UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b)

(Amendment No.)¹

Vigil Neuroscience, Inc.
(Name of Issuer)
Common Stock, par value \$0.0001 per share
(Title of Class of Securities)
92673K108
(CUSIP Number)
August 16, 2022
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
□ Rule 13d-1(b)
⊠ Rule 13d-1(c)
☐ Rule 13d-1(d)
The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in prior cover page.
The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, <i>see</i> the <i>Notes</i>).

1	NAME OF REPORT	ING PERSON	
		Value Fund, L.P.	
2	CHECK THE APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
3	SEC USE ONLI		
4	CITIZENSHIP OR P	LACE OF ORGANIZATION	
	- 1		
NILLM DED OF	Delaware 5	SOLE VOTING POWER	
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING	_	1,469,702 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		1,469,702 (1)	
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	1,469,702 (1)	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
10	CHECK BOX IF IH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)	
	4.407.74		
12	4.1% (1) TYPE OF REPORTI	NC DEDCON	
14	I I PE OF REPORTS	ING PERSON	
	PN		

(1) Includes 496,795 Shares (as defined in Item 2) underlying certain Pre-Funded Warrants (as defined in Item 4). The Pre-Funded Warrants are subject to the Pre-Funded Warrants Blocker (as defined in Item 4).

1	NAME OF REPO	RTING PERSON	
	BVF I GP L		
2	CHECK THE API	PROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
3	SEC OSE OIVET		
4	CITIZENSHIP OF	R PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY OWNED BY	C	0	
EACH	6	SHARED VOTING POWER	
REPORTING		1,469,702 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	,	SOLD DISTOSTITY DI CVILIN	
		0	
	8	SHARED DISPOSITIVE POWER	
		1,469,702 (1)	
9	AGGREGATE AN	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	1,469,702 (1		
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
10		THE HOOKESTEE TENOOTTE IN NOW (5) ENGLOSES CERTAIN STEELES	
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	4.1% (1)		
12	TYPE OF REPOR	TING PERSON	
	00		

(1) Includes 496,795 Shares underlying certain Pre-Funded Warrants. The Pre-Funded Warrants are subject to the Pre-Funded Warrants Blocker.

1	NAME OF REPORT	ING PERSON	
	Biotechnology	Value Fund II, L.P.	
2		OPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR P	LACE OF ORGANIZATION	
	Delaware	T	
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH REPORTING		1,103,586 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		1,103,586 (1)	
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	1,103,586 (1)	TAGGREGATE ANOVENT BY DOVE (A) EVICE VIDEO CERTAIN CHARGO	
10	CHECK BOX IF TH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)	
	3.1% (1)		
12	TYPE OF REPORTI	NG PERSON	
	PN		

(1) Includes 373,039 Shares underlying certain Pre-Funded Warrants. The Pre-Funded Warrants are subject to the Pre-Funded Warrants Blocker.

1	NAME OF REPORT	ING PERSON	
	BVF II GP LLO		
2	CHECK THE APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠ (b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR P	LACE OF ORGANIZATION	
	Delaware		
NUMBER OF SHARES BENEFICIALLY	5	SOLE VOTING POWER 0	
OWNED BY EACH REPORTING	6	SHARED VOTING POWER 1,103,586 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER 0	
	8	SHARED DISPOSITIVE POWER 1,103,586 (1)	
9	AGGREGATE AMO 1,103,586 (1)	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10		E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLAS 3.1% (1)	SS REPRESENTED BY AMOUNT IN ROW (9)	
12	TYPE OF REPORTI	NG PERSON	
	PN		

(1) Includes 373,039 Shares underlying certain Pre-Funded Warrants. The Pre-Funded Warrants are subject to the Pre-Funded Warrants Blocker.

1	NAME OF REPORT	ING PERSON	
-		121001	
		Value Trading Fund OS LP	
2	CHECK THE APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) □
	CEC HEE ONLY		
3	SEC USE ONLY		
4	CITIZENSHIP OR P	LACE OF ORGANIZATION	
	Cayman Island		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY OWNED BY	6	0 SHARED VOTING POWER	
EACH	0	SHAKED VOTING FOWER	
REPORTING		128,991 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		128,991 (1)	
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	128,991 (1)		
10	CHECK BOX IF THE	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLAS	S REPRESENTED BY AMOUNT IN ROW (9)	
11	I LIKOLIVI OI CLAC	S REFREDERIED DT THROUGH IN NOW (3)	
	Less than 1% (1)	
12	TYPE OF REPORTI	NG PERSON	
	DN		
	PN		

(1) Includes 43,602 Shares underlying certain Pre-Funded Warrants. The Pre-Funded Warrants are subject to the Pre-Funded Warrants Blocker.

