Flex Pharma, Inc. Form SC 13D/A May 19, 2016

## SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, DC 20549

#### **SCHEDULE 13D**

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 2)\*

Flex Pharma, Inc.

(Name of Issuer)

Common Stock, \$0.0001 par value

(Title of Class of Securities)

33938A 105

(CUSIP Number)

Christoph Westphal, M.D., Ph.D.

Longwood Fund Management

**Prudential Tower, Suite 1555** 

**800 Boylston Street** 

Boston, MA 02199

(617) 351-2590

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

## Edgar Filing: Flex Pharma, Inc. - Form SC 13D/A

## May 17, 2016

#### (Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. "

**Note:** Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

\* 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 disclosures provided in a prior cover page.

The information required on 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*).

13D

Page 1 of 12 Pages

1. Name of Reporting Persons

### Longwood Fund II, L.P.

2. Check the Appropriate Box if a Member of a Group (see instructions)

- (a) x (b) "
- 3. SEC USE ONLY
- 4. Source of Funds (see instructions)

#### N/A

- 5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "
- 6. Citizenship or Place of Organization

Delaware, U	nited	States of America
7.	Sole	Voting Power

Number of

Shares		0	
Beneficially	8.	Shared Voting Power	
Owned by			
Each	9.	2,697,264 Sole Dispositive Power	
Reporting			
Person		0	
With	10.	Shared Dispositive Power	

2,697,264 11. Aggregate Amount Beneficially Owned by Each Reporting Person 2,697,264

- 12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions) "
- 13. Percent of Class Represented by Amount in Row 11

15.0%

14. Type of Reporting Person (see instructions)

PN

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1. Name of Reporting Persons

#### Longwood Fund III, L.P.

2. Check the Appropriate Box if a Member of a Group (see instructions)

- (a) x (b) "
- 3. SEC USE ONLY
- 4. Source of Funds (see instructions)

#### WC

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "

6. Citizenship or Place of Organization

Delaware, United States of America 7. Sole Voting Power

Number of

11.

Shares0Beneficially8.Shared Voting PowerOwned by357,249Each9.357,249Sole Dispositive PowerSole Dispositive PowerReporting0Person0With10.Shared Dispositive Power

357,249 Aggregate Amount Beneficially Owned by Each Reporting Person 357,249

- 12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions) "
- 13. Percent of Class Represented by Amount in Row 11

2.0 %

14. Type of Reporting Person (see instructions)

PN

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1. Name of Reporting Persons

## Longwood Fund II GP, LLC

2. Check the Appropriate Box if a Member of a Group (see instructions)

- (a) x (b) "
- 3. SEC USE ONLY
- 4. Source of Funds (see instructions)

#### N/A

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "

6. Citizenship or Place of Organization

Delaware, United States of America 7. Sole Voting Power

Number of

Shares0Beneficially8.Shared Voting PowerOwned by2,697,264Each9.Sole Dispositive PowerReporting0Person0

With 10. Shared Dispositive Power

2,697,264 11. Aggregate Amount Beneficially Owned by Each Reporting Person 2,697,264

- 12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions) "
- 13. Percent of Class Represented by Amount in Row 11

15.0%

14. Type of Reporting Person (see instructions)

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1. Name of Reporting Persons

### Longwood Fund III GP, LLC

2. Check the Appropriate Box if a Member of a Group (see instructions)

(a) x (b) "

- 3. SEC USE ONLY
- 4. Source of Funds (see instructions)

#### N/A

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "

6. Citizenship or Place of Organization

Delaware, United States of America 7. Sole Voting Power

Number of

11.

