

FORM 4

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

OMB APPROVAL
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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 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

(Print or Type Responses)

1. Name and Address of Reporting Person Fletcher Aaron G.L.		2. Issuer Name and Ticker or Trading Symbol Lantern Pharma Inc. [LTRN]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)	
(Last) (First) (Middle) C/O LANTERN PHARMA INC., 1920 MCKINNEY AVENUE, 7TH FLOOR		3. Date of Earliest Transaction (Month/Day/Year) 09/02/2022			
(Street) DALLAS, TX 75201		4. If Amendment, Date Original Filed(Month/Day/Year)		6. Individual or Joint/Group Filing(Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person	
(City) (State) (Zip)		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	09/02/2022		X		26,100	A	\$ 1.03	26,100	I	By BP Directors, LP (3) (4) (5)
Common Stock	09/02/2022		S(1)		5,170	D	\$ 5.2	20,930	I	By BP Directors, LP (3) (4) (5)
Common Stock	09/02/2022		X		6,438	A	\$ 1.03	27,328	I	By BP Directors, LP (3) (4) (5)
Common Stock	09/02/2022		S(2)		1,275	D	\$ 5.2	26,093	I	By BP Directors, LP (3) (4) (5)
Common Stock								564,038	I	By Bios Fund I, LP (3) (4) (5)
Common Stock								329,904	I	By Bios Fund I QP, LP (3) (4) (5)
Common Stock								204,723	I	By Bios Fund II, LP (3) (4) (5)
Common Stock								668,738	I	By Bios Fund II QP, LP (3) (4) (5)
Common Stock								89,522	I	By Bios Fund II NT, LP (3) (4) (5)

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

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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 Underlying Securities (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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option	\$ 1.03	09/02/2022		X		26,100		12/17/2018	12/16/2028	Common Stock	26,100	\$ 0	6,438	I (3) (4)	By BP Directors, LP (3) (4) (5)
Stock Option	\$ 1.03	09/02/2022		X		6,438		12/17/2018	12/16/2028	Common Stock	6,438	\$ 0	0	I (3) (4)	By BP Directors, LP (3) (4) (5)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Fletcher Aaron G.L. C/O LANTERN PHARMA INC. 1920 MCKINNEY AVENUE, 7TH FLOOR DALLAS, TX 75201		X		
BIOS Fund I, LP 1401 FOCH STREET SUITE 140 FORT WORTH, TX 76107		X		
BIOS Fund I QP, LP 1401 FOCH STREET, SUITE 140 FORT WORTH, TX 76107		X		

BIOS Fund II, LP 1401 FOCH STREET SUITE 140 FORT WORTH, TX 76107		X		
BIOS Fund II QP, LP 1401 FOCH STREET SUITE 140 FORT WORTH, TX 76107		X		
BIOS Fund II NT, LP 1401 FOCH STREET, SUITE 140 FORT WORTH, TX 76107		X		
Bios Equity Partners, LP 1751 RIVER RUN, SUITE 400 FORT WORTH, TX 76107		X		
Bios Equity Partners II, LP 1751 RIVER RUN, SUITE 400 FORT WORTH, TX 76107		X		
BIOS Capital Management, LP 1751 RIVER RUN SUITE 400 FORT WORTH, TX 76107		X		
BIOS Advisors GP, LLC 1751 RIVER RUN SUITE 400 FORT WORTH, TX 76107		X		