1	NAME OF REPORT	ING PERSON	
	BVF Partners (OS Ltd.	
2	CHECK THE APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR P	LACE OF ORGANIZATION	
	Cayman Island		
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY EACH	6	SHARED VOTING POWER	
REPORTING		128,991 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		128,991 (1)	
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	128,991 (1)		
10	CHECK BOX IF TH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)	
	Less than 1% (
12	TYPE OF REPORTI	NG PERSON	
	CO		

(1) Includes 43,602 Shares underlying certain Pre-Funded Warrants. The Pre-Funded Warrants are subject to the Pre-Funded Warrants Blocker.

1	NAME OF REPORT	ING PERSON	
	BVF GP Holdi	ngs LLC	
2		OPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠ (b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR P	LACE OF ORGANIZATION	
	Delaware		
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY EACH	6	SHARED VOTING POWER	
REPORTING		2,573,288 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		2,573,288 (1)	
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,573,288 (1)		
10	CHECK BOX IF TH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)	
	7.2% (1)		
12	TYPE OF REPORTI	NG PERSON	
	00		

(1) Includes 869,834 Shares underlying certain Pre-Funded Warrants. The Pre-Funded Warrants are subject to the Pre-Funded Warrants Blocker.

1	NAME OF REPORT	ING PERSON	
	BVF Partners I	P.	
2	CHECK THE APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠ (b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR P	LACE OF ORGANIZATION	
	Delaware		
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY OWNED BY	6	0 SHARED VOTING POWER	
EACH	b	SHARED VOTING POWER	
REPORTING		2,739,727 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		2,739,727 (1)	
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,739,727 (1)		
10	CHECK BOX IF TH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)	
	7.5% (1)		
12	TYPE OF REPORTI	NG PERSON	
	PN, IA		

(1) Includes 926,094 Shares underlying certain Pre-Funded Warrants. The Pre-Funded Warrants are subject to the Pre-Funded Warrants Blocker.

1	NAME OF REPORT	ING PERSON	
	BVF Inc.		
2	CHECK THE APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠ (b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR P	LACE OF ORGANIZATION	
	Delaware		
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY OWNED BY	6	0 SHARED VOTING POWER	
EACH	U	SHAKED VOTING FOWER	
REPORTING		2,739,727 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		2,739,727 (1)	
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,739,727 (1)		
10		E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)	
	7.5% (1)		
12	TYPE OF REPORTI	NG PERSON	
	CO		

(1) Includes 926,094 Shares underlying certain Pre-Funded Warrants. The Pre-Funded Warrants are subject to the Pre-Funded Warrants Blocker.

1	NAME OF REPO	ORTING PERSON	
	Mark N. La		
2	CHECK THE AP	PROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
	CITIZENCIUD	R PLACE OF ORGANIZATION	
4	CITIZENSHIPO	R PLACE OF ORGANIZATION	
	United Stat	oc	
NUMBER OF	5	SOLE VOTING POWER	
SHARES	5	SOLE VOINGIOWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		2,739,727 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		2 720 727 (1)	
9	A CODEC ATE A	2,739,727 (1) MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
9	AGGREGATE A	MOUNT DENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,739,727 (1)	
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
10			_
11	PERCENT OF C	LASS REPRESENTED BY AMOUNT IN ROW (9)	
	7.5% (1)		
12	TYPE OF REPOR	RTING PERSON	
	IN		

(1) Includes 926,094 Shares underlying certain Pre-Funded Warrants. The Pre-Funded Warrants are subject to the Pre-Funded Warrants Blocker.

Item 1(a). Name of Issuer:

Vigil Neuroscience, Inc., a Delaware corporation (the "Issuer").

Item 1(b). Address of Issuer's Principal Executive Offices:

1 Broadway, 7th Floor, Suite 07-300 Cambridge, Massachusetts 02142

Item 2(a). Name of Person Filing

Item 2(b). Address of Principal Business Office or, if None, Residence

Item 2(c). Citizenship

Biotechnology Value Fund, L.P. ("BVF")

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

BVF I GP LLC ("BVF GP")

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

Biotechnology Value Fund II, L.P. ("BVF2")

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

BVF II GP LLC ("BVF2 GP")

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

Biotechnology Value Trading Fund OS LP ("Trading Fund OS")

PO Box 309 Ugland House Grand Cayman, KY1-1104

Cayman Islands

Citizenship: Cayman Islands

BVF Partners OS Ltd. ("Partners OS")

PO Box 309 Ugland House Grand Cayman, KY1-1104

Cayman Islands

Citizenship: Cayman Islands

BVF GP Holdings LLC ("BVF GPH")

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

BVF Partners L.P. ("Partners") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: Delaware

BVF Inc.

