FORM 3

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL							
OMB Number:	3235-0104						
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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

Hughes Thomas E.	2. Date of Even Requiring State (Month/Day/Yea 06/18/2014	uiring Statement nth/Day/Year)  ZAFGEN, INC. [ ZFGN ]						
(Last) (First) (Middle) C/O ZAFGEN, INC.,			4. Relationship of Reporting Person(s) to Issuer (Check all applicable)  X Director 10% Owner			5. If Amendment, Date of Original Filed (Month/Day/Year)		
ONE BROADWAY, 8TH FLOOR			X Officer (give title below)	Other (spe below)	cify 6. In	dividual or Joint icable Line)	t/Group Filing (Check	
(Street)			Chief Executive Officer			X Form filed by One Reporting Person Form filed by More than One		
CAMBRIDGE MA 02142						Reporting P		
(City) (State) (Zip)								
	Table I - No	n-Derivat	ive Securities Beneficia	ally Owned				
1. Title of Security (Instr. 4)			2. Amount of Securities Beneficially Owned (Instr. 4)	Form: Direc	Form: Direct (D) (Instr. 5) or Indirect (I)		Beneficial Ownership	
Common Stock		35,253	D	D				
(e.			e Securities Beneficially unts, options, convertib		s)			
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	5. Ownership Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)	
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Price of Derivative Security	Direct (D) or Indirect (I) (Instr. 5)		
Stock Option (Right to Buy)	(1)	12/15/2018	Common Stock	128,857	0.75	D		
Stock Option (Right to Buy)	(1)	03/18/2019	Common Stock	12,420	0.75	D		
Stock Option (Right to Buy)	(1)	03/10/2020	Common Stock	136,146	0.82	D		
Stock Option (Right to Buy)	(2)	06/12/2023	Common Stock	334,315	2.45	l D		

## **Explanation of Responses:**

1 Voctod

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

## Remarks:

<u>/s/ Thomas E. Hughes</u> <u>06/18/2014</u>

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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.