ARDELYX, INC. Form SC 13G July 28, 2016		
UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549		
SCHEDULE 13G		
Under the Securities Exchange Act of 1934		
(Amendment No)*		
ARDELYX, INC.		
(Name of Issuer)		
Common Stock, par value \$0.0001 per share		
(Title of Class of Securities)		
039697107		
(CUSIP Number)		
July 18, 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)

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).

^{*}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.

CUSIP No. 039697107 13G

Names of Reporting Persons.

I.R.S. Identification Nos. of above persons (entities only).

1.

RA Capital Management, LLC

Check the

Appropriate

Box if a

Member of a

Group (See

Instructions)

- (a)
- (b)
- 3. SEC Use Only
- 4. Citizenship or Place of Organization Massachusetts

5. Sole Voting Power 0 Number of

Shares Beneficially

6. Shared Voting Power

Owned by **Each Reporting**

7. Sole Dispositive Power

Person With

8. Shared Dispositive Power **3,625,943**

3,625,943

Aggregate Amount Beneficially Owned by Each Reporting Person

9.

3,625,943

Check if the Aggregate Amount in Row (9) Excludes

10.

Certain Shares (See Instructions)

Percent of Class Represented by Amount in Row (9)

11.

 $7.7\%^{1}$

Type of Reporting Person (See Instructions)

12.

IA

¹ The reporting person is the beneficial owner of 3,457,718 shares of Common Stock, as well as warrants to acquire 168,225 shares of Common Stock, which together would constitute approximately 7.7% of the issuer's Common Stock if the warrants were exercised in full, following the issuance of 168,225 shares of Common Stock in respect of the fully-exercised warrants. The percentage calculation assumes that there are currently 47,230,378 outstanding shares of the Issuer, based on the Issuer's 10-Q as filed with the Securities and Exchange Commission ("SEC") on May 9, 2016 and the Issuer's 8-K as filed with the SEC on July 20, 2016.

CUSIP No. 039697107 13G

Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).

1.

Peter Kolchinsky

Check the

Appropriate

Box if a

.. Member of a

Group (See

Instructions)

- (a)
- (b)
- 3. SEC Use Only
- 4. Citizenship or Place of Organization United States

Number of

5. Sole Voting Power

Shares

6. Shared Voting Power 3,625,943

0

Beneficially Owned by

Each Reporting

7. Sole Dispositive Power **0**

Person With

8. Shared Dispositive Power **3,625,943**

Aggregate Amount Beneficially Owned by Each Reporting Person

9.

3,625,943

Check if the Aggregate Amount in Row (9) Excludes

10.

Certain Shares (See Instructions)

Percent of Class Represented by Amount in Row (9)

11.

7.7%²

12. Type of Reporting Person (See Instructions)

IN

² The reporting person is the beneficial owner of 3,457,718 shares of Common Stock, as well as warrants to acquire 168,225 shares of Common Stock, which together would constitute approximately 7.7% of the issuer's Common Stock if the warrants were exercised in full, following the issuance of 168,225 shares of Common Stock in respect of the fully-exercised warrants. The percentage calculation assumes that there are currently 47,230,378 outstanding shares of the Issuer, based on the Issuer's 10-Q as filed with the SEC on May 9, 2016 and the Issuer's 8-K as filed with the SEC on July 20, 2016.

CUSIP No. 039697107 13G

Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).

1.

RA Capital Healthcare Fund, L.P.

Check the

Appropriate

Box if a

². Member of a

Group (See

Instructions)

- (a)
- (b)
- 3. SEC Use Only
- 4. Citizenship or Place of Organization Delaware

Number of

5. Sole Voting Power **0**

Shares

Beneficially 6. Shared Voting Power

2,451,968

Owned by

Each Reporting

7. Sole Dispositive Power

Person With

8. Shared Dispositive Power 2,451,968

Aggregate Amount Beneficially Owned by Each Reporting Person

9.

2,451,968

Check if the Aggregate Amount in Row (9) Excludes

10.

Certain Shares (See Instructions)

Percent of Class Represented by Amount in Row (9)

11.

5.2%³

12. Type of Reporting Person (See Instructions)

PN (Limited Partnership)

³ The reporting person is the beneficial owner of 2,314,024 shares of Common Stock, as well as warrants to acquire 137,944 shares of Common Stock, which together would constitute approximately 7.7% of the issuer's Common Stock if the warrants were exercised in full, following the issuance of 137,944 shares of Common Stock in respect of the fully-exercised warrants. The percentage calculation assumes that there are currently 47,230,378 outstanding shares of the Issuer, based on the Issuer's 10-Q as filed with the SEC on May 9, 2016 and the Issuer's 8-K as filed with the SEC on July 20, 2016.

