whom the underwriters may act as agents; may compensate the underwriters in the form of underwriting discounts or commissions. Underwriters may also sell the securities to or through dealers, and the underwriters may compensate those dealers in the form of discounts, concessions or commissions. We will describe in the applicable prospectus supplement any underwriting compensation we pay to underwriters in connection with the offering of securities by this prospectus, and any discounts, concessions or commission allowed by underwriters to participating dealers.

We may authorize underwriters, dealers or other persons to solicit offers by institutions to purchase the securities offered by this prospectus pursuant to contracts providing for payment and delivery on a future date or dates. If we do so, we will provide the details of the arrangements in a prospectus supplement. We may make these contracts with commercial and savings banks, insurance companies, pension funds, investment companies, educational and charitable institutions and others. The obligations of any purchasers under these contracts will not be subject to any conditions except that (a) the purchase of the securities shall not at the time of delivery be prohibited under the laws of the jurisdiction to which the purchaser is subject and (b) if the securities are also being sold to underwriters, we shall have sold to the underwriters the securities offered by this prospectus which are not sold for delayed delivery. The underwriters, dealers and other persons will not have any responsibility in respect of the validity or performance of the contracts. We will describe in the prospectus supplement the price to be paid for securities under the contracts, the commission payable for solicitation of contracts and the date or dates in the future for delivery of the securities pursuant to the contracts.

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Plan of distribution

We may enter into agreements to indemnify underwriters, dealers and agents who participate in the distribution of securities against certain liabilities, including liabilities under the Securities Act.

We may also offer securities to third parties which provide us with services or other appropriate consideration such as licenses of technology. If we do so, we will provide the details of the arrangement with such third parties in a prospectus supplement.

Each series of securities will be a new issue and other than the Common Stock, which is quoted on the Nasdaq National Market, will have no established trading market. Unless otherwise specified in a related prospectus supplement, we will not have any obligation to list any series of securities on an exchange or otherwise. We cannot assure you that there will be any liquidity in the trading market for any of the securities.

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Description of debt securities

This prospectus describes certain general terms and provisions of our debt securities. When we offer to sell a particular series of debt securities, we will describe the specific terms of the series in a supplement to this prospectus. We will also indicate in the supplement whether the general terms and provisions described in this prospectus apply to a particular series of debt securities.

The debt securities offered by this prospectus will be issued under an indenture between us and the trustee named in the indenture. The indenture is subject to, and governed by, the Trust Indenture Act of 1939, as amended (the "TIA"). We have filed a copy of the form of indenture as an exhibit to the registration statement and you should read the indenture for provisions that may be important to you. We have summarized select portions of the indenture below. The summary is not complete. Capitalized terms used in the summary below have the meanings specified in the indenture.

GENERAL

The terms of each series of debt securities will be established by or pursuant to a resolution of our board of directors and detailed or determined in the manner provided in an officers' certificate or by a supplemental indenture. The particular terms of each series of debt securities will be described in a prospectus supplement relating to the series, including any pricing supplement.

We can issue an unlimited amount of debt securities under the indenture that may be in one or more series with the same or various maturities, at par, at a premium, or at a discount. We will set forth in a prospectus supplement, including any pricing supplement, relating to any series of debt securities being offered, the initial offering price, the aggregate principal amount and the following terms of the debt securities:

- 4 the title of the debt securities;
- 4 the price or prices (expressed as a percentage of the aggregate principal amount) at which we will sell the debt securities;
- 4 any limit on the aggregate principal amount of the debt securities;
- 4 the date or dates on which we will pay the principal on the debt securities;
- 4 the rate or rates (which may be fixed or variable) per annum or the method used to determine the rate or rates (including any commodity, commodity index, stock exchange index or financial index) at which the debt securities will bear interest, the date or dates from which interest will accrue, the date or dates on which interest will commence and be payable and any regular record date for the interest payable on any interest payment date;
- 4 the place or places where principal of, premium, and interest on the debt securities will be payable;
- 4 the terms and conditions upon which we may redeem the debt securities;
- 4 the terms and conditions, if any, upon which the debt securities are convertible into common stock or preferred stock;
- 4 any obligation we have to redeem or purchase the debt securities pursuant to a sinking fund or analogous provisions or at the option of a holder of debt securities;
- 4 the dates on which and the price or prices at which we will repurchase the debt securities at the option of the holders of debt securities and other detailed terms and provisions of these repurchase obligations;

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Description of debt securities

- 4 the denominations in which the debt securities will be issued, if other than denominations of \$1,000 and any integral multiple thereof;
- 4 whether the debt securities will be issued in the form of certificated debt securities or global debt securities;
- 4 the portion of principal amount of the debt securities payable upon declaration of acceleration of the maturity date, if other than the principal amount;
- 4 the currency of denomination of the debt securities;
- 4 the designation of the currency, currencies or currency unit in which payment of principal of, and premium and interest on the debt securities will be made;
- 4 if payments of principal of, or premium or interest on the debt securities will be made in one or more currencies or currency units other than that or those in which the debt securities are denominated, the manner in which the exchange rate with respect to these payments will be determined;
- 4 the manner in which the amounts of payment of principal of, and premium or interest on the debt securities will be determined, if these amounts may be determined by reference to an index based on a currency or currencies other than that in which the debt securities are denominated or designated to be payable or by reference to a commodity, commodity index, stock exchange index or financial index;
- 4 any provisions relating to any security provided for the debt securities;
- 4 any addition to or change in the Events of Default described in this prospectus or in the indenture with respect to the debt securities and any change in the acceleration provisions described in this prospectus or in the indenture with respect to the debt securities;
- 4 any addition to or change in the covenants described in this prospectus or in the indenture with respect to the debt securities;
- 4 any other terms of the debt securities, which may modify or delete any provision of the indenture as it applies to that series; and
- 4 any depositaries, interest rate calculation agents, exchange rate calculation agents or other agents with respect to the debt securities.

We may issue debt securities that provide for an amount less than their stated principal amount to be due and payable upon declaration of acceleration of their maturity pursuant to the terms of the indenture. We will provide you with information on the federal income tax considerations and other special considerations applicable to any of these debt securities in the applicable prospectus supplement.

If we denominate the purchase price of any of the debt securities in a foreign currency or currencies or a foreign currency unit or units, or if the principal of and any premium and interest on any series of debt securities is payable in a foreign currency or currencies or a foreign currency unit or units, we will provide you with information on the restrictions, elections, general tax considerations, specific terms and other information with respect to that issue of debt securities and such foreign currency or currencies or foreign currency unit or units in the applicable prospectus supplement.

PAYMENT OF INTEREST AND EXCHANGE

Each debt security will be represented by either one or more global securities registered in the name of a clearing agency registered under the Securities Exchange Act of 1934, as amended, as Depositary, or

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a nominee of the Depositary (we will refer to any debt security represented by a global debt security as a book-entry debt security), or a certificate issued in definitive registered form (we will refer to any debt security represented by a certificated security as a certificated debt security), as described in the applicable prospectus supplement. Except as described under Global Debt Securities and Book-Entry System below, book-entry debt securities will not be issuable in certificated form.

Debt Securities. You may transfer or exchange certificated debt securities at the trustee's office or paying agencies in accordance with the terms of the indenture. No service charge will be made for any transfer or exchange of certificated debt securities, but we may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection with a transfer or exchange.

You may transfer certificated debt securities and the right to receive the principal of, and premium and interest on certificated debt securities only by surrendering the old certificate representing those certificated debt securities and either we or the trustee will reissue the old certificate to the new holder or we or the trustee will issue a new certificate to the new holder.

Global Debt Securities and Book-Entry System. Each global debt security representing book-entry debt securities will be deposited with, or on behalf of, the Depositary, and registered in the name of the Depositary or a nominee of the Depositary.

We expect that the Depositary will follow substantially the following procedures with respect to book-entry debt securities.

Ownership of beneficial interests in book-entry debt securities will be limited to persons that have accounts with the Depositary for the related global debt security, otherwise referred to as participants, or persons that may hold interests through participants. Upon the issuance of a global debt security, the Depositary will credit, on its book-entry registration and transfer system, the participants' accounts with the respective principal amounts of the book-entry debt securities represented by the global debt security beneficially owned by such participants. The accounts to be credited will be designated by any dealers, underwriters or agents participating in the distribution of the book-entry debt securities. Ownership of book-entry debt securities will be shown on, and the transfer of the ownership interests will be effected only through, records maintained by the Depositary for the related global debt security (with respect to interests of participants) and on the records of participants (with respect to interests of persons holding through participants). The laws of some states may require that certain purchasers of securities take physical delivery of such securities in definitive form. These laws may impair the ability to own, transfer or pledge beneficial interests in book-entry debt securities.

So long as the Depositary for a global debt security, or its nominee, is the registered owner of that global debt security, the Depositary or its nominee, as the case may be, will be considered the sole owner or holder of the book-entry debt securities represented by such global debt security for all purposes under the indenture. Except as described herein, beneficial owners of book-entry debt securities will not be entitled to have securities registered in their names, will not receive or be entitled to receive physical delivery of a certificate in definitive form representing securities and will not be considered the owners or holders of those securities under the indenture. Accordingly, to exercise any rights of a holder under the indenture, each person beneficially owning book-entry debt securities must rely on the procedures of the Depositary for the related global debt security and, if that person is not a participant, on the procedures of the participant through which that person owns its interest.

We understand, however, that under existing industry practice, the Depositary will authorize the persons on whose behalf it holds a global debt security to exercise certain rights of holders of debt securities, and the indenture provides that we, the trustee and our respective agents will treat as the holder of a debt security the persons specified in a written statement of the Depositary with respect to

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Description of debt securities

that global debt security for purposes of obtaining any consents or directions required to be given by holders of the debt securities pursuant to the indenture.

