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

SCHEDULE 13G

**UNDER THE SECURITIES EXCHANGE ACT OF 1934
(Amendment No. 2)***

Dyne Therapeutics, Inc.

(Name of Issuer)

Common Stock
(Title of Class of Securities)

26818M108
(CUSIP Number)

December 31, 2023
(Date of Event Which Requires Filing of This Statement)

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
		3,216,844
	6.	Shared Voting Power
		0
	7.	Sole Dispositive Power
		3,216,844
	8.	Shared Dispositive Power
		0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person	
	3,216,844	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
	<input type="checkbox"/>	
11.	Percent of Class Represented by Amount in Row (9)	
	4.0%	
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 170,971
	6. Shared Voting Power 0
	7. Sole Dispositive Power 170,971
	8. Shared Dispositive Power 0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 170,971
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="checkbox"/>
11.	Percent of Class Represented by Amount in Row (9) 0.2%
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
		63,488
	6.	Shared Voting Power
		0
	7.	Sole Dispositive Power
		63,488
	8.	Shared Dispositive Power
		0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person	
	63,488	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
	<input type="checkbox"/>	
11.	Percent of Class Represented by Amount in Row (9)	
	0.1%	
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 3,387,815*
	7. Sole Dispositive Power 0
	8. Shared Dispositive Power 3,387,815*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 3,387,815*
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="checkbox"/>
11.	Percent of Class Represented by Amount in Row (9) 4.2%
12.	Type of Reporting Person (See Instructions) PN

* Consists of 3,216,844 shares held by MPM BioVentures 2018, L.P. ("BV 2018") and 170,971 shares held by MPM BioVentures 2018(B), L.P. ("BV 2018(B)"). MPM 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 3,451,303*
	7. Sole Dispositive Power 0
	8. Shared Dispositive Power 3,451,303*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 3,451,303*
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="checkbox"/>
11.	Percent of Class Represented by Amount in Row (9) 4.3%
12.	Type of Reporting Person (See Instructions) OO

* Consists of 3,216,844 shares held by BV 2018, 170,971 shares held by BV 2018(B) and 63,488 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
		3,451,303*
	7.	Sole Dispositive Power
		0
	8.	Shared Dispositive Power
		3,451,303*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person	
	3,451,303*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
	<input type="checkbox"/>	
11.	Percent of Class Represented by Amount in Row (9)	
	4.3%	
12.	Type of Reporting Person (See Instructions)	
	IN	

* Consists of 3,216,844 shares held by BV 2018, 170,971 shares held by BV 2018(B) and 63,488 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 3,451,303*
	7. Sole Dispositive Power 0
	8. Shared Dispositive Power 3,451,303*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 3,451,303*
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="checkbox"/>
11.	Percent of Class Represented by Amount in Row (9) 4.3%
12.	Type of Reporting Person (See Instructions) IN

* Consists of 3,216,844 shares held by BV 2018, 170,971 shares held by BV 2018(B) and 63,488 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
		3,451,303*
	7.	Sole Dispositive Power
		0
	8.	Shared Dispositive Power
		3,451,303*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person	
	3,451,303*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
	<input type="checkbox"/>	
11.	Percent of Class Represented by Amount in Row (9)	
	4.3%	
12.	Type of Reporting Person (See Instructions)	
	IN	

* Consists of 3,216,844 shares held by BV 2018, 170,971 shares held by BV 2018(B) and 63,488 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
1560 Trapelo Road
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
- (b) Address of Principal Business Office or, if none, Residence
c/o MPM Capital LLC
399 Boylston Street, Suite 1100
Boston, MA 02116
- (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

The following ownership information is presented as of February 12, 2024.

<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(4)</u>
BV 2018	3,216,844	3,216,844	0	3,216,844	0	3,216,844	4.0%
BV 2018(B)	170,971	170,971	0	170,971	0	170,971	0.2%
AM BV 2018 LLC	63,488	63,488	0	63,488	0	63,488	0.1%
BV 2018 GP(1)	0	0	3,387,815	0	3,387,815	3,387,815	4.2%
BV 2018 LLC(2)	0	0	3,451,303	0	3,451,303	3,451,303	4.3%
Luke Evnin(3)	0	0	3,451,303	0	3,451,303	3,451,303	4.3%
Ansbert Gadicke(3)	0	0	3,451,303	0	3,451,303	3,451,303	4.3%
Todd Foley(3)	0	0	3,451,303	0	3,451,303	3,451,303	4.3%

- (1) Consists of 3,216,844 shares held by BV 2018 and 170,971 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 3,216,844 shares held by BV 2018, 170,971 shares held by BV 2018(B) and 63,488 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 3,216,844 shares held by BV 2018, 170,971 shares held by BV 2018(B) and 63,488 shares held by AM BV2018 LLC. The Reporting Person is a managing director of BV 2018 LLC.
- (4) Percentage ownership is based on 81,106,148 shares outstanding as of January 11, 2024, as disclosed in the Issuer's prospectus supplement dated January 4, 2024, filed with the Securities and Exchange Commission on January 5, 2024.

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 12, 2024

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

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 12th day of February, 2024.

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