SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b)(c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b)

(Amendment No.) *

Syros Pharmaceuticals, Inc.
(Name of Issuer)
Common Stock, par value \$0.001 per share
(Title of Class of Securities)
87184Q107
(CUSIP Number)
July 6, 2016
(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)
(Page 1 of 11 Pages)

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 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).

^{*} 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.

1.	NAME OF REPORTING PER I.R.S. IDENTIFICATION NO	RSONS OF ABOVE PERSONS (ENTITIES ONLY)
	Deerfield Mgmt, L.P.	
2.	CHECK THE APPROPRIATE A GROUP*	E BOX IF A MEMBER OF (a) □ (b) 🗷
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF	F ORGANIZATION
	Delaware	
	5.	SOLE VOTING POWER
NUMBER OF		0
SHARES BENEFICIALLY	6.	SHARED VOTING POWER
OWNED BY EACH		628,566 (1)
REPORTING	7.	SOLE DISPOSITIVE POWER
PERSON WITH		0
	8.	SHARED DISPOSITIVE POWER
		628,566 (1)
9.	AGGREGATE AMOUNT BE PERSON	NEFICIALLY OWNED BY EACH REPORTING
	628,566 (1)	
10.	CHECK BOX IF THE AGGR (9) EXCLUDES CERTAIN SI	EGATE AMOUNT IN ROW HARES*
11.	PERCENT OF CLASS REPRI	ESENTED BY AMOUNT IN ROW 9
	2.69%	
12.	TYPE OF REPORTING PERS	GON*
	PN	

⁽¹⁾ Comprised of Common Stock held by Deerfield Special Situations Fund, L.P. of which Deerfield Mgmt, L.P. is the general partner.

1.	Deerfield Management Con	NO. OF ABOVE PERSONS (ENTITIES ONLY) npany, L.P.
2.	CHECK THE APPROPRIA OF A GROUP*	ATE BOX IF A MEMBER (a) ☐ (b) ☑
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE Delaware	OF ORGANIZATION
	5.	SOLE VOTING POWER
NUMBER OF		0
SHARES BENEFICIALLY	6.	SHARED VOTING POWER
OWNED BY EACH		2,095,220 (2)
REPORTING	7.	SOLE DISPOSITIVE POWER
PERSON WITH		0
	8.	SHARED DISPOSITIVE POWER
		2,095,220 (2)
9.	AGGREGATE AMOUNT PERSON	BENEFICIALLY OWNED BY EACH REPORTING
	2,095,220 (2)	
10.	CHECK BOX IF THE AGROW (9) EXCLUDES CE	
11.	PERCENT OF CLASS RE	PRESENTED BY AMOUNT IN ROW 9
	8.97%	
12.	TYPE OF REPORTING PE	ERSON*
	PN	

⁽²⁾ Comprised of Common Stock held by Deerfield Private Design Fund III, L.P. and Deerfield Special Situations Fund, L.P. of which Deerfield Management Company, L.P. is the investment advisor.

	T	
1.	NAME OF REPORTING FIRES. IDENTIFICATION	PERSONS NO. OF ABOVE PERSONS (ENTITIES ONLY)
	Deerfield Mgmt III, L.P.	
2.	CHECK THE APPROPRIA OF A GROUP*	ATE BOX IF A MEMBER (a) ☐ (b) 🗷
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE	E OF ORGANIZATION
	Delaware	
	5.	SOLE VOTING POWER
NUMBER OF		0
SHARES BENEFICIALLY	6.	SHARED VOTING POWER
OWNED BY EACH		1,466,654 (3)
REPORTING	7.	SOLE DISPOSITIVE POWER
PERSON WITH		0
	8.	SHARED DISPOSITIVE POWER
		1,466,654 (3)
9.	AGGREGATE AMOUNT PERSON	BENEFICIALLY OWNED BY EACH REPORTING
	1,466,654 (3)	
10.	CHECK BOX IF THE AGO ROW (9) EXCLUDES CEI	
11.	PERCENT OF CLASS REI	PRESENTED BY AMOUNT IN ROW 9
	6.28%	
12.	TYPE OF REPORTING PE	ERSON*
	PN	

⁽³⁾ Comprised of Common Stock held by Deerfield Private Design Fund III, L.P. of which Deerfield Mgmt III, L.P. is the general partner.