We will make payments of principal of, and premium and interest on book-entry debt securities to the Depository or its nominee, as the case may be, as the registered holder of the related global debt security. Geron, the trustee and any other agent of ours or agent of the trustee will not have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests in a global debt security or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

We expect that the Depository, upon receipt of any payment of principal of, or premium or interest on a global debt security, will immediately credit participants' accounts with payments in amounts proportionate to the respective amounts of book-entry debt securities held by each participant as shown on the records of the Depository. We also expect that payments by participants to owners of beneficial interests in book-entry debt securities held through those participants will be governed by standing customer instructions and customary practices, as is now the case with the securities held for the accounts of customers in bearer form or registered in street name, and will be the responsibility of those participants.

We will issue certificated debt securities in exchange for each global debt security if the Depository is at any time unwilling or unable to continue as Depository or ceases to be a clearing agency registered under the Exchange Act, and a successor Depository registered as a clearing agency under the Exchange Act is not appointed by us within 90 days. In addition, we may at any time and in our sole discretion determine not to have any of the book-entry debt securities of any series represented by one or more global debt securities and, in that event, we will issue certificated debt securities in exchange for the global debt securities of that series. Global debt securities will also be exchangeable by the holders for certificated debt securities if an Event of Default with respect to the book-entry debt securities represented by those global debt securities has occurred and is continuing. Any certificated debt securities issued in exchange for a global debt security will be registered in such name or names as the Depository shall instruct the trustee. We expect that such instructions will be based upon directions received by the Depository from participants with respect to ownership of book-entry debt securities relating to such global debt security.

We have obtained the foregoing information in this section concerning the Depository and the Depository's book-entry system from sources we believe to be reliable, but we take no responsibility for the accuracy of this information.

REDEMPTION

We will describe in the applicable prospectus supplement the terms and conditions, if any, upon which the debt securities are redeemable. These terms will include:

- 4 provisions regarding whether redemption will be at our option or the option of the holders;
- 4 the time for delivery and required content of a notice of redemption to the trustee and the holders;
- 4 the manner of selection of debt securities to be redeemed; and
- 4 provisions regarding the payment of the redemption price.

CONSOLIDATION, MERGER AND SALE OF ASSETS

We may not consolidate with or merge into, or convey, transfer or lease all or substantially all of our properties and assets to, any person (a successor person), and we may not permit any person to

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Description of debt securities

merge into, or convey, transfer or lease its properties and assets substantially as an entirety to us, unless:

- 4 the successor person is a corporation, partnership, trust or other entity organized and validly existing under the laws of any U.S. domestic jurisdiction and expressly assumes our obligations on the debt securities and under the indenture;
- 4 immediately after giving effect to the transaction, no Event of Default, and no event which, after notice or lapse of time, or both, would become an Event of Default, shall have occurred and be continuing under the indenture; and
- 4 we deliver to the trustee an officer's certificate and legal opinion covering compliance with the conditions listed above.

COVENANTS

In addition to our obligation to make payments of principal and interest on the debt securities in accordance with their terms, the indenture contains covenants requiring us to:

- 4 deliver to the trustee, within 15 days of filing, copies of all filings made by us with the Securities and Exchange Commission pursuant to Section 13 or 15(d) of the Securities Exchange Act;
 - 4 deliver to the trustee, within 90 days after the end of each of our fiscal years, an officer's certificate stating that we have fulfilled our obligations under the indenture during the preceding fiscal year;
 - 4 to the extent we may lawfully do so, refrain from claiming or taking advantage of any stay, extension or usury law which may affect our obligations under the indenture or the debt securities;
 - 4 preserve our corporate existence, except as permitted under Consolidation, Merger and Sale of Assets, and preserve our rights, licenses and franchises, and the existence of our significant subsidiaries, unless our board of directors determines that it is no longer desirable in the conduct of our business to preserve those rights, license or franchises, or to preserve the existence of any significant subsidiary; and
 - 4 pay when due all taxes, assessments and governmental levies, except those that we contest in good faith.
- Unless we state otherwise in (a) the applicable prospectus supplement and in a supplement to the indenture, (b) a board resolution, or (c) an officer's certificate delivered pursuant to the indenture, the debt securities will not contain any other restrictive covenants, including covenants restricting us or any of our subsidiaries from incurring, issuing, assuming or guarantying any indebtedness secured by a lien on any of our or our subsidiaries' property or capital stock, or restricting us or any of our subsidiaries from entering into any sale and leaseback transactions.

EVENTS OF DEFAULT

Event of Default means with respect to any series of debt securities, any of the following:

- 4 default in the payment of any interest upon any debt security of that series when it becomes due and payable, and continuance of that default for a period of 30 days (unless the entire amount of such payment is deposited by us with the trustee or with a paying agent prior to the expiration of the 30-day period);
- 4 default in the payment of principal of or premium on any debt security of that series when due and payable;

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- 4 default in the deposit of any sinking fund payment, when and as due in respect of any debt security of that series;
- 4 default in the performance or breach of any other covenant or warranty by us in the indenture (other than a covenant or warranty that has been included in the indenture solely for the benefit of a series of debt securities other than that series), which default continues uncured for a period of 60 days after we receive written notice from the trustee or we and the trustee receive written notice from the holders of at least 25% in principal amount of the outstanding debt securities of that series as provided in the indenture;
- 4 an event of default under any of our debt (including a default with respect to debt securities of any series other than that series) or any subsidiary, whether that debt exists today or is created at a later date, if
 - 4 the default results from our failure to pay the debt when it becomes due;
 - 4 the principal amount of the debt, together with the principal amount of any other debt in default for failure to pay principal at stated final maturity or the maturity of which has been accelerated, at any time exceeds a specified amount; and
 - 4 the debt is not discharged or the acceleration is not rescinded or annulled within 10 days after we receive written notice as provided in the indenture;
- 4 events of bankruptcy, insolvency or reorganization as provided in the indenture; and
- 4 any other Event of Default provided with respect to debt securities of that series that is described in the applicable prospectus supplement accompanying this prospectus.

No Event of Default with respect to a particular series of debt securities (except as to events of bankruptcy, insolvency or reorganization described in the indenture) necessarily constitutes an Event of Default with respect to any other series of debt securities. An Event of Default may also be an event of default under our bank credit agreements in existence from time to time and under certain guaranties by us of any subsidiary indebtedness. In addition, certain Events of Default or an acceleration under the indenture may also be an event of default under some of our other indebtedness outstanding from time to time.

If an Event of Default with respect to debt securities of any series at the time outstanding occurs and is continuing, then the trustee or the holders of not less than 25% in principal amount of the outstanding debt securities of that series may, by written notice to us (and to the trustee if given by the holders), declare to be due and payable immediately the principal (or, if the debt securities of that series are discount securities, that portion of the principal amount as may be specified in the terms of that series) and premium of all debt securities of that series. In the case of an Event of Default resulting from events of bankruptcy, insolvency or reorganization, the principal (or the specified amount) and premium of all outstanding debt securities will become and be immediately due and payable without any declaration or other act by the trustee or any holder of outstanding debt securities. At any time after a declaration of acceleration with respect to debt securities of any series has been made, but before the trustee has obtained a judgment or decree for payment of the money due, the holders of a majority in principal amount of the outstanding debt securities of that series may, subject to our having paid or deposited with the trustee a sum sufficient to pay overdue interest and principal which has become due other than by acceleration and certain other conditions, rescind and annul the acceleration if all Events of Default, other than the non-payment of accelerated principal and premium with respect to debt securities of that series, have been cured or waived as provided in the indenture. For information as to waiver of defaults see the discussion under **Modification and Waiver** below. We refer you to the prospectus supplement relating to any series of debt securities that

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Description of debt securities

are discount securities for the particular provisions relating to acceleration of a portion of the principal amount of the discount securities upon the occurrence of an Event of Default and the continuation of an Event of Default.

The indenture provides that the trustee will be under no obligation to exercise any of its rights or powers under the indenture at the request of any holder of outstanding debt securities, unless the trustee receives indemnity satisfactory to it against any loss, liability or expense. Subject to the rights of the trustee, the holders of a majority in principal amount of the outstanding debt securities of any series shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the trustee or exercising any trust or power conferred on the trustee with respect to the debt securities of that series.

No holder of any debt security of any series will have any right to institute any proceeding judicial or otherwise, with respect to the indenture or for the appointment of a receiver or trustee, or for any remedy under the indenture, unless:

- 4 that holder has previously given to the trustee written notice of a continuing Event of Default with respect to debt securities of that series; and
- 4 the holders of at least 25% in principal amount of the outstanding debt securities of that series have made written request, and offered reasonable indemnity, to the trustee to institute such proceeding as trustee, and the trustee shall not have received from the holders of a majority in principal amount of the outstanding debt securities of that series a direction inconsistent with that request and has failed to institute the proceeding within 60 days.

Notwithstanding the foregoing, the holder of any debt security will have an absolute and unconditional right to receive payment of the principal of, and premium and any interest on, that debt security on or after the due dates expressed in that debt security and to institute suit for the enforcement of payment.

The indenture provides that the trustee may withhold notice to the holders of debt securities of any series of any Default or Event of Default (except in payment on any debt securities of that series) with respect to debt securities of that series if it in good faith determines that withholding notice is in the interest of the holders of those debt securities.

CONVERSION RIGHTS

We will describe in the applicable prospectus supplement the terms and conditions, if any, upon which the debt securities are convertible into common stock or preferred stock. Those terms will include:

- 4 whether the debt securities are convertible into common stock or preferred stock;
- 4 the conversion price, or manner of calculation;
- 4 the conversion period;
- 4 provisions regarding whether conversion will be at our option or the option of the holders;
- 4 the events requiring an adjustment of the conversion price; and
- 4 provisions affecting conversion in the event of the redemption of the debt securities.