Shares0Beneficially8.Shared Voting PowerOwned by357,249Each9.357,249Sole Dispositive PowerSole Dispositive PowerReporting0Person0With10.Shared Dispositive Power

357,249 Aggregate Amount Beneficially Owned by Each Reporting Person 357,249

- 12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions) "
- 13. Percent of Class Represented by Amount in Row 11

2.0%

14. Type of Reporting Person (see instructions)

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1. Name of Reporting Persons

#### Christoph Westphal, M.D., Ph.D.

- 2. Check the Appropriate Box if a Member of a Group (see instructions)
  - (a) x (b) "
- 3. SEC USE ONLY
- 4. Source of Funds (see instructions)

#### AF, PF

- 5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "
- 6. Citizenship or Place of Organization

### United States citizen 7. Sole Voting Power

Number of

Shares		3,925,248
Beneficially	8.	Shared Voting Power

Owned by

Feeb		3,054,513
Each	9.	Sole Dispositive Power

Reporting

Person 3,925,248 With 10. Shared Dispositive Power

3,054,51311. Aggregate Amount Beneficially Owned by Each Reporting Person

6,979,761

- 12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions) "
- 13. Percent of Class Represented by Amount in Row 11

38.8%

14. Type of Reporting Person (see instructions)

IN

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1. Name of Reporting Persons

#### **Richard Aldrich**

- 2. Check the Appropriate Box if a Member of a Group (see instructions)
  - (a) x (b) "
- 3. SEC USE ONLY
- 4. Source of Funds (see instructions)

#### N/A

- 5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "
- 6. Citizenship or Place of Organization

## United States citizen 7. Sole Voting Power

Number of

Shares		216,828
Beneficially	8.	Shared Voting Power

Owned by

Feeb		3,054,513
Each	9.	Sole Dispositive Power

Reporting

Person 216,828 With 10. Shared Dispositive Power

3,054,51311. Aggregate Amount Beneficially Owned by Each Reporting Person

3,271,341

- 12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions) "
- 13. Percent of Class Represented by Amount in Row 11

18.2%

14. Type of Reporting Person (see instructions)

IN

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1. Name of Reporting Persons

#### Michelle Dipp, M.D., Ph.D.

2. Check the Appropriate Box if a Member of a Group (see instructions)

- (a) x (b) "
- 3. SEC USE ONLY
- 4. Source of Funds (see instructions)

#### N/A

- 5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "
- 6. Citizenship or Place of Organization

## United States citizen 7. Sole Voting Power

Number of

Shares		216,829
Beneficially	8.	Shared Voting Power

Owned by

Feeb		3,054,513
Each	9.	Sole Dispositive Power

Reporting

Person 216,829 With 10. Shared Dispositive Power

3,054,51311. Aggregate Amount Beneficially Owned by Each Reporting Person

3,271,342

- 12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions) "
- 13. Percent of Class Represented by Amount in Row 11

18.2%

14. Type of Reporting Person (see instructions)

IN

# **Explanatory Note**

This Amendment No. 2 to Schedule 13D is being filed by Longwood Fund II, L.P., Longwood Fund III, L.P., Longwood Fund II GP, LLC, Longwood Fund III GP, LLC, Christoph Westphal, M.D., Ph.D., Richard Aldrich, and Michelle Dipp, M.D., Ph.D. (collectively, the Reporting Persons), pursuant to §240.13d-2(a), to amend the Schedule 13D filed by the Reporting Persons on February 19, 2015, as amended on March 22, 2016 (the Existing Schedule 13D) relating to the Common Stock, \$0.0001 par value per share (the Common Stock), of Flex Pharma, Inc. (the Issuer). The purpose of this amendment is to reflect the additional shares of Common Stock purchased by Longwood Fund III, L.P. since March 18, 2016. Except as set forth below, all Items of the Existing Schedule 13D remain unchanged. All capitalized terms not otherwise defined herein shall have the meanings ascribed to such terms in the Existing Schedule 13D.

### Item 1. Security and Issuer.

There are no amendments to Item 1 of the Existing Schedule 13D.

### Item 2. Identity and Background.

There are no amendments to Item 2 of the Existing Schedule 13D.

