

Solexa, Inc.
Form 4/A
February 01, 2007

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 *
Rubinstein Linda M

(Last) (First) (Middle)
C/O SOLEXA, INC., 25861 INDUSTRIAL BLVD.
(Street)

HAYWARD, CA 94545

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Solexa, Inc. [SLXA]

3. Date of Earliest Transaction
(Month/Day/Year)
01/26/2007

4. If Amendment, Date Original Filed(Month/Day/Year)
01/30/2007

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
X Officer (give title below) ___ Other (specify below)
VP and CFO

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 Following 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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SEC 1474
(9-02)

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

1. Title of Derivative Security	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. D
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 6.11	01/26/2007		D			82,250		(1)	06/03/2015	Common Stock	82,250
Stock Option (Right to Buy)	\$ 5.97	01/26/2007		D			17,188		(2)	09/06/2015	Common Stock	17,188
Stock Option (Right to Buy)	\$ 8.6	01/26/2007		D			59,375		(3)	02/02/2016	Common Stock	59,375

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Rubinstein Linda M C/O SOLEXA, INC. 25861 INDUSTRIAL BLVD. HAYWARD, CA 94545			VP and CFO	

Signatures

/s/ Linda M. Rubinstein, by Kathy San Roman,
attorney-in-fact 02/01/2007

**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).
- (1) This option, which provided for vesting monthly and ratably over the 48 month period beginning on March 22, 2005, was assumed by Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 28,294 shares at an exercise price of \$17.76 per share. In connection with the closing of the merger on January 26, 2007, the vesting and exercisability of this option was accelerated by 2 years as provided in the employment agreement between the Issuer and the Reporting Person.
- (2) This option, which provided for vesting monthly and ratably over the 48 month period beginning on September 6, 2005, was assumed by Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 5,913 shares at an exercise price of \$17.35 per share. In connection with the closing of the merger on January 26, 2007, the vesting and exercisability of this option was accelerated by 2 years as provided in the employment agreement between the Issuer and the Reporting Person.
- (3)

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This option, which provided for vesting monthly and ratably over the 48 month period beginning on February 2, 2006, was assumed by Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 20,426 shares at an exercise price of \$25.00 per share. In connection with the closing of the merger on January 26, 2007, the vesting and exercisability of this option was accelerated by 2 years as provided in the employment agreement between the Issuer and the Reporting Person.

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.