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

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**SCHEDULE 13G**

**UNDER THE SECURITIES EXCHANGE ACT OF 1934  
(Amendment No.    )\***

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**Dyne Therapeutics, Inc.**  
(Name of Issuer)

**Common Stock**  
(Title of Class of Securities)

**26818M108**  
(CUSIP Number)

**December 31, 2020**  
(Date of Event Which Requires Filing of This Statement)

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Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1.	Name of Reporting Persons MPM BioVentures 2018, L.P.	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 4,614,943
	6.	Shared Voting Power 0
	7.	Sole Dispositive Power 4,614,943
	8.	Shared Dispositive Power 0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 4,614,943	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9) 10.2%	
12.	Type of Reporting Person (See Instructions) PN	

1.	Name of Reporting Persons	
	MPM BioVentures 2018 (B), L.P.	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization	
	Germany	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power
		245,279
	6.	Shared Voting Power
		0
	7.	Sole Dispositive Power
		245,279
	8.	Shared Dispositive Power
		0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person	
	245,279	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)	
	0.5%	
12.	Type of Reporting Person (See Instructions)	
	PN	

1.	Name of Reporting Persons	
	MPM Asset Management Investors BV2018 LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 91,081
	6.	Shared Voting Power 0
	7.	Sole Dispositive Power 91,081
	8.	Shared Dispositive Power 0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 91,081	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9) 0.2%	
12.	Type of Reporting Person (See Instructions) OO	

1.	Name of Reporting Persons MPM BioVentures 2018 GP LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 4,860,222*
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 4,860,222*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 4,860,222*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9) 10.7%	
12.	Type of Reporting Person (See Instructions) PN	

\* Consists of 4,614,943 shares held by MPM BioVentures 2018, L.P. ("BV 2018") and 245,279 shares held by MPM BioVentures 2018(B), L.P. ("BV 2018(B)"). MPM BV BioVentures 2018 GP LLC ("BV 2018 GP") and MPM BioVentures 2018 LLC ("BV 2018 LLC") are the direct and indirect general partners of BV 2018 and BV 2018(B).

1.	Name of Reporting Persons MPM BioVentures 2018 LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 4,951,303*
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 4,951,303*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 4,951,303*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9) 10.9%	
12.	Type of Reporting Person (See Instructions) OO	

\* Consists of 4,614,943 shares held by BV 2018, 245,279 shares held by BV 2018(B) and 91,081 shares held by MPM Asset Management Investors BV2018 LLC ("AM BV 2018 LLC"). BV 2018 GP and BV 2018 LLC are the direct and indirect general partners of BV 2018 and BV 2018(B). BV 2018 LLC is the manager of AM BV 2018 LLC.

1.	Name of Reporting Persons Luke Evnin
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3.	SEC USE ONLY
4.	Citizenship or Place of Organization United States
Number of Shares Beneficially Owned by Each Reporting Person With:	5. Sole Voting Power 0
	6. Shared Voting Power 4,951,303*
	7. Sole Dispositive Power 0
	8. Shared Dispositive Power 4,951,303*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 4,951,303*
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
11.	Percent of Class Represented by Amount in Row (9) 10.9%
12.	Type of Reporting Person (See Instructions) IN

\* Consists of 4,614,943 shares held by BV 2018, 245,279 shares held by BV 2018(B) and 91,081 shares held by AM BV 2018 LLC. The Reporting Person is a managing director of BV 2018 LLC.

1.	Name of Reporting Persons Ansbert Gadicke	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 4,951,303*
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 4,951,303*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 4,951,303*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9) 10.9%	
12.	Type of Reporting Person (See Instructions) IN	

\* Consists of 4,614,943 shares held by BV 2018, 245,279 shares held by BV 2018(B) and 91,081 shares held by AM BV 2018 LLC. The Reporting Person is a managing director of BV 2018 LLC.



