

Solexa, Inc.
Form 4
January 30, 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 *
Smith Tony

(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)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
VP & Chief Scientific Officer

6. Individual or Joint/Group Filing(Check Applicable Line)
 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)	\$ 4.27	01/26/2007			D		44,318		<u>(1)</u>	05/22/2012	Common Stock	44,318
Stock Option (Right to Buy)	\$ 1.75	01/26/2007			D		8,863		<u>(2)</u>	05/19/2013	Common Stock	8,863
Stock Option (Right to Buy)	\$ 1.28	01/26/2007			D		10,651		<u>(3)</u>	09/10/2014	Common Stock	10,651
Stock Option (Right to Buy)	\$ 1.28	01/26/2007			D		16,639		<u>(4)</u>	09/27/2014	Common Stock	16,639
Stock Option (Right to Buy)	\$ 1.28	01/26/2007			D		4,088		<u>(5)</u>	09/27/2014	Common Stock	4,088
Stock Option (Right to Buy)	\$ 1.28	01/26/2007			D		4,088		<u>(6)</u>	09/27/2014	Common Stock	4,088
Stock Option (Right to Buy)	\$ 5.97	01/26/2007			D		88,000		<u>(7)</u>	09/06/2015	Common Stock	88,000
Stock Option (Right to Buy)	\$ 8.6	01/26/2007			D		75,000		<u>(8)</u>	02/02/2016	Common Stock	75,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other

Smith Tony
C/O SOLEXA, INC.
25861 INDUSTRIAL BLVD.
HAYWARD, CA 94545

VP & Chief Scientific Officer

Signatures

/s/ Tony Smith, by Kathy San Roman,
attorney-in-fact

01/29/2007

__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 of 25% on January 28, 2003 and monthly thereafter over 36 months, was assumed by Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 15,245 shares at an exercise price of \$12.41 per share.

(2) This option, which provided for vesting of 25% on December 3, 2003 and monthly thereafter over 36 months, was assumed by Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 3,048 shares at an exercise price of \$5.09 per share.

(3) This option, which provided for vesting of 25% on September 10, 2005 and monthly thereafter over 36 months, was assumed by Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 3,663 shares at an exercise price of \$3.72 per share.

(4) This option, which provided for vesting of 25% on September 10, 2005 and monthly thereafter over 36 months, was assumed by Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 5,723 shares at an exercise price of \$3.72 per share.

(5) This option, which provided for vesting of 25% on June 1, 2005 and monthly thereafter over 36 months, was assumed by Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 1,406 shares at an exercise price of \$3.72 per share.

(6) This option, which provided for vesting of 25% on April 1, 2005 and monthly thereafter over 36 months, was assumed by Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 1,406 shares at an exercise price of \$3.72 per share.

(7) 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 30,272 shares at an exercise price of \$17.35 per share.

(8) 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 25,800 shares at an exercise price of \$25.00 per share.

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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