MODIFICATION AND WAIVER

We and the trustee may modify and amend the indenture with the consent of the holders of at least a majority in principal amount of the outstanding debt securities of each series affected by the modifications

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Description of debt securities

or amendments. We and the trustee may not make any modification or amendment without the consent of the holder of each affected debt security then outstanding if that amendment will:

- 4 change the amount of debt securities whose holders must consent to an amendment or waiver;
- 4 reduce the rate of or extend the time for payment of interest (including default interest) on any debt security;
- 4 reduce the principal of or premium on or change the fixed maturity of any debt security or reduce the amount of, or postpone the date fixed for, the payment of any sinking fund or analogous obligation with respect to any series of debt securities;
- 4 reduce the principal amount of discount securities payable upon acceleration of maturity;
- 4 waive a default in the payment of the principal of, or premium or interest on any debt security (except a rescission of acceleration of the debt securities of any series by the holders of at least a majority in aggregate principal amount of the then outstanding debt securities of that series and a waiver of the payment default that resulted from that acceleration);
- 4 make the principal of, or premium or interest on any debt security payable in currency other than that stated in the debt security;
- 4 make any change to provisions of the indenture relating to, among other things, the right of holders of debt securities to receive payment of the principal of, and premium and interest on those debt securities and to institute suit for the enforcement of any payment and to waivers or amendments; or
- 4 waive a redemption payment with respect to any debt security or change any of the provisions with respect to the redemption of any debt securities.

Except for waivers having the effects listed immediately above, the holders of at least a majority in principal amount of the outstanding debt securities of any series may on behalf of the holders of all debt securities of that series waive our compliance with provisions of the indenture. The holders of a majority in principal amount of the outstanding debt securities of any series may on behalf of the holders of all the debt securities of that series waive any past default under the indenture with respect to that series and its consequences, except a default in the payment of the principal of, or premium or any interest on any debt security of that series; provided, however, that the holders of a majority in principal amount of the outstanding debt securities of any series may rescind an acceleration and its consequences, including any related payment default that resulted from the acceleration.

DEFEASANCE OF DEBT SECURITIES AND CERTAIN COVENANTS IN CERTAIN CIRCUMSTANCES

Legal Defeasance. The indenture provides that, unless otherwise provided by the terms of the applicable series of debt securities, we may be discharged from any and all obligations in respect of the debt securities of any series (except for obligations to register the transfer or exchange of debt securities of the series, to replace stolen, lost or mutilated debt securities of the series, and to maintain paying agencies and provisions relating to the treatment of funds held by paying agents). We will be so discharged upon the deposit with the trustee, in trust, of money and/or U.S. government obligations or, in the case of debt securities denominated in a single currency other than U.S. dollars, foreign government obligations, that, through the payment of interest and principal in accordance with their terms, will provide money in an amount sufficient in the opinion of a nationally recognized firm of independent public accountants to pay and discharge each installment of principal, premium and interest on and any mandatory sinking fund payments in respect of the debt securities of that series on the stated maturity of such payments in accordance with the terms of the indenture and those debt securities.

This discharge may occur only if, among other things, we have delivered to the trustee an officers certificate and an opinion of counsel stating that we have received from, or there has been published

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Description of debt securities

by, the United States Internal Revenue Service a ruling or, since the date of execution of the indenture, there has been a change in the applicable United States federal income tax law, in either case to the effect that holders of the debt securities of such series will not recognize income, gain or loss for United States federal income tax purposes as a result of the deposit, defeasance and discharge and will be subject to United States federal income tax on the same amount and in the same manner and at the same times as would have been the case if the deposit, defeasance and discharge had not occurred.

Defeasance of Certain Covenants. The indenture provides that, unless otherwise provided by the terms of the applicable series of debt securities, upon compliance with conditions specified in the indenture:

4 we may omit to comply with the restrictive covenants contained in Sections 4.2 through 4.6 and Section 5.1 of the indenture, as well as any additional covenants contained in a supplement to the indenture, a board resolution or an officers' certificate delivered pursuant to the indenture; and

4 Events of Default under Section 6.1(e) of the indenture will not constitute a Default or an Event of Default with respect to the debt securities of that series.

The conditions include:

4 depositing with the trustee money and/or U.S. government obligations or, in the case of debt securities denominated in a single currency other than U.S. dollars, foreign government obligations, that, through the payment of interest and principal in accordance with their terms, will provide money in an amount sufficient in the opinion of a nationally recognized firm of independent public accountants to pay principal, premium and interest on and any mandatory sinking fund payments in respect of the debt securities of that series on the stated maturity of those payments in accordance with the terms of the indenture and those debt securities; and

4 delivering to the trustee an opinion of counsel to the effect that the holders of the debt securities of that series will not recognize income, gain or loss for United States federal income tax purposes as a result of the deposit and related covenant defeasance and will be subject to United States federal income tax in the same amount and in the same manner and at the same times as would have been the case if the deposit and related covenant defeasance had not occurred.

Covenant Defeasance and Events of Default. In the event we exercise our option not to comply with certain covenants of the indenture with respect to any series of debt securities and the debt securities of that series are declared due and payable because of the occurrence of any Event of Default, the amount of money and/or U.S. government obligations or foreign government obligations on deposit with the trustee will be sufficient to pay amounts due on the debt securities of that series at the time of their stated maturity but may not be sufficient to pay amounts due on the debt securities of that series at the time of the acceleration resulting from the Event of Default. However, we will remain liable for those payments.

Foreign government obligations means, with respect to debt securities of any series that are denominated in a currency other than U.S. Dollars:

4 direct obligations of the government that issued or caused to be issued such currency for the payment of which obligations its full faith and credit is pledged, which are not callable or redeemable at the option of the issuer thereof; or

4 obligations of a person controlled or supervised by or acting as an agency or instrumentality of that government the timely payment of which is unconditionally guaranteed as a full faith and credit obligation by that government, which are not callable or redeemable at the option of the issuer thereof.

GOVERNING LAW

The indenture and the debt securities will be governed by, and construed in accordance with, the internal laws of the State of New York.

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Description of common stock

The following summary of the terms of our common stock does not purport to be complete and is subject to and qualified in its entirety by reference to our charter and bylaws, copies of which are on file with the Commission as exhibits to registration statements previously filed by us. See Where you can find more information.

We have authority to issue 50,000,000 shares of common stock, \$.001 par value per share. As of December 31, 2001, we had 24,481,774 shares of common stock outstanding.

The holders of our common stock are entitled to one vote per share on all matters to be voted upon by the stockholders. Subject to preferences that may be applicable to any outstanding shares of our preferred stock, the holders of common stock are entitled to receive ratably such dividends, if any, as may be declared from time to time by our Board of Directors out of funds legally available for that purpose. In the event of a liquidation, dissolution or winding up of the company, the holders of our common stock are entitled to share ratably in all assets remaining after payment of liabilities, subject to preferences applicable to shares of our preferred stock, if any, then outstanding. The common stock has no preemptive or conversion rights or other subscription rights. There are no redemption or sinking fund provisions available to the common stock. All outstanding shares of our common stock are, and the shares of common stock offered by this prospectus will be, fully paid and nonassessable.

TRANSFER AGENT AND REGISTRAR

The transfer agent and registrar for the common stock is U.S. Stock Transfer Corporation.

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Description of preferred stock

We have authority to issue 3,000,000 shares of preferred stock, \$.001 par value per share. As of December 31, 2001, we had no shares of preferred stock outstanding.

GENERAL

Under our Certificate of Incorporation, our board of directors is authorized generally without stockholder approval to issue shares of preferred stock from time to time, in one or more classes or series. Prior to the issuance of shares of each series, the board of directors is required by the Delaware General Corporation Law and our Certificate of Incorporation to adopt resolutions and file a certificate of designation with the Secretary of State of the State of Delaware. The certificate of designation fixes for each class or series the designations, powers, preferences, rights, qualifications, limitations and restrictions, including, but not limited to, the following:

- 4 the number of shares constituting each class or series;
- 4 voting rights;
- 4 rights and terms of redemption (including sinking fund provisions);
- 4 dividend rights and rates;
- 4 dissolution;
- 4 terms concerning the distribution of assets;
- 4 conversion or exchange terms;
- 4 redemption prices; and
- 4 liquidation preferences.

All shares of preferred stock offered hereby will, when issued, be fully paid and nonassessable and will not have any preemptive or similar rights. Our board of directors could authorize the issuance of shares of preferred stock with terms and conditions which could have the effect of discouraging a takeover or other transaction that might involve a premium price for holders of the shares or which holders might believe to be in their best interests.

We will set forth in a prospectus supplement relating to the class or series of preferred stock being offered the following terms:

- 4 the title and stated value of the preferred stock;
- 4 the number of shares of the preferred stock offered, the liquidation preference per share and the offering price of the preferred stock;
- 4 the dividend rate(s), period(s) and/or payment date(s) or method(s) of calculation applicable to the preferred stock;
- 4 whether dividends are cumulative or non-cumulative and, if cumulative, the date from which dividends on the preferred stock will accumulate;
- 4 the procedures for any auction and remarketing, if any, for the preferred stock;
- 4 the provisions for a sinking fund, if any, for the preferred stock;

4 the provision for redemption, if applicable, of the preferred stock;

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Description of preferred stock

- 4 any listing of the preferred stock on any securities exchange;
- 4 the terms and conditions, if applicable, upon which the preferred stock will be convertible into common stock, including the conversion price (or manner of calculation) and conversion period;
- 4 voting rights, if any, of the preferred stock;
- 4 whether interests in the preferred stock will be represented by depositary shares;
- 4 a discussion of any material and/or special United States Federal income tax considerations applicable to the preferred stock;
- 4 the relative ranking and preferences of the preferred stock as to dividend rights and rights upon the liquidation, dissolution or winding up of our affairs;
- 4 any limitations on issuance of any class or series of preferred stock ranking senior to or on a parity with the class or series of preferred stock as to dividend rights and rights upon liquidation, dissolution or winding up of our affairs; and
- 4 any other specific terms, preferences, rights, limitations or restrictions of the preferred stock.

