

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
OMB Number:	3235-0104
Estimated average burden hours per response:	0.5

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>Third Rock Ventures III, L.P.</u> (Last) (First) (Middle) C/O THIRD ROCK VENTURES, LLC, 29 NEWBURY STREET, 3RD FLOOR (Street) BOSTON MA 02116 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 06/02/2020	3. Issuer Name and Ticker or Trading Symbol <u>PLIANT THERAPEUTICS, INC. [PLRX]</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	279,720	D ⁽¹⁾⁽²⁾⁽⁶⁾	

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	(3)	(3)	Common Stock	5,559,440	(3)	D ⁽¹⁾⁽²⁾⁽⁶⁾	
Series A Preferred Stock	(3)	(3)	Common Stock	2,132,867	(3)	I	See footnotes ⁽⁴⁾⁽⁵⁾⁽⁶⁾

1. Name and Address of Reporting Person*
Third Rock Ventures III, L.P.

 (Last) (First) (Middle)
 C/O THIRD ROCK VENTURES, LLC,
 29 NEWBURY STREET, 3RD FLOOR

 (Street)
 BOSTON MA 02116

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
Third Rock Ventures GP III, L.P.

 (Last) (First) (Middle)
 29 NEWBURY STREET, 3RD FLOOR

 (Street)
 BOSTON MA 02116

 (City) (State) (Zip)

(City) (State) (Zip)

1. Name and Address of Reporting Person*

TRV GP III, LLC

(Last) (First) (Middle)

29 NEWBURY STREET, 3RD FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person*

LEVIN MARK J

(Last) (First) (Middle)

C/O THIRD ROCK VENTURES, LLC
29 NEWBURY STREET, 3RD FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person*

STARR KEVIN P

(Last) (First) (Middle)

C/O THIRD ROCK VENTURES, LLC
29 NEWBURY STREET, 3RD FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person*

TEPPER ROBERT I

(Last) (First) (Middle)

C/O THIRD ROCK VENTURES, LLC
29 NEWBURY STREET, 3RD FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person*

Third Rock Ventures IV, L.P.

(Last) (First) (Middle)

29 NEWBURY STREET, 3RD FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person*

Third Rock Ventures GP IV, L.P.

(Last)	(First)	(Middle)
29 NEWBURY STREET, 3RD FLOOR		
<hr/>		
(Street)		
BOSTON	MA	02116
<hr/>		
(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
<u>TRV GP IV, LLC</u>		
<hr/>		
(Last)	(First)	(Middle)
29 NEWBURY STREET, 3RD FLOOR		
<hr/>		
(Street)		
BOSTON	MA	02116
<hr/>		
(City)	(State)	(Zip)

Explanation of Responses:

1. These shares are directly held by Third Rock Ventures III, L.P. ("TRV III").
2. The general partner of TRV III is Third Rock Ventures GP III, L.P. ("TRV GP III"). The general partner of TRV GP III is TRV GP III, LLC ("TRV GP III LLC"). The individual managers of TRV GP III LLC are Mark Levin ("Levin"), Kevin Starr ("Starr") and Dr. Robert Tepper ("Tepper"). Each of TRV GP III, TRV GP III LLC, Levin, Starr and Tepper disclaims beneficial ownership of these shares except to the extent of its or his pecuniary interest therein, if any, and this report shall not be deemed an admission that it or he is the beneficial owner of such shares.
3. Each share of Series A Preferred Stock is convertible on a 7.15-for-1 basis into Common Stock at any time at the election of the Reporting Person and will automatically convert upon the closing of the Issuer's initial public offering into the number of shares of the Issuer's Common Stock shown in column 3 without payment or further consideration. The Series A Preferred Stock has no expiration date.
4. These shares are directly held by Third Rock Ventures IV, L.P. ("TRV IV").
5. The general partner of TRV IV is Third Rock Ventures GP IV, L.P. ("TRV GP IV"). The general partner of TRV GP IV is TRV GP IV, LLC ("TRV GP IV LLC"). Each of TRV GP IV and TRV GP IV LLC disclaims beneficial ownership of these shares except to the extent of its pecuniary interest therein, if any, and this report shall not be deemed an admission that it or he is the beneficial owner of such shares.
6. Each of Reporting Persons disclaims the existence of a Section 13(d) "group" as between the TRV III related parties and the TRV IV related parties and this report shall not be deemed an admission that any of such parties is or may be part of such a group with any of the other parties.

Remarks:

/s/ Kevin Gillis, Chief Operating Officer of TRV GP III, LLC, general partner of Third Rock Ventures GP III, L.P., general partner of Third Rock Ventures III, L.P. 06/02/2020

/s/ Kevin Gillis, Chief Operating Officer of TRV GP III, LLC, general partner of Third Rock Ventures GP III, L.P. 06/02/2020

/s/ Kevin Gillis, Chief Operating Officer of TRV GP III, LLC 06/02/2020

/s/ Kevin Gillis by power of attorney for Mark Levin 06/02/2020

/s/ Kevin Gillis by power of attorney for Kevin Starr 06/02/2020

/s/ Kevin Gillis by power of attorney for Dr. Robert Tepper 06/02/2020

/s/ Kevin Gillis, Chief Operating Officer of TRV GP IV, LLC, general partner of Third Rock Ventures GP IV, L.P., general partner of Third Rock Ventures IV, L.P. 06/02/2020

/s/ Kevin Gillis, Chief Operating Officer of TRV GP IV, LLC, general 06/02/2020

partner of Third Rock
Ventures GP IV, L.P.

/s/ Kevin Gillis, Chief

Operating Officer of TRV GP IV, LLC 06/02/2020

** 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 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.