

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>Atlas Venture Fund VII L P</u> (Last) (First) (Middle) 25 FIRST STREET, SUITE 303 (Street) CAMBRIDGE MA 02141 (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) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 06/29/2018	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

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	06/29/2018		j ⁽¹⁾		1,126,546	D	\$0 ⁽¹⁾	3,506,184	D ⁽³⁾	
Common Stock	06/29/2018		j ⁽²⁾		234,321	D	\$0 ⁽¹⁾	11	D ⁽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. 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)
						Date Exercisable	Expiration Date					

1. Name and Address of Reporting Person*
Atlas Venture Fund VII L P
 (Last) (First) (Middle)
 25 FIRST STREET, SUITE 303
 (Street)
 CAMBRIDGE MA 02141
 (City) (State) (Zip)

1. Name and Address of Reporting Person*
Atlas Venture Associates VII, L.P.
 (Last) (First) (Middle)
 25 FIRST STREET, SUITE 303
 (Street)
 CAMBRIDGE MA 02141
 (City) (State) (Zip)

1. Name and Address of Reporting Person*
Atlas Venture Associates VII, Inc.
 (Last) (First) (Middle)
 25 FIRST STREET, SUITE 303
 (Street)
 CAMBRIDGE MA 02141
 (City) (State) (Zip)

(Street)	CAMBRIDGE	MA	02141
(City)		(State)	(Zip)

Explanation of Responses:

1. On June 29, 2018, Atlas Venture Fund VII LP ("Atlas Venture VII") distributed, for no consideration, 1,126,546 shares of the Issuer's Common Stock, pro-rata, to its partners, including its limited partners and its general partner, in accordance with the exemptions afforded by Rule 16a-9 and Rule 16a-13 of the Securities Exchange Act of 1934, as amended. The distribution was effected pursuant to a Rule 10b5-1 plan adopted by Atlas Venture VII on December 22, 2017.
2. On June 29, 2018, Atlas Venture Associates VII LP ("AVA VII LP"), the general partner of Atlas Venture VII distributed, for no consideration, 234,421 shares of the Issuer's Common Stock, pro-rata, to its partners, including its limited partners and its general partner, in accordance with the exemptions afforded by Rule 16a-9 and Rule 16a-13 of the Securities Exchange Act of 1934, as amended. The distribution was effected pursuant to a Rule 10b5-1 plan adopted by AVA VII on December 22, 2017.
3. These shares are held directly by Atlas Venture VII. The general partner of Atlas Venture VII is AVA VII LP, and the general partner of AVA VII LP is Atlas Venture Associates VII, Inc. ("AVA VII Inc."). AVA VII LP and AVA VII Inc. disclaim Section 16 beneficial ownership of such shares, except to the extent of a pecuniary interest, if any, therein. This report shall not be deemed an admission that the reporting persons are the beneficial owners of such securities for the purposes of Section 16 or for any other purpose.
4. These shares are held directly by AVA VII LP. The general partner of AVA VII LP is AVA VII Inc. AVA VII Inc. disclaims Section 16 beneficial ownership of such shares, except to the extent of a pecuniary interest, if any, therein. This report shall not be deemed an admission that the reporting person is the beneficial owner of such securities for the purposes of Section 16 or for any other purpose.

[By: Atlas Venture Fund VII LP,](#)
[By: Atlas Venture Associates](#)
[VII, L.P., its general partner,](#) [07/03/2018](#)
[By: Atlas Venture Associates](#)
[VII, Inc., its general partner, /s/](#)
[Frank Castellucci, Secretary](#)
[By: Atlas Venture Associates](#)
[VII, L.P., By: Atlas Venture](#)
[Associates VII, Inc., its general](#) [07/03/2018](#)
[partner, /s/ Frank Castellucci,](#)
[Secretary](#)
[By: Atlas Venture Associates](#)
[VII, Inc., /s/ Frank Castellucci,](#) [07/03/2018](#)
[Secretary](#)

** 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.