

Pasternack Bruce A  
 Form 3  
 April 21, 2010

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 *			2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
PASTERNACK BRUCE A			(Month/Day/Year)	CODEXIS INC [CDXS]	
(Last)	(First)	(Middle)	04/21/2010	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
C/O CODEXIS, INC., 200				(Check all applicable)	
PENOBSCOT DRIVE				<input checked="" type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
(Street)				<input type="checkbox"/> Officer	<input type="checkbox"/> Other
REDWOOD				(give title below) (specify below)	
CITY, CA 94063				6. Individual or Joint/Group Filing(Check Applicable Line)	
(City)	(State)	(Zip)		<input checked="" type="checkbox"/> Form filed by One Reporting Person	
				<input type="checkbox"/> Form filed by More than One Reporting Person	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable      Expiration Date	Title      Amount or Number of Shares			

(Instr. 5)

Stock Option (right to buy)	Â (1)	08/28/2017	Common Stock	16,666 (2)	\$ 6.71 (2)	D	Â
Stock Option (right to buy)	Â (3)	01/29/2018	Common Stock	16,666 (2)	\$ 10.5 (2)	D	Â
Stock Option (right to buy)	Â (4)	06/02/2019	Common Stock	16,666 (2)	\$ 7.46 (2)	D	Â
Stock Option (right to buy)	Â (5)	02/11/2020	Common Stock	16,666 (2)	\$ 10.92 (2)	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Pasternack Bruce A C/O CODEXIS, INC. 200 PENOBSCOT DRIVE REDWOOD CITY, CA 94063	Â X	Â	Â	Â

## Signatures

/s/ Bruce A.  
Pasternack

04/21/2010

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 5(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).

(1) 100% of the shares subject to the option are immediately exercisable. However, all unvested shares of common stock underlying the option are subject to a right of repurchase held by the Issuer, which right of repurchase will lapse as the shares vest according to the following schedule: 25% of the shares subject thereto vest on August 28, 2008, with 1/48th of the shares vesting monthly thereafter, such that the option will be fully vested on August 28, 2011.

(2) Reflects a 2-for-3 reverse stock split of the Issuer's outstanding securities effected immediately prior to the effectiveness of the Issuer's S-1 Registration Statement (Commission File No. 333-164044).

(3) 100% of the shares subject to the option are immediately exercisable. However, all unvested shares of common stock underlying the option are subject to a right of repurchase held by the Issuer, which right of repurchase will lapse as the shares vest according to the following schedule: 25% of the shares subject thereto vest on January 1, 2009, with 1/48th of the shares vesting monthly thereafter, such that the option will be fully vested on January 1, 2012.

(4) 100% of the shares subject to the option are immediately exercisable. However, all unvested shares of common stock underlying the option are subject to a right of repurchase held by the Issuer, which right of repurchase will lapse as the shares vest according to the following schedule: 25% of the shares subject thereto vest on January 1, 2010, with 1/48th of the shares vesting monthly thereafter, such that the option will be fully vested on January 1, 2013.

(5) 100% of the shares subject to the option are immediately exercisable. However, all unvested shares of common stock underlying the option are subject to a right of repurchase held by the Issuer, which right of repurchase will lapse as the shares vest according to the following schedule: 25% of the shares subject thereto vest on January 1, 2011, with 1/48th of the shares vesting monthly thereafter, such that the option will be fully vested on January 1, 2014.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

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