RANK

Unless we specify otherwise in the applicable prospectus supplement, the preferred stock will rank, with respect to dividends and upon our liquidation, dissolution or winding up:

- 4 senior to all classes or series of our common stock and to all of our equity securities ranking junior to the preferred stock;
- 4 on a parity with all of our equity securities the terms of which specifically provide that the equity securities rank on a parity with the preferred stock; and
- 4 junior to all of our equity securities the terms of which specifically provide that the equity securities rank senior to the preferred stock.

The term "equity securities" does not include convertible debt securities.

TRANSFER AGENT AND REGISTRAR

The transfer agent and registrar for any series or class of preferred stock will be set forth in the applicable prospectus supplement.

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Description of warrants

As of December 31, 2001, we had warrants to purchase 1,381,511 shares of our common stock outstanding (other than options issued under our stock option plans and non-qualified options issued to our employees and consultants outside of our stock option plans). We may issue warrants for the purchase of debt securities, common stock or preferred stock. We may issue warrants independently or together with any other offered securities offered by any prospectus supplement and may be attached to or separate from the other offered securities. Each series of warrants will be issued under a separate warrant agreement to be entered into by us with a warrant agent specified in the applicable prospectus supplement. The warrant agent will act solely as our agent in connection with the series of warrants and will not assume any obligation or relationship of agency or trust for or with any provisions of the warrants. Further terms of the warrants and the applicable warrant agreements will be set forth in the applicable prospectus supplement. The applicable prospectus supplement will describe the terms of the warrants in respect of which this prospectus is being delivered, including, where applicable, the following:

- 4 the title of the warrants;
- 4 the aggregate number of the warrants;
- 4 the price or prices at which the warrants will be issued;
- 4 the designation, terms and number of shares of debt securities, preferred stock or common stock purchasable upon exercise of the warrants;
- 4 the designation and terms of the offered securities, if any, with which the warrants are issued and the number of the warrants issued with each the offered security;
- 4 the date, if any, on and after which the warrants and the related debt securities, preferred stock or common stock will be separately transferable;
- 4 the price at which each share of debt securities, preferred stock or common stock purchasable upon exercise of the warrants may be purchased;
- 4 the date on which the right to exercise the warrants shall commence and expires;
- 4 the minimum or maximum amount of the warrants which may be exercised at any one time;
- 4 information with respect to book-entry procedures, if any;
- 4 a discussion of certain federal income tax considerations;
- 4 any other terms of the warrants, including terms, procedures and limitations relating to the exchange and exercise of the warrants.

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Certain provisions of Delaware law and of the company's charter and bylaws

The following paragraphs summarize certain provisions of the Delaware General Corporation Law and the Company's Charter and Bylaws. The summary does not purport to be complete and is subject to and qualified in its entirety by reference to the DGCL and to the Company's Charter and Bylaws, copies of which are on file with the commission as exhibits to registration statements previously filed by the Company. See [Where You Can Find More Information](#).

Our Certificate of Incorporation and Bylaws contain provisions that, together with the ownership position of the officers, directors and their affiliates, could discourage potential takeover attempts and make it more difficult for stockholders to change management, which could adversely affect the market place of our common stock.

Our Certificate of Incorporation limits the personal liability of our directors to Geron and our stockholders to the fullest extent permitted by the Delaware General Corporation Law, or DGCL. The inclusion of this provision in our Certificate of Incorporation may reduce the likelihood of derivative litigation against directors and may discourage or deter stockholders or management from bringing a lawsuit against directors for breach of their duty of care.

Our Bylaws provide that special meetings of stockholders can be called only by the Board of Directors, the Chairman of the Board of Directors or the Chief Executive Officer. Stockholders are not permitted to call a special meeting and cannot require the Board of Directors to call a special meeting. Any vacancy on the Board of Directors resulting from death, resignation, removal or otherwise or newly created directorships may be filled only by vote of the majority of directors then in office, or by a sole remaining director. Our Bylaws also provide for a classified board. See

[Description of Common Stock](#).

We are subject to the [business combination](#) statute of the DGCL, an anti-takeover law enacted in 1988. In general, Section 203 of the DGCL prohibits a publicly-held Delaware corporation from engaging in a [business combination](#) with an [interested stockholder](#), for a period of three years after the date of the transaction in which a person became an [interested stockholder](#), unless:

- 4 prior to such date the board of directors of the corporation approved either the [business combination](#) or the transaction which resulted in the stockholder becoming an [interested stockholder](#),
- 4 upon consummation of the transaction which resulted in the stockholder becoming an [interested stockholder](#), the [interested stockholder](#) owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding for purposes of determining the number of shares outstanding those shares owned (1) by persons who are directors and also officers and (2) employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer, or
- 4 on or subsequent to such date the [business combination](#) is approved by the board of directors and authorized at an annual or special meeting of stockholders by the affirmative vote of a least 66% of the outstanding voting stock which is not owned by the [interested stockholder](#).

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Certain provisions of Delaware law and of the company s charter and bylaws

A business combination includes mergers, stock or asset sales and other transactions resulting in a financial benefit to the interested stockholders. An interested stockholder is a person who, together with affiliates and associates, owns (or within three years, did own) 15% or more of the corporation s voting stock. Although Section 203 permits us to elect not to be governed by its provisions, we have not made this election. As a result of the application of Section 203, potential acquirers of Geron may be discouraged from attempting to effect an acquisition transaction with us, thereby possibly depriving holders of our securities of certain opportunities to sell or otherwise dispose of such securities at above-market prices pursuant to such transactions.

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Validity of securities

Latham & Watkins, Menlo Park, California, will pass on the validity of the issuance of all securities offered by this prospectus.

If the securities are underwritten, the applicable prospectus supplement will also set forth whether and to what extent, if any, a law firm for the underwriters will pass upon the validity of the shares.

Experts

The consolidated financial statements of Geron Corporation appearing in Geron Corporation's Annual Report (Form 10-K) for the year ended December 31, 2000 have been audited by Ernst & Young LLP, independent auditors, as set forth in their report thereon included therein and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

Limitation on liability and disclosure of Commission position on indemnification for Securities Act liabilities

Our bylaws provide for indemnification of our directors and officers to the fullest extent permitted by law. Insofar as indemnification for liabilities under the Securities Act may be permitted to directors, officers or controlling persons of the Company pursuant to the Company's Certificate of Incorporation, as amended, bylaws and the Delaware General Corporation Law, the Company has been informed that in the opinion of the Commission such indemnification is against public policy as expressed in such Act and is therefore unenforceable.

Where you can find more information

We file annual, quarterly and special reports, proxy statements and other information with the SEC. You may read and copy any document we file at the SEC's public reference room located at 450 Fifth Street, N.W., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference room. Our SEC filings are also available to the public at the SEC's web site at <http://www.sec.gov>. You may also inspect copies of these materials and other information about us at the offices of the Nasdaq Stock Market, Inc., National Market System, 1735 K Street, N.W., Washington, D.C. 20006-1500.

The SEC allows us to incorporate by reference the information we file with them which means that we can disclose important information to you by referring you to those documents instead of having to repeat the information in this prospectus. The information incorporated by reference is considered to be part of this prospectus, and later information that we file with the SEC will automatically update and supersede this information. We incorporate by reference the documents listed below and any future filings made with the SEC under Sections 13(a), 13(c), 14, or 15(d) of the Securities Exchange Act of 1934 between the date of this prospectus and the termination of the offering:

4 Our annual report on Form 10-K for the fiscal year ended December 31, 2000;

4 Our definitive proxy statement filed pursuant to Section 14 of the Exchange Act in connection with our 2001 Annual Meeting of Stockholders;

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4 Our current reports on Form 8-K filed January 31, 2001, July 23, 2001, August 22, 2001, November 5, 2001, November 14, 2001, and January 18, 2002;

4 Our Quarterly Reports on Form 10-Q for the fiscal quarters ended March 31, 2001, June 30, 2001 and September 30, 2001; and

4 The description of our common stock set forth in our registration statement on Form 8-A, filed with the Commission on June 13, 1996 (File No. 0-20859).

This prospectus is part of a registration statement on Form S-3 we have filed with the SEC under the Securities Act. This prospectus does not contain all of the information in the registration statement. We have omitted certain parts of the registration statement, as permitted by the rules and regulations of the SEC. You may inspect and copy the registration statement, including exhibits, at the SEC's public reference room or internet site. Our statements in this prospectus about the contents of any contract or other document are not necessarily complete. You should refer to the copy of each contract or other document we have filed as an exhibit to the registration statement for complete information.

We will furnish without charge to you, on written or oral request, a copy of any or all of the documents incorporated by reference, including exhibits to these documents. You should direct any requests for documents to David L. Greenwood, Chief Financial Officer, Geron Corporation, 230 Constitution Drive, Menlo Park, California 94025, telephone: (650) 473-7700.

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PROSPECTUS

\$150,000,000

Geron Corporation

**Debt Securities, Common Stock,
Preferred Stock and Warrants**

We may from time to time sell any combination of debt securities, preferred stock, common stock and warrants described in this prospectus in one or more offerings. The aggregate initial offering price of all securities sold under this prospectus will not exceed \$150,000,000.

This prospectus provides a general description of the securities we may offer. Each time we sell securities, we will provide specific terms of the securities offered in a supplement to this prospectus. The prospectus supplement may also add, update or change information contained in this prospectus. You should read this prospectus and the applicable prospectus supplement carefully before you invest in any securities. This prospectus may not be used to consummate a sale of securities unless accompanied by the applicable prospectus supplement.

We will sell these securities directly to our stockholders or to purchasers or through agents on our behalf or through underwriters or dealers as designated from time to time. If any agents or underwriters are involved in the sale of any of these securities, the applicable prospectus supplement will provide the names of the agents or underwriters and any applicable fees, commissions or discounts.

