

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

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>MPM BioVentures 2014, L.P.</u> <hr/> (Last) (First) (Middle) C/O MPM CAPITAL 450 KENDALL STREET <hr/> (Street) CAMBRIDGE MA 02142 <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Harpoon Therapeutics, Inc. [HARP]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) Former 10% Owner
	3. Date of Earliest Transaction (Month/Day/Year) <u>04/15/2021</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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	04/13/2021		S ⁽¹⁾		1,657 ⁽²⁾	D	\$19.35 ⁽³⁾	3,223,853	I	See Footnote ⁽⁴⁾
Common Stock	04/13/2021		S ⁽¹⁾		286 ⁽²⁾	D	\$20.08 ⁽⁵⁾	3,223,567	I	See Footnote ⁽⁶⁾
Common Stock	04/14/2021		S ⁽¹⁾		121 ⁽²⁾	D	\$20.06 ⁽⁷⁾	3,223,446	I	See Footnote ⁽⁸⁾
Common Stock	04/14/2021		S ⁽¹⁾		1,550 ⁽²⁾	D	\$20.83 ⁽⁹⁾	3,221,896	I	See Footnote ⁽¹⁰⁾
Common Stock	04/15/2021		S ⁽¹⁾		1,052 ⁽²⁾	D	\$20.49 ⁽¹¹⁾	3,220,844	I	See Footnote ⁽¹²⁾

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					

1. Name and Address of Reporting Person*
MPM BioVentures 2014, L.P.

 (Last) (First) (Middle)
 C/O MPM CAPITAL
 450 KENDALL STREET

 (Street)
 CAMBRIDGE MA 02142

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
MPM ASSET MANAGEMENT LLC

 (Last) (First) (Middle)
 C/O MPM CAPITAL
 450 KENDALL STREET

 (City) (State) (Zip)

(Street)
CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[MPM BioVentures 2014 \(B\), L.P.](#)

(Last) (First) (Middle)

C/O MPM CAPITAL
450 KENDALL STREET

(Street)
CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[MPM Asset Management Investors BV2014 LLC](#)

(Last) (First) (Middle)

C/O MPM CAPITAL
450 KENDALL STREET

(Street)
CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[MPM BioVentures 2014 LLC](#)

(Last) (First) (Middle)

C/O MPM CAPITAL
450 KENDALL STREET

(Street)
CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[MPM BioVentures 2014 GP LLC](#)

(Last) (First) (Middle)

C/O MPM CAPITAL
450 KENDALL STREET

(Street)
CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[Foley Todd](#)

(Last) (First) (Middle)

C/O MPM CAPITAL
450 KENDALL STREET

(Street)
CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[EVNIN LUKE](#)

(Last) (First) (Middle)

C/O MPM CAPITAL

450 KENDALL STREET

(Street)

CAMBRIDGE MA 02142

(City)

(State)

(Zip)

Explanation of Responses:

1. Transaction effected pursuant to a plan established pursuant to Rule 10b5-1 on 3/16/2021.
2. The shares were sold by MPM Asset Management LLC ("AM LLC").
3. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$18.98 to \$19.88 inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
4. The shares are held as follows: 2,657,097 by MPM BioVentures 2014, L.P. ("BV 2014"), 152,470 by MPM BioVentures 2014(B), L.P. ("BV 2014(B)"), 96,376 by MPM Asset Management Investors BV2014 LLC ("AM BV2014") and 317,910 by AM LLC. MPM BioVentures 2014 GP LLC and MPM BioVentures 2014 LLC ("BV LLC") are the direct and indirect general partners of BV 2014 and BV 2014(B). BV LLC is the manager of AM BV2014. Messrs. Evin and Foley are the members of BV LLC and Mr. Evin is a member of AM LLC. Each Reporting Person disclaims beneficial ownership of the securities except to the extent of his or its pecuniary interest therein.
5. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$19.89 to \$20.50 inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
6. The shares are held as follows: 2,657,097 by BV 2014, 152,470 by BV 2014(B), 96,376 by AM BV2014 and 317,624 by AM LLC. Each Reporting Person disclaims beneficial ownership of the securities except to the extent of his or its pecuniary interest therein.
7. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$19.44 to \$20.39 inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
8. The shares are held as follows: 2,657,097 by BV 2014, 152,470 by BV 2014(B), 96,376 by AM BV2014 and 317,503 by AM LLC. Each Reporting Person disclaims beneficial ownership of the securities except to the extent of his or its pecuniary interest therein.
9. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$20.52 to \$21.18 inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
10. The shares are held as follows: 2,657,097 by BV 2014, 152,470 by BV 2014(B), 96,376 by AM BV2014 and 315,953 by AM LLC. Each Reporting Person disclaims beneficial ownership of the securities except to the extent of his or its pecuniary interest therein.
11. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$20.15 to \$20.99 inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
12. The shares are held as follows: 2,657,097 by BV 2014, 152,470 by BV 2014(B), 96,376 by AM BV2014 and 314,901 by AM LLC. Each Reporting Person disclaims beneficial ownership of the securities except to the extent of his or its pecuniary interest therein.

Remarks:

/s/ Ansbert Gadicke, managing director of MPM BioVentures 2014 LLC, the managing member of MPM BioVentures 2014 GP LLC, the general partner of MPM BioVentures 2014, L.P. 04/15/2021

/s/ Ansbert Gadicke, Member of MPM Asset Management LLC 04/15/2021

/s/ Ansbert Gadicke, managing director of MPM BioVentures 2014 LLC, the managing member of MPM BioVentures 2014 GP LLC, the general partner of MPM BioVentures 2014 (B), L.P. 04/15/2021

/s/ Ansbert Gadicke, managing director of MPM BioVentures 2014 LLC, the manager of MPM Asset Management Investors BV2014 LLC 04/15/2021

/s/ Ansbert Gadicke, managing director of MPM BioVentures 2014 LLC 04/15/2021

/s/ Ansbert Gadicke, managing director of MPM BioVentures 2014 LLC, the managing member of MPM BioVentures 2014 GP LLC 04/15/2021

/s/ Todd Foley 04/15/2021

/s/ Luke Evin 04/15/2021

** 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.