

OMB APPROVAL	
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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

1. Name and Address of Reporting Person* <u>RA CAPITAL MANAGEMENT, L.P.</u> _____ (Last) (First) (Middle) <u>200 BERKELEY STREET, 18TH FLOOR</u> _____ (Street) <u>BOSTON MA 02116</u> _____ (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Inozyme Pharma, Inc. [INZY]</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) <u>07/28/2020</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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	07/28/2020		C		1,403,653	A	(1)	1,403,653 ⁽²⁾	I	See footnote ⁽³⁾⁽⁴⁾
Common Stock	07/28/2020		P		600,000 ⁽⁵⁾	A	\$16	2,003,653 ⁽⁶⁾	I	See footnote ⁽³⁾⁽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)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Series A-2 Convertible Preferred Stock	(1)	07/28/2020		C		10,489,510		(1)	(1)	Common Stock	1,403,653 ⁽²⁾	(1)	0	I	See footnote ⁽³⁾⁽⁴⁾

1. Name and Address of Reporting Person*
RA CAPITAL MANAGEMENT, L.P.

 (Last) (First) (Middle)
200 BERKELEY STREET, 18TH FLOOR

 (Street)
BOSTON MA 02116

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
Kolchinsky Peter

 (Last) (First) (Middle)
C/O RA CAPITAL MANAGEMENT, L.P.
200 BERKELEY STREET, 18TH FLOOR

 (Street)
BOSTON MA 02116

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
Shah Rajeev M.

 (Last) (First) (Middle)
C/O RA CAPITAL MANAGEMENT, L.P.
200 BERKELEY STREET, 18TH FLOOR

 (Street)
BOSTON MA 02116

 (City) (State) (Zip)

Explanation of Responses:

1. The Series A-2 Convertible Preferred Stock converted into Common Stock on a 7.4730-for-one basis upon the closing of the Issuer's initial public offering.
2. These securities include (a) 1,041,757 shares held by RA Capital Healthcare Fund, L.P. (the "Fund"), (b) 186,440 shares held by a separately managed account (the "Account"), and (c) 175,456 shares held by RA Capital Nexus Fund, L.P. (the "Nexus Fund").
3. RA Capital Management, L.P. (the "Adviser") is the investment manager for the Fund, the Account, and the Nexus Fund. The general partner of the Adviser is RA Capital Management GP, LLC (the "Adviser GP"), of which Dr. Peter Kolchinsky and Mr. Rajeev Shah are the managing members.
4. The Adviser, the Adviser GP, Dr. Kolchinsky, and Mr. Shah may be deemed indirect beneficial owners of the reported securities for purposes of Section 13(d) of the Securities Exchange Act of 1934 (the "Act"). They disclaim beneficial ownership of any of the reported securities for the purpose of determining whether they are subject to Section 16 of the Act, however, in reliance on Rule 16a-1(a)(1)(v) and (vii). To the extent that they might be deemed subject to Section 16, they disclaim beneficial ownership of securities held by the Fund or the Nexus Fund for purposes of Rule 16a-1(a)(2), except to the extent of their pecuniary interest therein, and disclaim any pecuniary interest in securities held in the Account for purposes of Rule 16a-1(a)(2).
5. Includes (a) 513,501 shares held by the Fund, (b) 55,311 shares held by the Account, and (c) 31,188 shares held by the Nexus Fund, in each case acquired in the Issuer's initial public offering.
6. Includes (a) 1,555,258 shares held by the Fund, (b) 241,751 shares held by the Account, and (c) 206,644 shares held by the Nexus Fund.

/s/ Peter Kolchinsky, Manager of 07/28/2020
RA Capital Management, L.P.

/s/ Peter Kolchinsky, individually 07/28/2020

/s/ Rajeev Shah, individually 07/28/2020

** 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.

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