FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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 [*] Barrett Peter						2. Issuer Name and Ticker or Trading Symbol ZAFGEN, INC. [ZFGN]									5. Relationship of Reporting Person(s) to Iss (Check all applicable) X Director X 10% Ow					
(Last)						3. Date of Earliest Transaction (Month/Day/Year) 06/21/2017									Office	Officer (give title below)		Other (below)		
C/O ZAFGEN, INC., 175 PORTLAND STREET, 4TH FLOOR						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) BOSTO	Street) BOSTON MA 02114				•									Х	X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(S	tate) ((Zip)																	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day					Execution Date,			Code (Ins	Transaction Dispo Code (Instr. and 5)		rities Acquired (A) o red Of (D) (Instr. 3, 4			or 5. Amount of Securities Beneficially Owned Following		Fori (D) d Indi	m: Direct	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	v	Amoun	Amount (A) or (D)		rice	Report Transa	Reported Transaction(s) (Instr. 3 and 4)		u. 4)	(1150.4)	
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. Transact Code (In 8)	ion of		6. Date Exer Expiration I (Month/Day	Date		and 7. Title and Amount of Securities Underlying Derivative Security (Instr and 4)				9. Number derivative Securities Beneficiall Owned Following Reported Transaction (Instr. 4)	y Direct (D) or Indirec (I) (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr.	Beneficial Ownership		
					Code	v	(A)	(D)	Date Exercisable		piration te	Title	Amou or Numb of Share	er						
Stock Option (Right to Buy)	\$3.95	06/21/2017			A		14,500		(1)	06/	/21/2027	Common Stock	14,5	00	\$0.00	14,500		D		

Explanation of Responses:

1. These options were issued under the nonemployee director compensation policy and will vest in full upon the earlier of June 21, 2018 or the date of the 2018 annual meeting of stockholders, subject to the director's continued service on the board of directors.

Remarks:

/s/ Laurie Burlingame (Attorney-In-Fact)

** Signature of Reporting Person Date

06/23/2017

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.

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.