Our common stock is traded on the Nasdaq National Market under the symbol GERN. On May 3, 2004, the closing price of our common stock was \$8.52.

Investing in our common stock involves a high degree of risk. See Risk Factors beginning on page 3 for a discussion of material risks that you should consider before you invest in our securities being sold with this prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the accuracy or adequacy of the prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is June 30, 2004.

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About this prospectus

This prospectus is a part of a registration statement that we filed with the Securities and Exchange Commission utilizing a shelf registration process. Under this shelf registration process, we may sell any combination of the securities described in this prospectus in one or more offerings up to a total dollar amount of \$150,000,000. This prospectus provides you with a general description of the securities we may offer. Each time we sell securities under this shelf registration, we will provide a prospectus supplement that will contain specific information about the terms of that offering. The prospectus supplement may also add, update or change information contained in this prospectus. You should read both this prospectus and any prospectus supplement together with additional information described under the next heading Where You Can Find More Information.

We have not authorized any dealer, salesman or other person to give any information or to make any representation other than those contained or incorporated by reference in this prospectus and the accompanying supplement to this prospectus. You must not rely upon any information or representation not contained or incorporated by reference in this prospectus or the accompanying prospectus supplement. This prospectus and the accompanying supplement to this prospectus do not constitute an offer to sell or the solicitation of an offer to buy any securities other than the registered securities to which they relate, nor do this prospectus and the accompanying supplement to this prospectus constitute an offer to sell or the solicitation of an offer to buy securities in any jurisdiction to any person to whom it is unlawful to make such offer or solicitation in such jurisdiction. You should not assume that the information contained in this prospectus and the accompanying prospectus supplement is accurate on any date subsequent to the date set forth on the front of the document or that any information we have incorporated by reference is correct on any date subsequent to the date of the document incorporated by reference, even though this prospectus and any accompanying prospectus supplement is delivered or securities sold on a later date.

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About Geron

We are a biopharmaceutical company focused on developing and commercializing therapeutic and diagnostic products for cancer based on our telomerase technology, and cell-based therapeutics using our human embryonic stem cell technology.

We were incorporated in 1990 under the laws of Delaware. Our principal executive offices are located at 230 Constitution Drive, Menlo Park, California 94025 and our telephone number is (650) 473-7700.

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Risk factors

You should carefully consider the specific risks set forth under the caption "Risk Factors" in the applicable prospectus supplement and under the caption "Additional Factors That May Affect Future Results" under Item 1 of Part I of our Annual Report on Form 10-K for the fiscal year ended December 31, 2003, which are incorporated by reference in this prospectus, before making an investment decision.

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Forward-looking statements

This prospectus and the documents incorporated by reference into this prospectus contain forward-looking statements that are based on current expectations, estimates and projections about our industry, management's beliefs, and assumptions made by management. Words such as anticipates, expects, intends, plans, believes, seeks, variations of such words and similar expressions are intended to identify such forward-looking statements. These statements are not guarantees of future performance and are subject to certain risks, uncertainties and assumptions that are difficult to predict; therefore, actual results may differ materially from those expressed or forecasted in any forward-looking statements. The risks and uncertainties include those noted in Risk Factors above and in the documents incorporated by reference. We undertake no obligation to update publicly any forward-looking statements, whether as a result of new information, future events or otherwise.

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Our earnings are inadequate to cover fixed charges. The following table sets forth the dollar amount of the coverage deficiency. We have not included a ratio of earnings to combined fixed charges and preferred stock dividends because we do not have any preferred stock outstanding.

| | Year ended December 31, | | | | | Three months ended March 31, 2004 |
|---------------------------------------|-------------------------|-----------|-----------|-----------|-----------|---|
| | 1999 | 2000 | 2001 | 2002 | 2003 | |
| Ratio of earnings to fixed changes | N/A | N/A | N/A | N/A | N/A | N/A |
| Coverage deficiency(1) | \$ 41,023 | \$ 33,666 | \$ 41,142 | \$ 33,084 | \$ 29,051 | \$ 51,447 |

(1) All amounts in thousands.

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Use of proceeds

Unless otherwise provided in the applicable prospectus supplement, we intend to use the net proceeds from the sale of the securities under this prospectus for general corporate purposes, which may include funding research and development, increasing our working capital, reducing indebtedness, acquisitions or investments in businesses, products or technologies that are complementary to our own, and capital expenditures. We will set forth in the prospectus supplement our intended use for the net proceeds received from the sale of any securities. Pending the application of the net proceeds, we intend to invest the net proceeds in short-term, investment-grade, interest-bearing securities.

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Plan of distribution

We may sell the securities from time to time pursuant to underwritten public offerings, negotiated transactions, block trades or a combination of these methods. We may sell the securities (1) through underwriters or dealers, (2) through agents and/or (3) directly to one or more purchasers. We may distribute the securities from time to time in one or more transactions:

4 at a fixed price or prices, which may be changed;

4 at market prices prevailing at the time of sale;

4 at prices related to such prevailing market prices; or

4 at negotiated prices.

We may solicit directly offers to purchase the securities being offered by this prospectus. We may also designate agents to solicit offers to purchase the securities from time to time. We will name in a prospectus supplement any agent involved in the offer or sale of our securities.

If we utilize a dealer in the sale of the securities being offered by this prospectus, we will sell the securities to the dealer, as principal. The dealer may then resell the securities to the public at varying prices to be determined by the dealer at the time of resale.

If we utilize an underwriter in the sale of the securities being offered by this prospectus, we will execute an underwriting agreement with the underwriter at the time of sale and we will provide the name of any underwriter in the prospectus supplement that the underwriter will use to make resales of the securities to the public. In connection with the sale of the securities, we, or the purchasers of securities for whom the underwriter may act as agent, may compensate the underwriter in the form of underwriting discounts or commissions. The underwriter may sell the securities to or through dealers, and the underwriter may compensate those dealers in the form of discounts, concessions or commissions.

We will provide in the applicable prospectus supplement any compensation we pay to underwriters, dealers or agents in connection with the offering of the securities, and any discounts, concessions or commissions allowed by underwriters to participating dealers. Underwriters, dealers and agents participating in the distribution of the securities may be deemed to be underwriters within the meaning of the Securities Act of 1933, as amended, and any discounts and commissions received by them and any profit realized by them on resale of the securities may be deemed to be underwriting discounts and commissions. We may enter into agreements to indemnify underwriters, dealers and agents against civil liabilities, including liabilities under the Securities Act, or to contribute to payments they may be required to make in respect thereof.

The securities may or may not be listed on a national securities exchange. To facilitate the offering of securities, certain persons participating in the offering may engage in transactions that stabilize, maintain or otherwise affect the price of the securities. This may include over-allotments or short sales of the securities, which involves the sale by persons participating in the offering of more securities than we sold to them. In these circumstances, these persons would cover such over-allotments or short positions by making purchases in the open market or by exercising their over-allotment option. In addition, these persons may stabilize or maintain the price of the securities by bidding for or purchasing securities in the open market or by imposing penalty bids, whereby selling concessions allowed to dealers participating in the offering may be reclaimed if securities sold by them are repurchased in connection with stabilization transactions. The effect of these transactions may be to stabilize or maintain the market price of the securities at a level above that which might otherwise prevail in the open market. These transactions may be discontinued at any time.

The underwriters, dealers and agents may engage in transactions with us, or perform services for us, in the ordinary course of business.

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Description of debt securities

The debt securities covered by this prospectus will be our convertible senior or subordinated debt securities issued under one or more separate senior or subordinated indentures to be entered into between us and a trustee to be identified in the applicable prospectus supplement. This prospectus, together with its prospectus supplement, will describe all the material terms of a particular series of debt securities.

The following is a summary of the most important provisions and definitions of the indentures. For additional information, you should look at the applicable indenture that is filed as an exhibit to the registration statement which includes the prospectus. The indentures are substantially identical except for the subordination provisions described below under Subordinated Debt Securities. In this description of the debt securities, the words Geron , we , us or o refer only to Geron and not to any of our subsidiaries.

GENERAL

Debt securities may be issued in separate series without limitation as to aggregate principal amount. We may specify a maximum aggregate principal amount for the debt securities of any series.

We are not limited as to the amount of debt securities we may issue under the indentures. The prospectus supplement will set forth:

- 4 whether the debt securities will be senior or subordinated;
- 4 the offering price;
- 4 the title;
- 4 any limit on the aggregate principal amount;
- 4 the person who shall be entitled to receive interest, if other than the record holder on the record date;
- 4 the date the principal will be payable;
- 4 the interest rate, if any, the date interest will accrue, the interest payment dates and the regular record dates;
- 4 the place where payments may be made;
- 4 any mandatory or optional redemption provisions;
- 4 if applicable, the method for determining how the principal, premium, if any, or interest will be calculated by reference to an index or formula;
- 4 if other than U.S. currency, the currency or currency units in which principal, premium, if any, or interest will be payable and whether we or the holder may elect payment to be made in a different currency;
- 4 the portion of the principal amount that will be payable upon acceleration of stated maturity, if other than the entire principal amount;
- 4 if the principal amount payable at stated maturity will not be determinable as of any date prior to stated maturity, the amount which will be deemed to be the principal amount;
- 4 any defeasance provisions if different from those described below under Satisfaction and Discharge; Defeasance;

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Description of debt securities

4 any conversion or exchange provisions;

4 any obligation to redeem or purchase the debt securities pursuant to a sinking fund;

4 whether the debt securities will be issuable in the form of a global security;

4 any subordination provisions, if different from those described below under Subordinated Debt Securities;

4 any deletions of, or changes or additions to, the events of default or covenants; and

4 any other specific terms of such debt securities.

