

NephroGenex, Inc.
 Form 4
 May 16, 2014

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Peterson Bob

(Last) (First) (Middle)

C/O NEPHROGENEX, INC., 79
 T.W. ALEXANDER DRIVE

(Street)

RESEARCH TRIANGLE
 PARK, NC 27709

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 NephroGenex, Inc. [NRX]

3. Date of Earliest Transaction
 (Month/Day/Year)
 05/15/2014

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 ___X___ Officer (give title below) ___ Other (specify below)

VP of Prod. Dev. & Reg Aff's.

6. Individual or Joint/Group Filing(Check Applicable Line)

___X___ Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)		
				(A) or (D)	Code	V	Amount	(D)	Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transaction	5. Number of Derivative	6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Securities
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Security (Instr. 3)	or Exercise Price of Derivative Security	any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)	(Instr. 3 and 4)				
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Options to Purchase Common Stock	\$ 11.9	05/15/2014 ⁽¹⁾	A		11,538		⁽²⁾	02/13/2024	Common Stock	11,538

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Peterson Bob C/O NEPHROGENEX, INC. 79 T.W. ALEXANDER DRIVE RESEARCH TRIANGLE PARK, NC 27709			VP of Prod. Dev. & Reg Aff's.	

Signatures

/s/ Pierre Legault, as attorney-in-fact 05/16/2014

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
 - ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- The option grant was approved by NephroGenex, Inc.'s board of directors on February 14, 2014, subject to shareholder approval of an
- (1) amendment to the stock option plan under which the option was granted. NephroGenex, Inc.'s shareholders approved the amended plan on May 15, 2014.
 - (2) 25% of the option vests on February 14, 2015 and 2.0833% of the option will vest on a monthly basis in each of the following 36 months thereafter.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.