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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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>Versant Venture Capital VI, L.P.</u> _____ (Last) (First) (Middle) ONE SANSOME STREET, SUITE 3630 _____ (Street) SAN FRANCISCO CA 94104 _____ (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 06/24/2021	3. Issuer Name and Ticker or Trading Symbol <u>Graphite Bio, Inc. [GRPH]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	2,364,671 ⁽¹⁾	D	

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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 Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Series A Preferred Stock	(2)	(2)	Common Stock	12,343,727	(2)	D ⁽¹⁾	
Series B Preferred Stock	(3)	(3)	Common Stock	1,527,719	(3)	I	By Versant Vantage II, L.P. ⁽⁴⁾

1. Name and Address of Reporting Person *
Versant Venture Capital VI, L.P.

 (Last) (First) (Middle)
 ONE SANSOME STREET, SUITE 3630

 (Street)
 SAN FRANCISCO CA 94104

 (City) (State) (Zip)

1. Name and Address of Reporting Person *
Versant Ventures VI GP, L.P.

 (Last) (First) (Middle)
 ONE SANSOME STREET, SUITE 3630

 (Street)
 SAN FRANCISCO CA 94104

 (City) (State) (Zip)

1. Name and Address of Reporting Person *
Versant Ventures VI GP-GP, LLC

 (Last) (First) (Middle)
 ONE SANSOME STREET, SUITE 3630

 (Street)
 SAN FRANCISCO CA 94104

 (City) (State) (Zip)

1. Name and Address of Reporting Person *		
Versant Vantage II, L.P.		
(Last)	(First)	(Middle)
ONE SANSOME STREET, SUITE 3630		
(Street)		
SAN FRANCISCO	CA	94104
(City)	(State)	(Zip)
1. Name and Address of Reporting Person *		
Versant Vantage II GP, L.P.		
(Last)	(First)	(Middle)
ONE SANSOME STREET, SUITE 3630		
(Street)		
SAN FRANCISCO	CA	94104
(City)	(State)	(Zip)
1. Name and Address of Reporting Person *		
Versant Vantage II GP-GP, LLC		
(Last)	(First)	(Middle)
ONE SANSOME STREET, SUITE 3630		
(Street)		
SAN FRANCISCO	CA	94104
(City)	(State)	(Zip)

Explanation of Responses:

1. These shares are held by Versant Venture Capital VI, L.P. ("VVC VI"). Versant Ventures VI GP-GP, LLC ("VV VI GP") is the sole general partner of Versant Ventures VI GP, L.P. ("VV VI") and VV VI is the sole general partner of VVC VI. Jerel C. Davis, a member of the Issuer's board of directors, is a managing member of VV VI GP and may be deemed to share voting and dispositive power over the shares held by VVC VI. Each of VV VI GP, VV VI and Jerel C. Davis disclaims beneficial ownership of the shares held by VVC VI, except to the extent of their respective pecuniary interests therein. Jerel C. Davis is a director of the Issuer and, accordingly files separate Section 16 reports.
2. These shares of the Issuer's Series A Preferred Stock will automatically convert on a 2.432-for-one basis into the number of shares of the Issuer's common stock shown in Column 3 immediately upon closing of the Issuer's initial public offering ("IPO") without payment of additional consideration. The Series A Preferred Stock has no expiration date.
3. These shares of the Issuer's Series B Preferred Stock will automatically convert on a 2.432-for-one basis into the number of shares of the Issuer's common stock shown in Column 3 immediately upon closing of the Issuer's IPO without payment of additional consideration. The Series B Preferred Stock has no expiration date.
4. These shares are held by Versant Vantage II, L.P. ("VV II"). Versant Vantage II GP-GP, LLC ("VV II GP-GP") is the sole general partner of Versant Vantage II GP, L.P. ("VV II GP") and VV II GP is the sole general partner of VV II. Jerel C. Davis, a member of the Issuer's board of directors, is a managing member of VV II GP-GP and may be deemed to share voting and dispositive power over the shares held by VV II. Each of VV II GP-GP, VV II GP and Jerel C. Davis disclaims beneficial ownership of the shares held by VV II, except to the extent of their respective pecuniary interests therein. Jerel C. Davis is a director of the Issuer and, accordingly files separate Section 16 reports.

Remarks:

[Versant Venture Capital VI, L.P.](#)
 By: [Versant Ventures VI GP, L.P.](#)
 Its: General Partner By: [Versant Ventures VI GP-GP, LLC](#) By: /s/ [Robin L. Praeger](#) Its: [Managing Director](#) 06/24/2021

[Versant Ventures VI GP, L.P.](#), By: [Versant Ventures VI GP-GP, LLC](#)
 By: /s/ [Robin L. Praeger](#) Its: [Managing Director](#) 06/24/2021

[Versant Ventures VI GP-GP, LLC](#)
 By: /s/ [Robin L. Praeger](#) Its: [Managing Director](#) 06/24/2021

[Versant Vantage II, LP](#) By: [Versant Vantage I GP, L.P.](#) Its: [General Partner](#) By: [Versant Vantage II GP-GP, LLC](#) Its: [General Partner](#) By: /s/ [Robin L. Praeger](#) Its: [Managing Director](#) 06/24/2021

[Versant Vantage II GP, L.P.](#), By: [Versant Vantage II GP-GP, LLC](#)
 Its: General Partner By: /s/ [Robin L. Praeger](#) Its: [Managing Director](#) 06/24/2021

[Versant Vantage II GP-GP, LLC](#)
 By: /s/ [Robin L. Praeger](#) Its: [Managing Director](#) 06/24/2021

** 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 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.