

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* <u>McDonough Cameron Geoffrey</u>  (Last) (First) (Middle) <u>C/O ZAFGEN, INC.,</u> <u>175 PORTLAND STREET</u>  (Street) <u>BOSTON MA 02114</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ZAFGEN, INC. [ ZFGN ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>04/01/2016</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

**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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	04/01/2016		D <sup>(1)(2)</sup>		4,424	D	\$7.91	0 <sup>(1)(2)</sup>	D	

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Option (Right to Buy)	\$7.91 <sup>(1)(2)</sup>	04/01/2016		A		6,100		<sup>(1)(2)</sup>	04/01/2026	Common Stock	6,100	<sup>(1)(2)</sup>	6,100	D	

**Explanation of Responses:**

1. In a Form 4 filed on January 27, 2016, a grant of 4,424 shares of common stock on January 25, 2016 (the "Original Grant") was reported on behalf of the Reporting Person in lieu of cash fees under the Non-Employee Director Compensation Policy (the "Policy") pursuant to a Restricted Stock Agreement at a price equal to \$7.91 per share, the market price of the stock on the grant date (the "Original Price"), subject to vest over a period of one year starting January 1, 2016 on a quarterly basis in arrears. It was recently determined that the Original Grant was made owing to an administrative error, since the Reporting Person requested a stock option in lieu of cash fees under the Policy.

2. (Continued from Footnote 1) To correct the error, the Company canceled the Original Grant on April 1, 2016 and granted a stock option (the "Replacement Option") to the Reporting Person in lieu of cash fees under the Policy pursuant to a Non-Qualified Stock Option Agreement at an exercise price equal to the Original Price, subject to vest over a period of one year starting January 1, 2016 on a quarterly basis in arrears. The correction is reported in this Form 4 as a cancellation of the Original Grant and the grant of the Replacement Option.

**Remarks:**

/s/ Laurie Burlingame,  
Attorney-In-Fact

04/04/2016

\*\* 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 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).

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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