FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
haura nar raananaa	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* <u>Hughes Thomas E.</u>				ZAF	2. Issuer Name and Ticker or Trading Symbol ZAFGEN, INC. [ZFGN] 2. Data of Entirest Transaction (Month/Day/Year)								(Ch	eck all appl	licable) or	rting Person(s) to Issuer		wner		
(Last) (First) (Middle) C/O ZAFGEN, INC.						3. Date of Earliest Transaction (Month/Day/Year) 05/11/2017									X Office below	Other (something of the control of t	specify			
175 PORTLAND STREET, 4TH FLOOR					4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable					
(Street)	N M	Α ()2114											Line	X Form	Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(St	ate) (Zip)																	
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
Date				2. Transac Date (Month/Da		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (Disposed Of (D) (Instr. and 5)				5. Amo Securit Benefic Owned Follow	ies cially	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	v	Amoun	t (A) or)	Price	Report Transa		(IIIsti		(111341. 4)	
Common	05/11/2	2017				M		18,92	28	A	\$0.7	5 83,	,088(1)		D					
Common Stock					05/11/2017				M		6,21	0	A	\$0.7	5 89,	,298(1)		D		
Common Stock				05/11/2017				M		68,07	73	A	\$0.8	2 157	',371 ⁽¹⁾		D			
		T	able II						uired, Dis , options	•				-	Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	emed on Date,	4. Transaction Code (Instr. B)		5. Number of		Expiration Date (Month/Day/Year)		ble and	le and 7. Title and Amount of			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	y [Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	
					Code	v	(A)	(D)	Date Exercisable	Ex Da	piration te	Title	or Nui of	ount mber ares						
Stock Option (Right to Buy	\$0.75	05/11/2017			M			18,928	(2)	12	/15/2018	Commo Stock	18	,928	\$0.00	0		D		
Stock Option (Right to Buy)	\$0.75	05/11/2017			M			6,210	(2)	03.	/18/2019	Commo Stock	6,	210	\$0.00	0		D		
Stock Option (Right to Buy)	\$0.82	05/11/2017			M			68,073	(2)	03.	/10/2020	Commo Stock	68	,073	\$0.00	0		D		

Explanation of Responses:

- 1. Includes 224 shares acquired under Zafgen, Inc.'s 2014 Employee Stock Purchase Plan on January 1, 2017.
- 2. Fully vested.

Remarks:

<u>Laurie Burlingame, Attorney-in-Fact</u> <u>05/15/2017</u>

** 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.