2.	Deerfield Special Situation	NO. OF ABOVE PERSONS (ENTITIES ONLY)
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE	E OF ORGANIZATION
	5.	SOLE VOTING POWER
NUMBER OF		0
SHARES BENEFICIALLY	6.	SHARED VOTING POWER
OWNED BY		628,566
EACH REPORTING	7.	SOLE DISPOSITIVE POWER
PERSON WITH		0
	8.	SHARED DISPOSITIVE POWER
		628,566
9.	AGGREGATE AMOUNT PERSON	BENEFICIALLY OWNED BY EACH REPORTING
	628,566	
10.	CHECK BOX IF THE AG ROW (9) EXCLUDES CE	
11.	PERCENT OF CLASS RE	PRESENTED BY AMOUNT IN ROW 9
	2.69%	
12.	TYPE OF REPORTING P	ERSON*
	PN	

1.	Deerfield Private Design Fur	O. OF ABOVE PERSONS (ENTITIES ONLY) nd III, L.P.
2.	CHECK THE APPROPRIA' OF A GROUP*	TE BOX IF A MEMBER (a) □ (b) 🗷
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE (Delaware	OF ORGANIZATION
	5.	SOLE VOTING POWER
NUMBER OF		0
SHARES BENEFICIALLY	6.	SHARED VOTING POWER
OWNED BY EACH		1,466,654
REPORTING	7.	SOLE DISPOSITIVE POWER
PERSON WITH		0
	8.	SHARED DISPOSITIVE POWER
		1,466,654
9.	AGGREGATE AMOUNT B PERSON	ENEFICIALLY OWNED BY EACH REPORTING
	1,466,654	
10.	CHECK BOX IF THE AGG ROW (9) EXCLUDES CER'	
11.	PERCENT OF CLASS REPI	RESENTED BY AMOUNT IN ROW 9
	6.28%	
12.	TYPE OF REPORTING PER	RSON*
	PN	

1.	NAME OF REPORTING PERSO I.R.S. IDENTIFICATION NO. O James E. Flynn	ONS F ABOVE PERSONS (ENTITIES ONLY)
2.	CHECK THE APPROPRIATE B OF A GROUP*	OX IF A MEMBER (a) □ (b) ☑
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF O United States	PRGANIZATION
	5.	SOLE VOTING POWER
NUMBER OF		0
SHARES BENEFICIALLY	6.	SHARED VOTING POWER
OWNED BY EACH		2,095,220 (4)
REPORTING	7.	SOLE DISPOSITIVE POWER
PERSON WITH		0
	8.	SHARED DISPOSITIVE POWER
		2,095,220 (4)
9.	AGGREGATE AMOUNT BENE PERSON	FICIALLY OWNED BY EACH REPORTING
	2,095,220 (4)	
10.	CHECK BOX IF THE AGGREG ROW (9) EXCLUDES CERTAIN	
11.	PERCENT OF CLASS REPRESE	ENTED BY AMOUNT IN ROW 9
	8.97%	
12.	TYPE OF REPORTING PERSON	1*
	IN	

⁽⁴⁾ Comprised of Common Stock held by Deerfield Private Design Fund III, L.P. and Deerfield Special Situations Fund, L.P.

