

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>KIM DENNIS D</u> (Last) (First) (Middle) <u>C/O ZAFGEN, INC.,</u> <u>ONE BROADWAY, 8TH FLOOR</u> (Street) <u>CAMBRIDGE MA 02142</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>06/18/2014</u>	3. Issuer Name and Ticker or Trading Symbol <u>ZAFGEN, INC. [ZFGN]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) _____ <u>Chief Medical Officer</u>	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <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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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: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Stock Option (Right to Buy)	(1)	10/10/2021	Common Stock	143,312	1.57	D
Stock Option (Right to Buy)	(2)	06/12/2023	Common Stock	48,197	2.45	D

Explanation of Responses:

- 1. 25% of this option vested on September 5, 2012, and the remainder vests in equal monthly installments thereafter over 36 months.
- 2. 25% of this option vested on December 19, 2013, and the remainder vests in equal monthly installments thereafter over 36 months.

Remarks:

/s/ Dennis D. Kim 06/18/2014

** Signature of Reporting Person Date

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

* 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).

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.