Item 1.	
(a)	Name of Issuer: ARDELYX, INC. (the "Issuer").
(b) 94555.	Address of the Issuer's Principal Executive Offices: 34175 Ardenwood Blvd., Suite 200, Fremont, CA
Item 2.	
the Fund serves as Capital. purposes the Fund of Section	Name of Person Filing: This joint statement on Schedule 13G is being filed by Peter Kolchinsky, RA Management, LLC ("Capital"), and RA Capital Healthcare Fund, L.P. (the "Fund"). Mr. Kolchinsky, Capital and are collectively referred to herein as the "Reporting Persons." Capital is the general partner of the Fund and a investment adviser for a separately managed account (the "Account"). Mr. Kolchinsky is the manager of As the investment adviser to the Fund and the Account, Capital may be deemed a beneficial owner, for so of Section 13(d) of the Securities Exchange Act of 1934 (the "Act"), of any securities of the Issuer owned by the or the Account. As the manager of Capital, Mr. Kolchinsky may be deemed a beneficial owner, for purposes on 13(d) of the Act, of any securities of the Issuer beneficially owned by Capital. Capital is a registered ent adviser within the meaning of Rule 13d-1(b)(1)(ii)(E) and Rule 16a-1(a)(v), and Mr. Kolchinsky is a

(b) **Address of Principal Business Office:** The principal business office of the Reporting Persons is c/o RA Capital Management, LLC, 20 Park Plaza, Suite 1200, Boston, MA 02116.

parent or control person of Capital within the meaning of Rule 13d-1(b)(1)(ii)(G) and Rule 16a-1(a)(1)(vii). Capital and Mr. Kolchinsky disclaim beneficial ownership of the securities reported in this Schedule 13G Statement (the "Statement") other than for the purpose of determining their obligations under Section 13(d) of the Act, and neither the filing of the Statement nor the filing of this Amendment shall not be deemed an admission that either Capital or Mr.

- (c) **Citizenship:** Capital is a Massachusetts limited liability company. The Fund is a Delaware limited partnership. Mr. Kolchinsky is a United States citizen.
- (d) **Title and Class of Securities:** Common stock ("Common Stock") of the Issuer.

Kolchinsky is or was the beneficial owner of such securities for any other purpose.

(e)	CUSIP Number: 039697107
Item 3. person	If this statement is filed pursuant to $\S\S240.13d-1(b)$ or $240.13d-2(b)$ or (c) , check whether the filing is a:
Not app	licable.
Item 4.	Ownership:
(a) See t	ount Beneficially Owned: the response(s) to Item 9 on the attached cover page(s). ent of Class:

See the response(s) to Item 11 on the attached cover page(s).

(b)

(c)Nu	umber of shares as to which such person has:
40	sole power to vote or to direct the vote:
(i)	See the response(s) to Item 5 on the attached cover page(s).
(ii)	shared power to vote or to direct the vote
	See the response(s) to Item 6 on the attached cover page(s).
	sole power to dispose or to direct the disposition of
(111	See the response(s) to Item 7 on the attached cover page(s).
(iv)	shared power to dispose or to direct the disposition of
(- '	See the response(s) to Item 8 on the attached cover page(s).
Item	5. Ownership of Five Percent or Less of a Class:
Not a	pplicable.
Item	6. Ownership of More than Five Percent on Behalf of Another Person:
Not a	pplicable.
Item on By	7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported the Parent Holding Company or Control Person:
Not a	pplicable.
Item :	8. Identification and Classification of Members of the Group:

Not applicable.		
Item 9.	Notice of Dissolution of Group:	
Not applicabl	e.	

Item 10. Certification:

By signing below I hereby 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.

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: July 28, 2016

RA CAPITAL MANAGEMENT, LLC

By:/s/ Peter Kolchinsky Peter Kolchinsky

Authorized Signatory

PETER KOLCHINSKY

/s/ Peter Kolchinsky

RA CAPITAL HEALTHCARE FUND, L.P.

By: RA Capital Management, LLC Its: General Partner

By:/s/ Peter Kolchinsky Peter Kolchinsky

Authorized Signatory