Signatures

/s/ Aaron G.L. Fletcher		09/07/2022
<small>**Signature of Reporting Person</small>		<small>Date</small>
Bios Fund I, LP By: Bios Equity Partners, LP, its general partner By: Bios Capital Management, LP, its general partner By: Bios Advisors GP, LLC, its general partner By: /s/ Aaron Glenn Louis Fletcher, Manager		09/07/2022
<small>**Signature of Reporting Person</small>		<small>Date</small>
Bios Fund I QP, LP By: Bios Equity Partners, LP, its general partner By: Bios Capital Management, LP, its general partner By: Bios Advisors GP, LLC, its general partner By: /s/ Aaron Glenn Louis Fletcher, Manager		09/07/2022
<small>**Signature of Reporting Person</small>		<small>Date</small>
Bios Fund II, LP By: Bios Equity Partners II, LP, its general partner By: Bios Capital Management, LP, its general partner By: Bios Advisors GP, LLC, its general partner By: /s/ Aaron Glenn Louis Fletcher, Manager		09/07/2022
<small>**Signature of Reporting Person</small>		<small>Date</small>
Bios Fund II QP, LP By: Bios Equity Partners II, LP, its general partner By: Bios Capital Management, LP, its general partner By: Bios Advisors GP, LLC, its general partner By: /s/ Aaron Glenn Louis Fletcher, Manager		09/07/2022
<small>**Signature of Reporting Person</small>		<small>Date</small>
Bios Fund II NT, LP By: Bios Equity Partners II, LP, its general partner By: Bios Capital Management, LP, its general partner By: Bios Advisors GP, LLC, its general partner By: /s/ Aaron Glenn Louis Fletcher, Manager		09/07/2022
<small>**Signature of Reporting Person</small>		<small>Date</small>
Bios Equity Partners, LP By: Bios Capital Management, LP, its general partner By: Bios Advisors GP, LLC, its general partner By: /s/ Aaron Glenn Louis Fletcher, Manager		09/07/2022
<small>**Signature of Reporting Person</small>		<small>Date</small>
Bios Equity Partners II, LP By: Bios Capital Management, LP, its general partner By: Bios Advisors GP, LLC, its general partner By: /s/ Aaron Glenn Louis Fletcher, Manager		09/07/2022
<small>**Signature of Reporting Person</small>		<small>Date</small>
Bios Capital Management, LP By: Bios Advisors GP, LLC, its general partner By: /s/ Aaron Glenn Louis Fletcher, Manager		09/07/2022
<small>**Signature of Reporting Person</small>		<small>Date</small>
Bios Advisors GP, LLC By: /s/ Aaron Glenn Louis Fletcher, Manager		09/07/2022
<small>**Signature of Reporting Person</small>		<small>Date</small>

Explanation of Responses:

* 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).

- On September 2, 2022, the reporting person exercised an option to purchase 26,100 shares of LTRN common stock for \$1.03 a share. The reporting person paid the exercise price on a cashless basis, resulting in LTRN's withholding of 5,170 of the warrant shares to pay the exercise price
- On September 2, 2022, the reporting person exercised an option to purchase 6,438 shares of LTRN common stock for \$1.03 a share. The reporting person paid the exercise price on a cashless basis, resulting in LTRN's withholding of 1,275 of the warrant shares to pay the exercise price
Bios Equity Partners, LP ("Bios Equity I") is the general partner of the following entities: Bios Fund I, Bios Fund I QP and BP Directors, LP ("Bios Directors"), Bios Equity Partners II, LP ("Bios Equity II") is the general partner of the following entities: Bios Fund II, Bios Fund II QP and Management, LP ("Bios Management"), an entity managed and controlled by Aaron Glenn Louis Fletcher, are each a general partner of Bios Equity I and Bios Equity II. Cavu Advisors LLC ("Cavu Advisors"), an entity that is managed and controlled by Mr. Kreis, is the general partner of Bios Management.
- Mr. Kreis, Cavu Management, Cavu Advisors, Mr. Fletcher, Bios Management and Bios Advisors each share voting and investment control with respect to the shares held by Bios Fund I, Bios Fund I QP, Bios Directors, Bios Fund II, Bios Fund II QP and Bios Fund II NT (collectively, the Advisors, Bios Advisors and the Bios Equity Entities, Mr. Kreis, Mr. Fletcher, Cavu Management, Bios Management, Cavu Advisors and Bios Advisors each may be deemed to beneficially own the shares held directly by the Bios Equity Entities.
- For purposes of Section 16 of the Securities Exchange Act of 1934, as amended, each Reporting Person disclaims beneficial ownership of any such securities, except to the extent of his/its pecuniary interest therein, if any, and this report shall not be deemed an admission that such Report

Remarks:

This Form 4 is the second of two Forms 4 filed relating to the same event. The Form 4 has been split into two filings because there are more than 10 reporting persons in total, and the SEC's EDGAR filing system limits a single Form 4 to

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.