44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: Delaware

Mark N. Lampert ("Mr. Lampert") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: United States

Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

Item 2(d). Title of Class of Securities:

Common Stock, par value \$0.0001 per share (the "Shares")

Item 2(e). CUSIP Number:

92673K108

Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:

	/x/	Not applicable.
(a)	//	Broker or dealer registered under Section 15 of the Exchange Act.
(b)	//	Bank as defined in Section 3(a)(6) of the Exchange Act.
(c)	//	Insurance company as defined in Section 3(a)(19) of the Exchange Act.
(d)	//	Investment company registered under Section 8 of the Investment Company Act.
(e)	//	An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).
(f)	//	An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).
(g)	//	A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).
(h)	//	A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.
(i)	//	A church plan that is excluded from the definition of an investment company under Section $3(c)(14)$ of the Investment Company Act.
(j)	//	A non-U.S. institution, in accordance with Rule 13d-1(b)(1)(ii)(J).
(k)	//	Group, in accordance with Rule 13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please specify the type of institution:

Item 4. Ownership

(a) Amount beneficially owned:

As of the close of business on August 26, 2022, the Reporting Persons hold an aggregate of 926,094 pre-funded warrants (the "Pre-Funded Warrants") exercisable for an aggregate of 926,094 Shares. Each Pre-Funded Warrant is exercisable for one Share at an exercise price of \$0.0001. The Pre-Funded Warrants are immediately exercisable and have no expiration date. A holder of a Pre-Funded Warrant will not be entitled to exercise any portion of such Pre-Funded Warrant that, upon giving effect to such exercise, would cause the aggregate number of Shares beneficially owned by such holder (together with its affiliates and any other persons whose beneficial ownership of Shares would be aggregated with the holder for purposes of Section 13(d) of the Exchange Act) to exceed 9.99% of the total number of then issued and outstanding Shares, as such percentage ownership is determined in accordance with the terms of the Pre-Funded Warrant and subject to such holder's rights under the Pre-Funded Warrant to increase or decrease such percentage to any other percentage not in excess of 19.99% upon at least 61 days' prior notice from such holder to the Issuer (the "Pre-Funded Warrants Blocker"). As of August 26, 2022, the Pre-Funded Warrants Blocker does not limit the aggregate exercise of the Pre-Funded Warrants by the Reporting Persons.

As of the close of business on August 26, 2022 (i) BVF beneficially owned 1,469,702 Shares, including 496,795 Shares underlying the Pre-Funded Warrants held by it; (ii) BVF2 beneficially owned 1,103,586 Shares, including 373,039 Shares underlying the Pre-Funded Warrants held by it; and (iii) Trading Fund OS beneficially owned 128,991 Shares, including 43,602 Shares underlying the Pre-Funded Warrants held by it.

BVF GP, as the general partner of BVF, may be deemed to beneficially own the 1,469,702 Shares beneficially owned by BVF.

BVF2 GP, as the general partner of BVF2, may be deemed to beneficially own the 1,103,586 Shares beneficially owned by BVF2.

Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 128,991 Shares beneficially owned by Trading Fund OS.

BVF GPH, as the sole member of each of BVF GP and BVF2 GP, may be deemed to beneficially own the 2,573,288 Shares beneficially owned in the aggregate by BVF and BVF2.

Partners, as the investment manager of BVF, BVF2 and Trading Fund OS, and the sole member of Partners OS, may be deemed to beneficially own the 2,739,727 Shares beneficially owned in the aggregate by BVF, BVF2 and Trading Fund OS and held in a certain Partners managed account (the "Partners Managed Account"), including 37,448 Shares, which includes 12,658 Shares underlying the Pre-Funded Warrants held in the Partners Managed Account.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 2,739,727 Shares beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 2,739,727 Shares beneficially owned by BVF Inc.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any Shares owned by another Reporting Person. BVF GP disclaims beneficial ownership of the Shares beneficially owned by BVF. BVF2 GP disclaims beneficial ownership of the Shares beneficially owned by BVF2. Partners OS disclaims beneficial ownership of the Shares beneficially owned by Trading Fund OS. BVF GPH disclaims beneficial ownership of the Shares beneficially owned by BVF and BVF2. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the Shares beneficially owned by BVF, BVF2 and Trading Fund OS and held in the Partners Managed Accounts, and the filing of this statement shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities.