1.	Name of Reporting Persons Todd Foley	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 4,951,303*
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 4,951,303*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 4,951,303*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9) 10.9%	
12.	Type of Reporting Person (See Instructions) IN	

\* Consists of 4,614,943 shares held by BV 2018, 245,279 shares held by BV 2018(B) and 91,081 shares held by AM BV 2018 LLC. The Reporting Person is a managing director of BV 2018 LLC.

1.	Name of Reporting Persons Ed Hurwitz
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3.	SEC USE ONLY
4.	Citizenship or Place of Organization United States
Number of Shares Beneficially Owned by Each Reporting Person With:	5. Sole Voting Power 0
	6. Shared Voting Power 4,951,303*
	7. Sole Dispositive Power 0
	8. Shared Dispositive Power 4,951,303*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 4,951,303*
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
11.	Percent of Class Represented by Amount in Row (9) 10.9%
12.	Type of Reporting Person (See Instructions) IN

\* Consists of 4,614,943 shares held by BV 2018, 245,279 shares held by BV 2018(B) and 91,081 shares held by AM BV 2018 LLC. The Reporting Person is a managing director of BV 2018 LLC.

**Item 1.**

- (a) Name of Issuer  
Dyne Therapeutics, Inc.
- (b) Address of Issuer's Principal Executive Offices  
80 Winter Street  
Waltham MA 02451

**Item 2.**

- (a) Name of Person Filing  
MPM BioVentures 2018, L.P.  
MPM BioVentures 2018(B), L.P.  
MPM Asset Management Investors BV2018 LLC  
MPM BioVentures 2018 GP LLC  
MPM BioVentures 2018 LLC  
Luke Evnin  
Ansbert Gadicke  
Todd Foley  
Ed Hurwitz
- (b) Address of Principal Business Office or, if none, Residence  
c/o MPM Capital LLC  
450 Kendall Street  
Cambridge, MA 02142
- (c) Citizenship  
All entities were organized in Delaware. The individuals are all United States citizens.
- (d) Title of Class of Securities  
Common Stock
- (e) CUSIP Number  
26818M108

**Item 3. If this statement is filed pursuant to §§240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filing is a:**  
Not applicable

**Item 4. Ownership**

<u>MPM Entity</u>	<u>Shares Held Directly</u>	<u>Sole Voting Power</u>	<u>Shared Voting Power</u>	<u>Sole Dispositive Power</u>	<u>Shared Dispositive Power</u>	<u>Beneficial Ownership</u>	<u>Percentage of Class</u>
BV 2018	4,614,943	4,614,943	0	4,614,943	0	4,614,943	10.2%
BV 2018(B)	245,279	245,279	0	245,279	0	245,279	0.5%
AM BV 2018 LLC	91,081	91,081	0	91,081	0	91,081	0.2%
BV 2018 GP(1)	0	0	4,860,222	0	4,860,222	4,860,222	10.7%
BV 2018 LLC(2)	0	0	4,951,303	0	4,951,303	4,951,303	10.9%
Luke Evnin(3)	0	0	4,951,303	0	4,951,303	4,951,303	10.9%
Ansbert Gadicke(3)	0	0	4,951,303	0	4,951,303	4,951,303	10.9%
Todd Foley(3)	0	0	4,951,303	0	4,951,303	4,951,303	10.9%
Ed Hurwitz(3)	0	0	4,951,303	0	4,951,303	4,951,303	10.9%

- (1) Consists of 4,614,943 shares held by BV 2018 and 245,279 shares held by BV 2018(B). BV 2018 GP and BV 2018 LLC are the direct and indirect general partners of BV 2018 and BV 2018(B).
- (2) Consists of 4,614,943 shares held by BV 2018, 245,279 shares held by BV 2018(B) and 91,081 shares held by AM BV2018 LLC. BV 2018 GP and BV 2018 LLC are the direct and indirect general partners of BV 2018 and BV 2018(B). BV 2018 LLC is the manager of AM BV2018 LLC.
- (3) Consists of 4,614,943 shares held by BV 2018, 245,279 shares held by BV 2018(B) and 91,081 shares held by AM BV2018 LLC. The Reporting Person is a managing director of BV 2018 LLC.