Item 1(a).	Name of Issuer:
	Syros Pharmaceuticals, Inc.
Item 1(b).	Address of Issuer's Principal Executive Offices:
	620 Memorial Drive, Suite 300 Cambridge, MA 02139
Item 2(a).	Name of Person Filing:
	James E. Flynn, Deerfield Mgmt, L.P., Deerfield Mgmt III, L.P., Deerfield Management Company, L.P., Deerfield Special Situations Fund, L.P. and Deerfield Private Design Fund III, L.P.
Item 2(b).	Address of Principal Business Office, or if None, Residence:
	James E. Flynn, Deerfield Mgmt, L.P., Deerfield Mgmt III, L.P., Deerfield Management Company, L.P., Deerfield Special Situations Fund, L.P., and Deerfield Private Design Fund III, L.P., 780 Third Avenue, 37th Floor, New York, NY 10017
Item 2(c).	Citizenship:
	Deerfield Mgmt, L.P., Deerfield Mgmt III, L.P., Deerfield Management Company, L.P., Deerfield Private Design Fund III, L.P. and Deerfield Special Situations Fund, L.P Delaware limited partnerships; James E. Flynn – United States citizen
Item 2(d).	Title of Class of Securities:
	Common Stock, par value \$0.001 per share
Item 2(e).	CUSIP Number:
	87184Q107
Item 3.	If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:
(a)	☐ Broker or dealer registered under Section 15 of the Exchange Act.
(b)	☐ Bank as defined in Section 3(a)(6) of the Exchange Act.
(c)	☐ Insurance company as defined in Section 3(a)(19) of the Exchange Act.
(d)	☐ Investment company registered under Section 8 of the Investment Company Act.
(e)	☐ An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);

(f)	☐ An employee benefit plan or endowment fund in acco	rdance with Rule 13d-1(b)(1)(ii)(F);
(g)	☐ A parent holding company or control person in accord	lance with Rule 13d-1(b)(1)(ii)(G);
(h)	\square A savings association as defined in Section 3(b) of t	he Federal Deposit Insurance Act;
(i)	☐ A church plan that is excluded from the definition of Investment Company Act;	an investment company under Section 3(c)(14) of the
(j)	☐ A non-U.S. institution in accordance with Rule 13d-1	(b)(1)(ii)(J);
(k)	\square Group, in accordance with Rule 13d-1(b)(1)(ii)(K).	
If filing a	s a non-U.S. institution in accordance with Rule 13d-1(b)(1)	(ii)(J), please specify the type of institution:
Item 4.	Ownership.	
Provide identified in	the following information regarding the aggregate number a Item 1.	nd percentage of the class of securities of the issuer
(a)	Amount beneficially owned**:	
	Deerfield Mgmt, L.P 628,566 shares Deerfield Mgmt III, L.P 1,466,654 shares Deerfield Management Company, L.P 2,095,220 shares Deerfield Special Situations Fund, L.P 628,566 shares Deerfield Private Design Fund III, L.P 1,466,654 shares James E. Flynn - 2,095,220 shares	
(b)	Percent of class**:	
	Deerfield Mgmt, L.P 2.69% Deerfield Mgmt III, L.P 6.28% Deerfield Management Company, L.P 8.97% Deerfield Special Situations Fund, L.P 2.69% Deerfield Private Design Fund III, L.P 6.28% James E. Flynn - 8.97%	
(c)	Number of shares as to which such person has**:	
	(i) Sole power to vote or to direct the vote:	All Reporting Persons - 0
	(ii) Shared power to vote or to direct the vote:	Deerfield Mgmt, L.P 628,566 shares Deerfield Mgmt III, L.P 1,466,654 shares Deerfield Management Company, L.P 2,095,220 shares Deerfield Special Situations Fund, L.P 628,566 shares Deerfield Private Design Fund III, L.P 1,466,654 shares James E. Flynn - 2,095,220 shares

(iii) Sole power to dispose or to direct the disposition of:

(iv) Shared power to dispose or to direct the disposition of:

All Reporting Persons - 0

Deerfield Mgmt, L.P. - 628,566 shares
Deerfield Mgmt III, L.P. - 1,466,654 shares
Deerfield Management Company,
L.P. - 2,095,220 shares
Deerfield Special Situations Fund,
L.P. - 628,566 shares
Deerfield Private Design Fund III,
L.P. - 1,466,654 shares
James E. Flynn - 2,095,220 shares

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 \Box .

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

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than five percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employee benefit plan, pension fund or endowment fund is not required.

