FORM 4

obligations may continue. See Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5	STATEMENT OF CHA
Section 16. Form 4 or Form 5	

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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>Barrett Peter</u>						2. Issuer Name and Ticker or Trading Symbol ZAFGEN, INC. [ZFGN]										all app Direc			X 10% C	% Owner	
		JRE FUND VII,	Middle)													Other below)	(specify				
25 FIRST STREET, SUITE 303 (Street)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person						
CAMBR	IDGE M	Α ()2141													Form filed by More than One Reporting Person					
(City)	(St	ate) (Zip)																		
		Tabl	e I - No	n-Deriv	ative	Se	curitie	s Acc	quired,	Dis	posed o	f, or	Ben	eficia	ally	Owne	ed				
1. Title of Security (Instr. 3) 2. Transa Date (Month/D						ar) i	2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Code (Instr. 5		Disposed	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				Securities Beneficially		Fori	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		Transaction(s) (Instr. 3 and 4)				(
Common	Stock		01/25/2016 A 8,849 ⁽¹⁾ A \$7.91 4,643,327 ⁽²⁾						43,327 ⁽²⁾		D										
		Та									sed of, onvertib				y Ov	vned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	Date,	4. Transactio Code (Insti				6. Date E Expiratio (Month/D	n Dat		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)					9. Number of derivative Securities Beneficially Owned Following Reported Transaction((Instr. 4)	,	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	or Nur of	nber							

Explanation of Responses:

- 1. These securities were issued in lieu of cash fees under the Non-Employee Director Compensation Policy pursuant to a Restricted Stock Agreement and the restrictions lapse over a period of one year starting January 1, 2016 on a quarterly basis in arrears.
- 2. The Reporting Person previously reported 5,632,730 shares directly held by Atlas Venture Fund VII, L.P. ("Atlas Venture"). On March 24, 2015, Atlas Venture distributed in-kind 1,000,000 shares pro rata to its limited partners. The Reporting Person now reports 4,632,730 shares directly held by Atlas Venture and disclaims beneficial ownership of all such shares except to the extent of his pecuniary interest, if any, therein.

Remarks:

/s/ Laurie Burlingame, Attorney-In-Fact

01/27/2016

** 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.

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.