**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

Not Applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.**

Not Applicable

**Item 8. Identification and Classification of Members of the Group**

Not Applicable

**Item 9. Notice of Dissolution of a Group**

Not Applicable

**Item 10. Certification**

Not Applicable

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 11, 2021

**MPM BioVENTURES 2018, L.P.**

By: MPM BioVentures 2018 GP LLC,  
its General Partner

By: MPM BioVentures 2018 LLC,  
Its Managing Member

By: /s/ Luke Evnin

Name: Luke Evnin

Title: Managing Director

**MPM BioVENTURES 2018 (B), L.P.**

By: MPM BioVentures 2018 GP LLC,  
its General Partner

By: MPM BioVentures 2018 LLC,  
Its Managing Member

By: /s/ Luke Evnin

Name: Luke Evnin

Title: Managing Director

**MPM ASSET MANAGEMENT INVESTORS BV2018 LLC**

By: MPM BioVentures 2018 LLC,  
Its Manager

By: /s/ Luke Evnin

Name: Luke Evnin

Title: Managing Director

**MPM BioVENTURES 2018 GP LLC**

By: MPM BioVentures 2018 LLC,  
Its Managing Member

By: /s/ Luke Evnin

Name: Luke Evnin

Title: Managing Director

**MPM BIOVENTURES 2018 LLC**

By: /s/ Luke Evin  
Name: Luke Evin  
Title: Managing Director

By: /s/ Todd Foley  
Name: Todd Foley

By: /s/ Luke Evin  
Name: Luke Evin

By: /s/ Ansbert Gadicke  
Name: Ansbert Gadicke

By: /s/ Edward Hurwitz  
Name: Edward Hurwitz

**EXHIBITS**

A: Joint Filing Agreement

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a statement on Schedule 13G (including amendments thereto) with respect to the Common Stock of Dyne Therapeutics, Inc. and further agree that this agreement be included as an exhibit to such filing. Each party to the agreement expressly authorizes each other party to file on its behalf any and all amendments to such statement. Each party to this agreement agrees that this joint filing agreement may be signed in counterparts.

In evidence whereof, the undersigned have caused this Agreement to be executed on their behalf this 11th day of February, 2021.

**MPM BIOVENTURES 2018, L.P.**

By: MPM BioVentures 2018 GP LLC,  
its General Partner

By: MPM BioVentures 2018 LLC,  
Its Managing Member

By: /s/ Luke Evnin

Name: Luke Evnin

Title: Managing Director

**MPM BIOVENTURES 2018 (B), L.P.**

By: MPM BioVentures 2018 GP LLC,  
its General Partner

By: MPM BioVentures 2018 LLC,  
Its Managing Member

By: /s/ Luke Evnin

Name: Luke Evnin

Title: Managing Director

**MPM ASSET MANAGEMENT INVESTORS BV2018  
LLC**

By: MPM BioVentures 2018 LLC,  
Its Manager

By: /s/ Luke Evnin

Name: Luke Evnin

Title: Managing Director

**MPM BIOVENTURES 2018 GP LLC**

By: MPM BioVentures 2018 LLC,  
Its Managing Member

By: /s/ Luke Evnin

Name: Luke Evnin

Title: Managing Director

**MPM BIOVENTURES 2018 LLC**

By: /s/ Luke Evin  
Name: Luke Evin  
Title: Managing Director

By: /s/ Todd Foley  
Name: Todd Foley

By: /s/ Luke Evin  
Name: Luke Evin

By: /s/ Ansbert Gadicke  
Name: Ansbert Gadicke

By: /s/ Edward Hurwitz  
Name: Edward Hurwitz