Unless otherwise specified in the prospectus supplement:

4 the debt securities will be registered debt securities; and

4 registered debt securities denominated in U.S. dollars will be issued in denominations of \$1,000 or an integral multiple of \$1,000.

Debt securities may be sold at a substantial discount below their stated principal amount, bearing no interest or interest at a rate which at the time of issuance is below market rates.

EXCHANGE AND TRANSFER

Debt securities may be transferred or exchanged at the office of the security registrar or at the office of any transfer agent designated by us.

We will not impose a service charge for any transfer or exchange, but we may require holders to pay any tax or other governmental charges associated with any transfer or exchange.

In the event of any potential redemption of debt securities of any series, we will not be required to:

4 issue, register the transfer of, or exchange, any debt security of that series during a period beginning at the opening of business 15 days before the day of mailing of a notice of redemption and ending at the close of business on the day of the mailing; or

4 register the transfer of or exchange any debt security of that series selected for redemption, in whole or in part, except the unredeemed portion being redeemed in part.

We may initially appoint the trustee as the security registrar. Any transfer agent, in addition to the security registrar, initially designated by us will be named in the prospectus supplement. We may designate additional transfer agents or change transfer agents or change the office of the transfer agent. However, we will be required to maintain a transfer agent in each place of payment for the debt securities of each series.

GLOBAL SECURITIES

The debt securities of any series may be represented, in whole or in part, by one or more global securities. Each global security will:

4 be registered in the name of a depository that we will identify in a prospectus supplement;

4 be deposited with the depository or nominee or custodian; and

4 bear any required legends.

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Description of debt securities

No global security may be exchanged in whole or in part for debt securities registered in the name of any person other than the depositary or any nominee unless:

4 the depositary has notified us that it is unwilling or unable to continue as depositary or has ceased to be qualified to act as depositary;

4 an event of default is continuing; or

4 any other circumstances described in a prospectus supplement.

As long as the depositary, or its nominee, is the registered owner of a global security, the depositary or nominee will be considered the sole owner and holder of the debt securities represented by the global security for all purposes under the indenture. Except in the above limited circumstances, owners of beneficial interests in a global security:

4 will not be entitled to have the debt securities registered in their names;

4 will not be entitled to physical delivery of certificated debt securities; and

4 will not be considered to be holders of those debt securities under the indentures.

Payments on a global security will be made to the depositary or its nominee as the holder of the global security. Some jurisdictions have laws that require that certain purchasers of securities take physical delivery of such securities in definitive form. These laws may impair the ability to transfer beneficial interests in a global security.

Institutions that have accounts with the depositary or its nominee are referred to as participants. Ownership of beneficial interests in a global security will be limited to participants and to persons that may hold beneficial interests through participants. The depositary will credit, on its book-entry registration and transfer system, the respective principal amounts of debt securities represented by the global security to the accounts of its participants.

Ownership of beneficial interests in a global security will be shown on and effected through records maintained by the depositary, with respect to participants' interests, or any participant, with respect to interests of persons held by participants on their behalf.

Payments, transfers and exchanges relating to beneficial interests in a global security will be subject to policies and procedures of the depositary.

The depositary policies and procedures may change from time to time. Neither we nor the trustee will have any responsibility or liability for the depositary's or any participant's records with respect to beneficial interests in a global security.

PAYMENT AND PAYING AGENT

The provisions of this paragraph will apply to the debt securities unless otherwise indicated in the prospectus supplement. Payment of interest on a debt security on any interest payment date will be made to the person in whose name the debt security is registered at the close of business on the regular record date. Payment on debt securities of a particular series will be payable at the office of a paying agent or paying agents designated by us. However, at our option, we may pay interest by mailing a check to the record holder. The corporate trust office will be designated as our sole paying agent.

We may also name any other paying agents in the prospectus supplement. We may designate additional paying agents, change paying agents or change the office of any paying agent. However, we will be required to maintain a paying agent in each place of payment for the debt securities of a particular series.

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Description of debt securities

All moneys paid by us to a paying agent for payment on any debt security which remain unclaimed at the end of two years after such payment was due will be repaid to us. Thereafter, the holder may look only to us for such payment.

CONSOLIDATION, MERGER AND SALE OF ASSETS

We may not consolidate with or merge into any other person, in a transaction in which we are not the surviving corporation, or convey, transfer or lease our properties and assets substantially as an entirety to, any person, unless:

- 4 the successor, if any, is a U.S. corporation, limited liability company, partnership, trust or other entity;
- 4 the successor assumes our obligations on the debt securities and under the indenture;
- 4 immediately after giving effect to the transaction, no default or event of default shall have occurred and be continuing; and
- 4 certain other conditions are met.

EVENTS OF DEFAULT

Unless we inform you otherwise in the prospectus supplement, the indenture will define an event of default with respect to any series of debt securities as one or more of the following events:

- (1) failure to pay principal of or any premium on any debt security of that series when due;
- (2) failure to pay any interest on any debt security of that series for 30 days when due;
- (3) failure to deposit any sinking fund payment when due;
- (4) failure to perform any other covenant in the indenture continued for 60 days after being given the notice required in the indenture;
- (5) our bankruptcy, insolvency or reorganization; and
- (6) any other event of default specified in the prospectus supplement.

An event of default of one series of debt securities is not necessarily an event of default for any other series of debt securities.

If an event of default, other than an event of default described in clause (5) above, shall occur and be continuing, either the trustee or the holders of at least 25% in aggregate principal amount of the outstanding securities of that series may declare the principal amount of the debt securities of that series to be due and payable immediately. If an event of default described in clause (5) above shall occur, the principal amount of all the debt securities of that series will automatically become immediately due and payable. Any payment by us on the subordinated debt securities following any such acceleration will be subject to the subordination provisions described below under Subordinated Debt Securities.

After acceleration the holders of a majority in aggregate principal amount of the outstanding securities of that series may, under certain circumstances, rescind and annul such acceleration if all events of default, other than the non-payment of accelerated principal, or other specified amount, have been cured or waived.

Other than the duty to act with the required care during an event of default, the trustee will not be obligated to exercise any of its rights or powers at the request of the holders unless the holders shall

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Description of debt securities

have offered to the trustee reasonable indemnity. Generally, the holders of a majority in aggregate principal amount of the outstanding debt securities of any series will have the right to direct the time, method and place of conducting any proceeding for any remedy available to the trustee or exercising any trust or power conferred on the trustee.

A holder will not have any right to institute any proceeding under the indentures, or for the appointment of a receiver or a trustee, or for any other remedy under the indentures, unless:

- (1) the holder has previously given to the trustee written notice of a continuing event of default with respect to the debt securities of that series;
- (2) the holders of at least 25% in aggregate principal amount of the outstanding debt securities of that series have made a written request and have offered reasonable indemnity to the trustee to institute the proceeding; and
- (3) the trustee has failed to institute the proceeding and has not received direction inconsistent with the original request from the holders of a majority in aggregate principal amount of the outstanding debt securities of that series within 60 days after the original request.

Holders may, however, sue to enforce the payment of principal, premium or interest on any debt security on or after the due date or to enforce the right, if any, to convert any debt security without following the procedures listed in (1) through (3) above.

We will furnish the trustee an annual statement by our officers as to whether or not we are in default in the performance of the indenture and, if so, specifying all known defaults.

MODIFICATION AND WAIVER

We and the trustee may make modifications and amendments to the indentures with the consent of the holders of a majority in aggregate principal amount of the outstanding securities of each series affected by the modification or amendment.

However, neither we nor the trustee may make any modification or amendment without the consent of the holder of each outstanding security of that series affected by the modification or amendment if such modification or amendment would:

- 4 change the stated maturity of any debt security;
- 4 reduce the principal, premium, if any, or interest on any debt security;
- 4 reduce the principal of an original issue discount security or any other debt security payable on acceleration of maturity;
- 4 reduce the rate of interest on any debt security;
- 4 change the currency in which any debt security is payable;
- 4 impair the right to enforce any payment after the stated maturity or redemption date;
- 4 waive any default or event of default in payment of the principal of, premium or interest on any debt security;
- 4 waive a redemption payment or modify any of the redemption provisions of any debt security;
- 4 adversely affect the right to convert any debt security; or

4 change the provisions in the indenture that relate to modifying or amending the indenture.

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Description of debt securities

SATISFACTION AND DISCHARGE; DEFEASANCE

We may be discharged from our obligations on the debt securities of any series that have matured or will mature or be redeemed within one year if we deposit with the trustee enough cash to pay all the principal, interest and any premium due to the stated maturity date or redemption date of the debt securities. Each indenture contains a provision that permits us to elect:

- 4 to be discharged from all of our obligations, subject to limited exceptions, with respect to any series of debt securities then outstanding; and/or
- 4 to be released from our obligations under the following covenants and from the consequences of an event of default resulting from a breach of these covenants:
 - (1) the subordination provisions under the subordinated indenture; and
 - (2) covenants as to payment of taxes and maintenance of corporate existence.

To make either of the above elections, we must deposit in trust with the trustee enough money to pay in full the principal, interest and premium on the debt securities. This amount may be made in cash and/or U.S. government obligations. As a condition to either of the above elections, we must deliver to the trustee an opinion of counsel that the holders of the debt securities will not recognize income, gain or loss for Federal income tax purposes as a result of the action.

If any of the above events occurs, the holders of the debt securities of the series will not be entitled to the benefits of the indenture, except for the rights of holders to receive payments on debt securities or the registration of transfer and exchange of debt securities and replacement of lost, stolen or mutilated debt securities.

NOTICES

Notices to holders will be given by mail to the addresses of the holders in the security register.

GOVERNING LAW

The indentures and the debt securities will be governed by, and construed under, the law of the State of New York.

REGARDING THE TRUSTEE

The indenture limits the right of the trustee, should it become a creditor of us, to obtain payment of claims or secure its claims.

The trustee is permitted to engage in certain other transactions. However, if the trustee, acquires any conflicting interest, and there is a default under the debt securities of any series for which they are trustee, the trustee must eliminate the conflict or resign.