## Item 3. Source and Amount of Funds or Other Consideration.

Item 3 is hereby amended to append the following:

On March 21, 2016, Longwood Fund III purchased in the open market 24,107 shares of Common Stock at a purchase price of \$11.70, for an aggregate purchase price of \$282,124.85. On March 22, 2016, Longwood Fund III purchased in the open market 23,951 shares of Common Stock at a purchase price of \$11.78, for an aggregate purchase price of \$282,075.50. On March 23, 2016, Longwood Fund III purchased in the open market 25,356 shares of Common Stock at a purchase price of \$11.55, for an aggregate purchase price of \$292,973.54. On March 24, 2016, Longwood Fund III purchased in the open market 24,207 shares of Common Stock at a purchase price of \$10.55, for an aggregate purchase price of \$255,297.98. On May 9, 2016, Longwood Fund III purchased in the open market 17,532 shares of Common Stock at a purchase price of \$9.80, for an aggregate purchase price of \$171,784.49. On May 10, 2016, Longwood Fund III purchased in the open market 12,577 shares of Common Stock at a purchase price of \$10.14, for an aggregate purchase price of \$127,540.85. On May 11, 2016, Longwood Fund III purchased in the open market 14,120 shares of Common Stock at a purchase price of \$10.33, for an aggregate purchase price of \$145,929.53. On May 12, 2016, Longwood Fund III purchased in the open market 16,097 shares of Common Stock at a purchase price of \$9.94, for an aggregate purchase price of \$159,961.86. On May 13, 2016, Longwood Fund III purchased in the open market 7,269 shares of Common Stock at a purchase price of \$10.09, for an aggregate purchase price of \$73,357.48. On May 16, 2016, Longwood Fund III purchased in the open market 8,200 shares of Common Stock at a purchase price of \$10.40, for an aggregate purchase price of \$85,317.61. On May 17, 2016, Longwood Fund III purchased in the open market 18,200 shares of Common Stock at a purchase price of \$11.14, for an aggregate purchase price of \$202,787.99. The working capital of Longwood Fund III was the source of funds for the purchase of these shares.

There are no amendments to Item 4 of the Existing Schedule 13D.

## Item 5. Interest in Securities of the Issuer.

Items 5(a) and 5(b) of the Existing Schedule 13D are hereby amended and restated in their entirety as follows:

The aggregate percentage of shares of Common Stock reported beneficially owned by each person named herein is determined in accordance with Securities and Exchange Commission (SEC) rules and is based upon 17,967,891 shares of the Issuer s Common Stock outstanding as of April 29, 2016. The applicable SEC rules generally attribute beneficial ownership of securities to persons who possess sole or shared voting power or investment power with respect to those securities.

## A. Longwood Fund II, L.P.

(a) As of the closing of business on May 17, 2016, Longwood Fund II beneficially owned 2,697,264 shares of Common Stock, representing a beneficial ownership of approximately 15.0% of the shares of Common Stock. All such shares are directly held by the Longwood Fund II.

(b)	1. Sole power to vote or direct vote:	0
	2. Shared power to vote or direct vote:	2,697,264
	3. Sole power to dispose or direct the disposition:	0
	4. Shared power to dispose or direct the disposition:	2,697,264

## B. Longwood Fund II GP, LLC

(a) As of the closing of business on May 17, 2016, Longwood Fund II GP, LLC beneficially owned 2,697,264 shares of Common Stock, representing a beneficial ownership of approximately 15.0% of the shares of Common Stock. All such shares are directly held by the Longwood Fund II.

(b)	1. Sole power to vote or direct vote:	0
	2. Shared power to vote or direct vote:	2,697,264
	3. Sole power to dispose or direct the disposition:	0
	4. Shared power to dispose or direct the disposition:	2,697,264

# C. Longwood Fund III, L.P.

(a) As of the closing of business on May 17, 2016, Longwood Fund III beneficially owned 357,249 shares of Common Stock, representing a beneficial ownership of approximately 2.0% of the shares of Common Stock. All such shares are directly held by the Longwood Fund III.

(b)	1. Sole power to vote or direct vote:	0
	2. Shared power to vote or direct vote:	357,249
	3. Sole power to dispose or direct the disposition:	0
	4. Shared power to dispose or direct the disposition:	357,249

## D. Longwood Fund III GP, LLC

(a) As of the closing of business on May 17, 2016, Longwood Fund III GP, LLC beneficially owned 357,249 shares of Common Stock, representing a beneficial ownership of approximately 2.0% of the shares of Common Stock. All such shares are directly held by the Longwood Fund III.

