

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>Mirabelli Christopher</u>  (Last) (First) (Middle) <u>C/O LEAP THERAPEUTICS, INC.</u> <u>47 THORNDIKE STREET SUITE B1-1</u>  (Street) <u>CAMBRIDGE MA 02141</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>LEAP THERAPEUTICS, INC. [ LPTX ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>CEO, President and COB</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>07/30/2018</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	
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			

**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					
Warrant (Right to Buy)	\$6.085	07/30/2018		J <sup>(1)(2)</sup>		21,369		11/14/2017	11/14/2024	Common Stock	\$0	21,369	I <sup>(1)(2)</sup>	See Footnotes <sup>(1)(2)</sup>

**Explanation of Responses:**

- Pro rata distribution from HealthCare Ventures IX, L.P. ("HCV IX") to its limited partner, Nine Capital Partners, LLC. Christopher K. Mirabelli, Douglas E. Onsi and Augustine Lawlor are the Managing Members of Nine Capital Partners, LLC, and as such, beneficially own and share voting and dispositive power with respect to all of the securities owned by Nine Capital Partners, LLC. Dr. Mirabelli disclaims beneficial ownership of these shares except to the extent of his proportionate pecuniary interest in these securities.
- The reporting person is also (i) a Managing Director of HealthCare Partners IX, LLC, which is the General Partner of HealthCare Partners IX, L.P., which is the General Partner of HCV IX, (ii) a Managing Director of HealthCare Partners VIII, LLC, which is the General Partner of HealthCare Partners VIII, L.P., which is the General Partner of HealthCare Ventures VIII, L.P. ("HCV VIII"), and (iii) a Managing Director of HCV Strategic LLC, which is the General Partner of HealthCare Ventures Strategic Fund, L.P. ("HCV SF"). HCV IX continues to hold 3,573,376 shares of common stock, HCV VIII continues to hold 2,618,406 shares of common stock, and HCV SF continues to hold 343,889 shares of common stock, representing 24.3%, 17.8%, and 2.3%, respectively, and 44.5% in the aggregate, of the outstanding shares of common stock.

/s/ Douglas E. Onsi as attorney-in-fact for Christopher Mirabelli 08/01/2018

\*\* 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.