SUBORDINATED DEBT SECURITIES

Payment on the subordinated debt securities will, to the extent provided in the indenture, be subordinated in right of payment to the prior payment in full of all of our senior indebtedness. The subordinated debt securities also are effectively subordinated to all debt and other liabilities, including trade payables and lease obligations, if any, of our subsidiaries.

Upon any distribution of our assets upon any dissolution, winding up, liquidation or reorganization, the payment of the principal of and interest on the subordinated debt securities will be subordinated in right of payment to the prior payment in full in cash or other payment satisfactory to the holders of

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Description of debt securities

senior indebtedness of all senior indebtedness. In the event of any acceleration of the subordinated debt securities because of an event of default, the holders of any senior indebtedness would be entitled to payment in full in cash or other payment satisfactory to such holders of all senior indebtedness obligations before the holders of the subordinated debt securities are entitled to receive any payment or distribution. The indenture requires us or the trustee to promptly notify holders of designated senior indebtedness if payment of the subordinated debt securities is accelerated because of an event of default.

We may not make any payment on the subordinated debt securities, including upon redemption at the option of the holder of any subordinated debt securities or at our option, if:

- 4 a default in the payment of the principal, premium, if any, interest, rent or other obligations in respect of designated senior indebtedness occurs and is continuing beyond any applicable period of grace (called a payment default); or
- 4 a default other than a payment default on any designated senior indebtedness occurs and is continuing that permits holders of designated senior indebtedness to accelerate its maturity, and the trustee receives a notice of such default (called a payment blockage notice) from us or any other person permitted to give such notice under the indenture (called a non-payment default).

We may resume payments and distributions on the subordinated debt securities:

- 4 in the case of a payment default, upon the date on which such default is cured or waived or ceases to exist; and
- 4 in the case of a non-payment default, the earlier of the date on which such nonpayment default is cured or waived or ceases to exist and 179 days after the date on which the payment blockage notice is received by the trustee, if the maturity of the designated senior indebtedness has not been accelerated.

No new period of payment blockage may be commenced pursuant to a payment blockage notice unless 365 days have elapsed since the initial effectiveness of the immediately prior payment blockage notice and all scheduled payments of principal, premium and interest, including any liquidated damages, on the notes that have come due have been paid in full in cash. No non-payment default that existed or was continuing on the date of delivery of any payment blockage notice shall be the basis for any later payment blockage notice unless the non-payment default is based upon facts or events arising after the date of delivery of such payment blockage notice.

If the trustee or any holder of the notes receives any payment or distribution of our assets in contravention of the subordination provisions on the subordinated debt securities before all senior indebtedness is paid in full in cash, property or securities, including by way of set-off, or other payment satisfactory to holders of senior indebtedness, then such payment or distribution will be held in trust for the benefit of holders of senior indebtedness or their representatives to the extent necessary to make payment in full in cash or payment satisfactory to the holders of senior indebtedness of all unpaid senior indebtedness.

In the event of our bankruptcy, dissolution or reorganization, holders of senior indebtedness may receive more, ratably, and holders of the subordinated debt securities may receive less, ratably, than our other creditors (including our trade creditors). This subordination will not prevent the occurrence of any event of default under the indenture. As of March 31, 2004, \$326,000 senior indebtedness was outstanding. We are not prohibited from incurring debt, including senior indebtedness, under the indenture. We may from time to time incur additional debt, including senior indebtedness.

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Description of debt securities

We are obligated to pay reasonable compensation to the trustee and to indemnify the trustee against certain losses, liabilities or expenses incurred by the trustee in connection with its duties relating to the subordinated debt securities. The trustee's claims for these payments will generally be senior to those of noteholders in respect of all funds collected or held by the trustee.

CERTAIN DEFINITIONS

indebtedness means:

(1) all indebtedness, obligations and other liabilities for borrowed money, including overdrafts, foreign exchange contracts, currency exchange agreements, interest rate protection agreements, and any loans or advances from banks, or evidenced by bonds, debentures, notes or similar instruments, other than any account payable or other accrued current liability or obligation incurred in the ordinary course of business in connection with the obtaining of materials or services;

(2) all reimbursement obligations and other liabilities with respect to letters of credit, bank guarantees or bankers' acceptances;

(3) all obligations and liabilities in respect of leases required in conformity with generally accepted accounting principles to be accounted for as capitalized lease obligations on our balance sheet;

(4) all obligations and other liabilities under any lease or related document in connection with the lease of real property which provides that we are contractually obligated to purchase or cause a third party to purchase the leased property and thereby guarantee a minimum residual value of the leased property to the lessor and our obligations under the lease or related document to purchase or to cause a third party to purchase the leased property;

(5) all obligations with respect to an interest rate or other swap, cap or collar agreement or other similar instrument or agreement or foreign currency hedge, exchange, purchase agreement or other similar instrument or agreement;

(6) all direct or indirect guaranties or similar agreements in respect of, and our obligations or liabilities to purchase, acquire or otherwise assure a creditor against loss in respect of, indebtedness, obligations or liabilities of others of the type described in (1) through (5) above;

(7) any indebtedness or other obligations described in (1) through (6) above secured by any mortgage, pledge, lien or other encumbrance existing on property which is owned or held by us; and

(8) any and all refinancings, replacements, deferrals, renewals, extensions and refundings of, or amendments, modifications or supplements to, any indebtedness, obligation or liability of the kind described in clauses (1) through (7) above.

senior indebtedness means the principal, premium, if any, interest, including any interest accruing after bankruptcy, and rent or termination payment on or other amounts due on our current or future indebtedness, whether created, incurred, assumed, guaranteed or in effect guaranteed by us, including any deferrals, renewals, extensions, refundings, amendments, modifications or supplements to the above. However, senior indebtedness does not include:

4 indebtedness that expressly provides that it shall not be senior in right of payment to the subordinated debt securities or expressly provides that it is on the same basis or junior to the subordinated debt securities;

4 our indebtedness to any of our majority-owned subsidiaries; and

4 the subordinated debt securities.

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Description of common stock

The following summary of the terms of our common stock does not purport to be complete and is subject to and qualified in its entirety by reference to our Charter and Bylaws, copies of which are on file with the Commission as exhibits to registration statements previously filed by us. See Where You Can Find More Information.

We have authority to issue 100,000,000 shares of common stock, \$0.001 par value per share. As of May 3, 2004, we had 45,255,063 shares of common stock outstanding.

The holders of our common stock are entitled to one vote per share on all matters to be voted upon by the stockholders. Subject to preferences that may be applicable to any outstanding shares of our preferred stock, the holders of common stock are entitled to receive ratably such dividends, if any, as may be declared from time to time by our board of directors out of funds legally available for that purpose. In the event of a liquidation, dissolution or winding up of the Company, the holders of our common stock are entitled to share ratably in all assets remaining after payment of liabilities, subject to preferences applicable to shares of our preferred stock, if any, then outstanding. The common stock has no preemptive or conversion rights or other subscription rights. There are no redemption or sinking fund provisions available to the common stock. All outstanding shares of our common stock are, and the shares of common stock offered by this prospectus will be, fully paid and nonassessable.

TRANSFER AGENT AND REGISTRAR

The transfer agent and registrar for the common stock is U.S. Stock Transfer Corporation.

SHARE PURCHASE RIGHTS PLAN

On July 20, 2001, our board of directors adopted a share purchase rights plan and declared a dividend distribution of one right for each outstanding share of common stock to stockholders of record as of July 31, 2001. Each right entitles the holder to purchase one unit consisting of one one-thousandth of a share of Series A Junior Participating Preferred Stock for \$100 per unit. Under certain circumstances, if a person or group acquires 15% or more of our outstanding common stock, holders of the rights (other than the person or group triggering their exercise) will be able to purchase, in exchange for the \$100 exercise price, shares of our common stock, par value \$0.001 per share, or of any company into which Geron is merged having a value of \$200. The rights expire on July 31, 2011 unless extended by our board of directors.

CLASSIFIED BOARD OF DIRECTORS

The certificate of incorporation provides for the board of directors to be divided into three classes of directors, with each class as nearly equal in number as possible, serving staggered three-year terms. As a result, approximately one-third of the board of directors will be elected each year. The classified board provision will help to assure the continuity and stability of the board of directors and the business strategies and policies of Geron as determined by the board of directors. The classified board provision could have the effect of discouraging a third party from making a tender offer or attempting to obtain control of us. In addition, the classified board provision could delay stockholders who do not agree with the policies of the board of directors from removing a majority of the board of directors for two years.

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Description of preferred stock

We have authority to issue 3,000,000 shares of preferred stock, \$0.001 par value per share, 50,000 shares of which have been designated Series A Junior Participating Preferred Stock, \$0.001 par value per share, and reserved for issuance under the share purchase rights plan adopted on July 20, 2001. As of May 3, 2004, we had no shares of preferred stock outstanding.

GENERAL

Under our Certificate of Incorporation, our board of directors is authorized generally without stockholder approval to issue shares of preferred stock from time to time, in one or more classes or series. Prior to the issuance of shares of each series, the board of directors is required by the Delaware General Corporation Law and our Certificate of Incorporation to adopt resolutions and file a certificate of designation with the Secretary of State of the State of Delaware. The certificate of designation fixes for each class or series the designations, powers, preferences, rights, qualifications, limitations and restrictions, including, but not limited to, the following:

- 4 the number of shares constituting each class or series;
- 4 voting rights;
- 4 rights and terms of redemption (including sinking fund provisions);
- 4 dividend rights and rates;
- 4 dissolution;
- 4 terms concerning the distribution of assets;
- 4 conversion or exchange terms;
- 4 redemption prices; and
- 4 liquidation preferences.