(b)	1. Sole power to vote or direct vote:	0
	2. Shared power to vote or direct vote:	357,249
	3. Sole power to dispose or direct the disposition:	0
	4. Shared power to dispose or direct the disposition:	357,249

#### E. Christoph Westphal, M.D., Ph.D.

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(a) As of the closing of business on May 17, 2016, Christoph Westphal, M.D., Ph.D., beneficially owned 6,979,761 shares of Common Stock, representing a beneficial ownership of approximately 38.8% of the shares of Common Stock. 3,925,248 of these shares are directly held by Dr. Westphal personally and 3,054,513 are directly held by the Funds.

(b)	1. Sole power to vote or direct vote:	3,925,248
	2. Shared power to vote or direct vote:	3,054,513
	3. Sole power to dispose or direct the disposition:	3,925,248
	4. Shared power to dispose or direct the disposition:	3,054,513

# F. Richard Aldrich

(a) As of the closing of business on May 17, 2016, Richard Aldrich beneficially owned 3,271,341 shares of Common Stock, representing a beneficial ownership of approximately 18.2% of the shares of Common Stock. 170,488 of these shares are directly held by Mr. Aldrich personally, 46,340 are directly held by the Richard H. Aldrich 2014 GRAT and 3,054,513 are directly held by the Funds.

(b)	1. Sole power to vote or direct vote:	216,828
	2. Shared power to vote or direct vote:	3,054,513
	3. Sole power to dispose or direct the disposition:	216,828
	4. Shared power to dispose or direct the disposition:	3,054,513

### G. Michelle Dipp, M.D., Ph.D.

(a) As of the closing of business on May 17, 2016, Michelle Dipp, M.D., Ph.D. beneficially owned 3,271,342 shares of Common Stock, representing a beneficial ownership of approximately 18.2% of the shares of Common Stock. 216,829 of these shares are directly held by Dr. Dipp and 3,054,513 of these shares are directly held by the Funds.

(b) 1. Sole power to vote or direct vote:	216,829
2. Shared power to vote or direct vote:	3,054,513
3. Sole power to dispose or direct the disposition:	216,829
4. Shared power to dispose or direct the disposition:	3,054,513
Item 5(c) is hereby amended to append the following:	

Item 3 sets forth the transactions effected by Longwood Fund III in the past sixty (60) days. None of the other Reporting Persons has effected any transaction in the Common Stock during the last 60 days.

Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer. There are no amendments to Item 6 of the Existing Schedule 13D.

#### Item 7. Material to Be Filed as Exhibits.

There are no amendments to Item 7 of the Existing Schedule 13D.

## SIGNATURES

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.

Dated: May 19, 2016

# LONGWOOD FUND II, L.P.

By: Longwood Fund II GP, LLC, a Delaware limited liability company and general partner of Longwood Fund II L.P.

By: /s/ Michelle Dipp Michelle Dipp, M.D., Ph.D., Manager

## LONGWOOD FUND II GP, LLC

By: /s/ Michelle Dipp Michelle Dipp, M.D., Ph.D., Manager

/s/ Christoph Westphal Christoph Westphal, M.D., Ph.D.

/s/ Richard Aldrich Richard Aldrich

/s/ Michelle Dipp Michelle Dipp, M.D., Ph.D.

# LONGWOOD FUND III, L.P.

By: Longwood Fund III GP, LLC, a Delaware limited liability company and general partner of Longwood Fund II L.P.

By: /s/ Michelle Dipp Michelle Dipp, M.D., Ph.D., Manager

# LONGWOOD FUND III GP, LLC

By: /s/ Michelle Dipp Michelle Dipp, M.D., Ph.D., Manager

Attention: Intentional misstatements or omissions of fact

constitute Federal criminal violations (See 18 U.S.C. 1001)