N/A

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

If a parent holding company or Control person has filed this schedule, pursuant to Rule 13d-1(b)(1)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company or control person has filed this schedule pursuant to Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

N/A

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

If a group has filed this schedule pursuant to ss.240.13d-1(b)(1)(ii)(J), so indicate under Item 3(j) and attach an exhibit stating the identity and Item 3 classification of each member of the group. If a group has filed this schedule pursuant to ss.240.13d-1(c) or ss.240.13d-1(d), attach an exhibit stating the identity of each member of the group.

See Exhibit B

Item 9. Notice of Dissolution of Group.

Notice of dissolution of a group may be furnished as an exhibit stating the date of the dissolution and that all further filings with respect to transactions in the security reported on will be filed, if required, by members of the group, in their individual capacity. See Item 5.

N/A

Item 10. Certifications.

"By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under §240.14a–11."

^{**}See footnotes on cover pages which are incorporated by reference herein.

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.

DEERFIELD MGMT, L.P.

By: J.E. Flynn Capital, LLC, General Partner

By: /s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

DEERFIELD MANAGEMENT COMPANY, L.P.

By: Flynn Management LLC, General Partner

By: /s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

DEERFIELD MGMT III, L.P.

By: J.E. Flynn Capital III, LLC, General Partner

By: /s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

DEERFIELD SPECIAL SITUATIONS FUND, L.P.

By: Deerfield Mgmt, L.P., General Partner By: J.E. Flynn Capital, LLC, General Partner

By: /s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

DEERFIELD PRIVATE DESIGN FUND III, L.P.

By: Deerfield Mgmt III, L.P., General Partner

By: J.E. Flynn Capital III, LLC, General Partner

By: /s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

JAMES E. FLYNN

/s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

Date: July 6, 2016

Exhibit List

Exhibit A. Joint Filing Agreement.

Exhibit B. Item 8 Statement.

Exhibit C. Power of Attorney (1).

(1) Power of Attorney previously filed as Exhibit 24 to a Form 3 with regard to Editas Medicine, Inc. filed with the Securities and Exchange Commission on February 2, 2016 by Deerfield Mgmt, L.P., Deerfield Mgmt III, L.P., Deerfield Management Company, L.P., Deerfield Special Situations Fund, L.P., Deerfield Partners, L.P., Deerfield Private Design Fund, L.P., Deerfield PDI Financing, L.P., Deerfield PDI Financing II, L.P., Deerfield Private Design Fund II, L.P., Deerfield Private Design International II, L.P., Deerfield International Master Fund, L.P., Deerfield Healthcare Innovations Fund, L.P., Deerfield Mgmt HIF, L.P., Breaking Stick Holdings, LLC, Deerfield Private Design Fund III, L.P. and James E. Flynn.

Exhibit A

Joint Filing Agreement

The undersigned agree that this Schedule 13G, and all amendments thereto, relating to the Common Stock, par value \$0.001 of Syros Pharmaceuticals, Inc. shall be filed on behalf of the undersigned.

DEERFIELD MGMT, L.P.

By: J.E. Flynn Capital, LLC, General Partner

By: /s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

DEERFIELD MANAGEMENT COMPANY, L.P.

By: Flynn Management LLC, General Partner

By: /s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

DEERFIELD MGMT III, L.P.

By: J.E. Flynn Capital III, LLC, General Partner

By: /s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

DEERFIELD SPECIAL SITUATIONS FUND, L.P.

By: Deerfield Mgmt, L.P., General Partner By: J.E. Flynn Capital, LLC, General Partner

By: /s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

DEERFIELD PRIVATE DESIGN FUND III, L.P.

By: Deerfield Mgmt III, L.P., General Partner By: J.E. Flynn Capital III, LLC, General Partner

By: /s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

JAMES E. FLYNN

/s/ Jonathan Isler

Jonathan Isler, Attorney-In-Fact

Exhibit B

Due to the relationships between them, the reporting persons hereunder may be deemed to constitute a "group" with one another for purposes of Section 13(d)(3) of the Securities Exchange Act of 1934.