(b) Percent of class:

The following percentages are based on a denominator that is the sum of (i) 28,268,331 Shares outstanding, as of July 31, 2022, which is the total number of Shares outstanding as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission (the "SEC") on August 8, 2022, (ii) 7,293,084 Shares issued in connection with a private placement financing by the Issuer that closed on August 16, 2022, as reported in the Issuer's Current Report on Form 8-K filed with the SEC on August 12, 2022 and (iii) certain or all of the 926,094 Shares issuable upon the exercise of the Pre-Funded Warrants owned by the Reporting Persons, as applicable.

As of the close of business on August 26, 2022, (i) BVF beneficially owned approximately 4.1% of the outstanding Shares, (ii) BVF2 beneficially owned approximately 3.1% of the outstanding Shares, (iii) Trading Fund OS beneficially owned less than 1% of the outstanding Shares, (iv) BVF GP may be deemed to beneficially own approximately 4.1% of the outstanding Shares, (v) BVF2 GP may be deemed to beneficially own approximately 3.1% of the outstanding Shares, (vi) Partners OS may be deemed to beneficially own less than 1% of the outstanding Shares, (vii) BVF GPH may be deemed to beneficially own approximately 7.2% of the outstanding Shares, and (viii) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 7.5% of the outstanding Shares (less than 1% of the outstanding Shares are held in the Partners Managed Account).

- (c) Number of shares as to which such person has:
- (i) Sole power to vote or to direct the vote

See Cover Pages Items 5-9.

(ii) Shared power to vote or to direct the vote

See Cover Pages Items 5-9.

(iii) Sole power to dispose or to direct the disposition of

See Cover Pages Items 5-9.

(iv) Shared power to dispose or to direct the disposition of

See Cover Pages Items 5-9.

Item 5. Ownership of Five Percent or Less of a Class.

Not Applicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

BVF GPH, Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the Shares beneficially owned by BVF and BVF2. Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the Shares beneficially owned by Trading Fund OS and held in the Partners Managed Account.

Item 7. Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the Parent Holding Company or

Control Person.

Not Applicable.

Item 8. Identification and Classification of Members of the Group.

See Exhibit 99.1.

Item 9. Notice of Dissolution of Group.

Not Applicable.

Item 10. Certifications.

By signing below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: August 26, 2022

BIOTECHNOLOGY VALUE FUND, L.P.

By: BVF I GP LLC., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert Chief Executive Officer

BVF I GP LLC

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BIOTECHNOLOGY VALUE FUND II, L.P.

By: BVF II GP LLC, its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert Chief Executive Officer

BVF II GP LLC

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BVF PARTNERS OS LTD.

By: BVF Partners L.P., its sole member

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert President BIOTECHNOLOGY VALUE TRADING FUND OS LP

By: BVF Partners L.P., its investment manager

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert

President

BVF GP HOLDINGS LLC

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BVF PARTNERS L.P.

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert

President

BVF INC.

By: /s/ Mark N. Lampert

Mark N. Lampert

President

/s/ Mark N. Lampert

MARK N. LAMPERT

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Joint Filing Agreement

The undersigned hereby agree that the Statement on Schedule 13G dated August 26, 2022 with respect to the Common Stock, \$0.0001 par value per share, of Vigil Neuroscience, Inc., a Delaware corporation, and any further amendments thereto executed by each and any of the undersigned shall be filed on behalf of each of the undersigned pursuant to and in accordance with the provisions of Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended.

Dated: August 26, 2022

BIOTECHNOLOGY VALUE FUND, L.P.

By: BVF I GP LLC., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert Chief Executive Officer

BVF I GP LLC

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BIOTECHNOLOGY VALUE FUND II, L.P.

By: BVF II GP LLC, its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert Chief Executive Officer

BVF II GP LLC

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BVF PARTNERS OS LTD.

By: BVF Partners L.P., its sole member

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert President BIOTECHNOLOGY VALUE TRADING FUND OS LP

By: BVF Partners L.P., its investment manager

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert President

BVF GP HOLDINGS LLC

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BVF PARTNERS L.P.

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert

President

BVF INC.

By: /s/ Mark N. Lampert

Mark N. Lampert

President

/s/ Mark N. Lampert

MARK N. LAMPERT