All shares of preferred stock offered hereby will, when issued, be fully paid and nonassessable and will not have any preemptive or similar rights. Our board of directors could authorize the issuance of shares of preferred stock with terms and conditions which could have the effect of discouraging a takeover or other transaction that might involve a premium price for holders of the shares or which holders might believe to be in their best interests.

We will set forth in a prospectus supplement relating to the class or series of preferred stock being offered the following terms:

- 4 the title and stated value of the preferred stock;
- 4 the number of shares of the preferred stock offered, the liquidation preference per share and the offering price of the preferred stock;
- 4 the dividend rate(s), period(s) and/or payment date(s) or method(s) of calculation applicable to the preferred stock;
- 4 whether dividends are cumulative or non-cumulative and, if cumulative, the date from which dividends on the preferred stock will accumulate;
- 4 the procedures for any auction and remarketing, if any, for the preferred stock;

4 the provisions for a sinking fund, if any, for the preferred stock;

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Description of preferred stock

- 4 the provision for redemption, if applicable, of the preferred stock;
- 4 any listing of the preferred stock on any securities exchange;
- 4 the terms and conditions, if applicable, upon which the preferred stock will be convertible into common stock, including the conversion price (or manner of calculation) and conversion period;
- 4 voting rights, if any, of the preferred stock;
- 4 whether interests in the preferred stock will be represented by depositary shares;
- 4 a discussion of any material and/or special United States Federal income tax considerations applicable to the preferred stock;
- 4 the relative ranking and preferences of the preferred stock as to dividend rights and rights upon the liquidation, dissolution or winding up of our affairs;
- 4 any limitations on issuance of any class or series of preferred stock ranking senior to or on a parity with the class or series of preferred stock as to dividend rights and rights upon liquidation, dissolution or winding up of our affairs; and
- 4 any other specific terms, preferences, rights, limitations or restrictions of the preferred stock.

RANK

Unless we specify otherwise in the applicable prospectus supplement, the preferred stock will rank, with respect to dividends and upon our liquidation, dissolution or winding up:

- 4 senior to all classes or series of our common stock and to all of our equity securities ranking junior to the preferred stock;
- 4 on a parity with all of our equity securities the terms of which specifically provide that the equity securities rank on a parity with the preferred stock; and
- 4 junior to all of our equity securities the terms of which specifically provide that the equity securities rank senior to the preferred stock.

The term "equity securities" does not include convertible debt securities.

TRANSFER AGENT AND REGISTRAR

The transfer agent and registrar for any series or class of preferred stock will be set forth in the applicable prospectus supplement.

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Description of warrants

We may issue warrants for the purchase of debt securities, common stock or preferred stock. We may issue warrants independently or together with any other securities offered by any prospectus supplement and may be attached to or separate from the other offered securities. Each series of warrants will be issued under a separate warrant agreement to be entered into by us with a warrant agent. The warrant agent will act solely as our agent in connection with the series of warrants and will not assume any obligation or relationship of agency or trust for or with any holders or beneficial owners of the warrants. Further terms of the warrants and the applicable warrant agreements will be set forth in the applicable prospectus supplement.

The applicable prospectus supplement will describe the terms of the warrants in respect of which this prospectus is being delivered, including, where applicable, the following:

- 4 the title of the warrants;
- 4 the aggregate number of the warrants;
- 4 the price or prices at which the warrants will be issued;
- 4 the designation, terms and number of shares of debt securities, preferred stock or common stock purchasable upon exercise of the warrants;
- 4 the designation and terms of the offered securities, if any, with which the warrants are issued and the number of the warrants issued with each offered security;
- 4 the date, if any, on and after which the warrants and the related debt securities, preferred stock or common stock will be separately transferable;
- 4 the price at which each share of debt securities, preferred stock or common stock purchasable upon exercise of the warrants may be purchased;
- 4 the date on which the right to exercise the warrants shall commence and the date on which that right shall expire;
- 4 the minimum or maximum amount of the warrants which may be exercised at any one time;
- 4 information with respect to book-entry procedures, if any;
- 4 a discussion of certain federal income tax considerations; and
- 4 any other terms of the warrants, including terms, procedures and limitations relating to the exchange and exercise of the warrants.

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Certain provisions of Delaware law and of the company’s charter and bylaws

The following paragraphs summarize certain provisions of the Delaware General Corporation Law, or DGCL, and the Company’s Charter and Bylaws. The summary does not purport to be complete and is subject to and qualified in its entirety by reference to the DGCL and to the Company’s Charter and Bylaws, copies of which are on file with the Commission as exhibits to registration statements previously filed by the Company. See Where You Can Find More Information.

Our Certificate of Incorporation and Bylaws contain provisions that, together with the ownership position of the officers, directors and their affiliates, could discourage potential takeover attempts and make it more difficult for stockholders to change management, which could adversely affect the market place of our common stock.

Our Certificate of Incorporation limits the personal liability of our directors to Geron and our stockholders to the fullest extent permitted by the DGCL. The inclusion of this provision in our Certificate of Incorporation may reduce the likelihood of derivative litigation against directors and may discourage or deter stockholders or management from bringing a lawsuit against directors for breach of their duty of care.

Our Bylaws provide that special meetings of stockholders can be called only by the board of directors, the Chairman of the board of directors or the Chief Executive Officer. Stockholders are not permitted to call a special meeting and cannot require the board of directors to call a special meeting. Any vacancy on the board of directors resulting from death, resignation, removal or otherwise or newly created directorships may be filled only by vote of the majority of directors then in office, or by a sole remaining director. Our Bylaws also provide for a classified board. See

Description of Common Stock.

We are subject to the business combination statute of the DGCL, an anti-takeover law enacted in 1988. In general, Section 203 of the DGCL prohibits a publicly-held Delaware corporation from engaging in a business combination with an interested stockholder, for a period of three years after the date of the transaction in which a person became an interested stockholder, unless:

- 4 prior to such date the board of directors of the corporation approved either the business combination or the transaction which resulted in the stockholder becoming an interested stockholder;
- 4 upon consummation of the transaction which resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding for purposes of determining the number of shares outstanding those shares owned (1) by persons who are directors and also officers and (2) employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer; or
- 4 on or subsequent to such date the business combination is approved by the board of directors and authorized at an annual or special meeting of stockholders by the affirmative vote of a least 66% of the outstanding voting stock which is not owned by the interested stockholder.

A business combination includes mergers, stock or asset sales and other transactions resulting in a financial benefit to the interested stockholders. An interested stockholder is a person who, together with affiliates and associates, owns (or within three years, did own) 15% or more of the corporation’s voting stock. Although Section 203 permits us to elect not to be governed by its provisions, we have not made this election. As a result of the application of Section 203, potential acquirers of Geron may be discouraged from attempting to effect an acquisition transaction with us, thereby possibly depriving holders of our securities of certain opportunities to sell or otherwise dispose of such securities at above-market prices pursuant to such transactions.

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Legal matters

Latham & Watkins LLP, Menlo Park, California, will issue an opinion about certain legal matters with respect to the securities.

Experts

The consolidated financial statements of Geron Corporation appearing in Geron Corporation's Annual Report (Form 10-K) for the year ended December 31, 2003 have been audited by Ernst & Young LLP, independent auditors, as set forth in their report thereon included therein and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

Limitation on liability and disclosure of Commission position on indemnification for Securities Act liabilities
Our Bylaws provide for indemnification of our directors and officers to the fullest extent permitted by law. Insofar as indemnification for liabilities under the Securities Act may be permitted to directors, officers or controlling persons of the Company pursuant to the Company's Certificate of Incorporation, as amended, Bylaws and the DGCL, the Company has been informed that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

Where you can find more information

We file annual, quarterly and special reports, proxy statements and other information with the Commission. You may read and copy any document we file at the Commission's public reference room located at 450 Fifth Street, N.W., Washington, D.C. 20549. Please call the Commission at 1-800-SEC-0330 for further information on the public reference room. Our SEC filings are also available to the public at the Commission's web site at <http://www.sec.gov>. You may also inspect copies of these materials and other information about us at the offices of the Nasdaq Stock Market, Inc., National Market System, 1735 K Street, N.W., Washington, D.C. 20006-1500.

The Commission allows us to incorporate by reference the information we file with them which means that we can disclose important information to you by referring you to those documents instead of having to repeat the information in this prospectus. The information incorporated by reference is considered to be part of this prospectus, and later information that we file with the Commission will automatically update and supersede this information. We incorporate by reference the documents listed below and any future filings made with the Commission under Sections 13(a), 13(c), 14, or 15(d) of the Exchange Act between the date of this prospectus and the termination of the offering:

- 4 Our annual report on Form 10-K for the fiscal year ended December 31, 2003;
- 4 Our current reports on Form 8-K filed on March 10, 2004 and April 28, 2004;
- 4 Our definitive proxy statement filed pursuant to Section 14 of the Exchange Act in connection with our 2004 Annual Meeting of Stockholders filed on April 6, 2004;
- 4 Our quarterly report on Form 10-Q for the three months ended March 31, 2004; and
- 4 The description of our common stock set forth in our registration statement on Form 8-A, filed with the Commission on June 13, 1996 (File No. 0-20859).

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This prospectus is part of a registration statement on Form S-3 we have filed with the Commission under the Securities Act. This prospectus does not contain all of the information in the registration statement. We have omitted certain parts of the registration statement, as permitted by the rules and regulations of the Commission. You may inspect and copy the registration statement, including exhibits, at the Commission's public reference room or internet site. Our statements in this prospectus about the contents of any contract or other document are not necessarily complete. You should refer to the copy of each contract or other document we have filed as an exhibit to the registration statement for complete information.

We will furnish without charge to you, on written or oral request, a copy of any or all of the documents incorporated by reference, including exhibits to these documents. You should direct any requests for documents to David L. Greenwood, Chief Financial Officer, Geron Corporation, 230 Constitution Drive, Menlo Park, California 94025, telephone: (650) 473-7700.

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