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

SCHEDULE 13G Under the Securities Exchange Act of 1934

(Amendment No.__)*

Ascendis Pharma A/S
(Name of Issuer)
American Depository Shares representing Ordinary Shares of Ascendis Pharma A/S
(Title of Class of Securities)
04351P101
(CUSIP Number)
April 30, 2015
(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) [X] 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).

CUSIP No. **04351P101** 13G

1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).					
	RA Capi	tal Management, LLC				
2.	Check the Approp	riate Box if a Member of a Group (Se	ee Instructions)			
	(a) [_]				
	(b) []				
3.	SEC Use Only					
4.	Citizenship or Pla	ce of Organization Massachuset	its			
Numbe	er of	5. Sole Voting Power	0 shares			
Shares Benefic	cially l by Reporting	6. Shared Voting Power 1.	,428,776 shares			
Owned		7. Sole Dispositive Power	0 shares			
Person		8. Shared Dispositive Power 1	,428,776 shares			
9. Aggregate Amount Beneficially Owned by Each Reporting Person 1,428,776 shares						
10	Check if the Aggregate Amount in Row (9) Excludes [_] 10. Certain Shares (See Instructions)					
11	Percent of Class I	Represented by Amount in Row (9)				
12	Type of Reportin	g Person (See Instructions)				

CUSIP No. **04351P101** 13G

	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).					
	Peter Ko	lchinsky				
2.	Check the Appropriate Box if a Member of a Group (See Instructions)					
	(a) [_]					
	(b) []					
3.	SEC Use Only					
4.	Citizenship or Pla	ce of Organization United Sta	ates			
Number	of	5. Sole Voting Power	0 shares			
Shares Benefici	ally	6. Shared Voting Power	1,428,776 shares			
Owned b Each Re		7. Sole Dispositive Power	0 shares			
Person V		8. Shared Dispositive Power	1,428,776 shares			
9.	9. Aggregate Amount Beneficially Owned by Each Reporting Person 1,428,776 shares					
10.	Check if the Aggregate Amount in Row (9) Excludes [_] 10. Certain Shares (See Instructions)					
11.	11. Percent of Class Represented by Amount in Row (9) 6.0%					
12.	Type of Reporting	g Person (See Instructions)				
12.		g Person (See Instructions)				

CUSIP No. **04351P101** 13G

1.		Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).						
		RA Capita	al Healthcare Fund, L.P.					
2.	Check the Appropriate Box if a Member of a Group (See Instructions)							
	(a)	[_]						
	(b)							
3.	SEC Use	Only						
4.	Citizens	hip or Plac	ce of Organization Del	aware				
Numbe	erof		5. Sole Voting Power	0 shares				
Shares Benefic	by		6. Shared Voting Power	1,257,307 share	es			
Owned			7. Sole Dispositive Pov	ver 0 shares				
Person	eporting With		8. Shared Dispositive P	ower 1,257,307 share	es			
9.	Aggrega	ate Amoun 1,257,30°	nt Beneficially Owned by E 7 shares	ach Reporting Person				
		f the Aggr	egate Amount in Row (9) I	Excludes [_]				
10		Shares (Se	ee Instructions)					
11	11. Percent of Class Represented by Amount in Row (9) 5.3%							
12	Type of		g Person (See Instructions) ited Partnership)					

CUSIP No. 04351P101

Item 1.

- (a) Name of Issuer: Ascendis Pharma A/S (the "Issuer").
- (b) Address of the Issuer's Principal Executive Offices: Tuborg Boulevard 12, DK-2900 Hellerup, Denmark.

Item 2.

- (a) Name of Person Filing: This joint statement on Schedule 13G is being filed by Peter Kolchinsky, RA Capital Management, LLC ("Capital"), and RA Capital Healthcare Fund, L.P. (the "Fund"). Mr. Kolchinsky, Capital and the Fund are collectively referred to herein as the "Reporting Persons."
- (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.
- (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: American Depositary Receipts ("ADR") of the Issuer.
- (e) **CUSIP Number:** 04351P101

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:

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount Beneficially Owned: **

RA Capital Management, LLC – 1,428,776 shares Peter Kolchinsky – 1,428,776 shares RA Capital Healthcare Fund, L.P. – 1,257,307 shares

(b) Percent of Class: **

RA Capital Management, LLC -6.0%Peter Kolchinsky -6.0%RA Capital Healthcare Fund, L.P. -5.3%

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- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote **

 RA Capital Management, LLC 0 shares
 Peter Kolchinsky 0 shares
 RA Capital Healthcare Fund, L.P. 0 shares
 - (ii) shared power to vote or to direct the vote**

RA Capital Management, LLC – 1,428,776 shares Peter Kolchinsky – 1,428,776 shares RA Capital Healthcare Fund, L.P. – 1,257,307 shares

(iii) sole power to dispose or to direct the disposition of**

RA Capital Management, LLC - 0 shares Peter Kolchinsky - 0 shares RA Capital Healthcare Fund, L.P. - 0 shares

(iv) shared power to dispose or to direct the disposition of**

RA Capital Management, LLC – 1,428,776 shares Peter Kolchinsky – 1,428,776 shares RA Capital Healthcare Fund, L.P. – 1,257,307 shares

** Shares reported herein for the Fund represent American Depositary Shares ("ADSs") beneficially owned and held of record by the Fund. Shares reported herein for Capital represent (a) the above-referenced ADSs reported for the Fund, for which Capital serves as the sole general partner, and (b) the ADSs held in a separately managed account for which Capital serves as investment adviser. Shares reported herein for Mr. Kolchinsky represent the above-referenced ADSs reported for Capital, for which Mr. Kolchinsky serves as the manager. Each of the Reporting Persons disclaims beneficial ownership of the shares reported herein except to the extent of its or his pecuniary interest therein.

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

Not applicable.

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.

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

Not applicable.

Item 9. Notice of Dissolution of Group:

Not applicable.

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: May 8, 2015

RA CAPITAL MANAGEMENT, LLC

By: /s/ Rajeev Shah

Rajeev Shah

Authorized Signatory

PETER KOLCHINSKY

/s/ Peter Kolchinsky

RA CAPITAL HEALTHCARE FUND, L.P.

By: RA Capital Management, LLC Its: General Partner

By: /s/ Rajeev Shah

Rajeev Shah

Authorized Signatory

Exhibit 1

JOINT FILING AGREEMENT

This Joint Filing Agreement, dated as of May 8, 2015, is by and among RA Capital Management, LLC, Peter Kolchinsky, and RA Capital Healthcare Fund, L.P. (the foregoing are collectively referred to herein as the "Filers").

Each of the Filers may be required to file with the United States Securities and Exchange Commission a statement on Schedule 13G and/or 13D with respect to ADSs representing Ordinary Shares of Ascendis Pharma A/S beneficially owned by them from time to time.

Pursuant to and in accordance with Rule 13(d)(1)(k) promulgated under the Securities Exchange Act of 1934, as amended, the Filers hereby agree to file a single statement on Schedule 13G and/or 13D (and any amendments thereto) on behalf of each of such parties, and hereby further agree to file this Joint Filing Agreement as an exhibit to such statement, as required by such rule.

This Joint Filing Agreement may be terminated by any of the Filers upon one week's prior written notice or such lesser period of notice as the Filers may mutually agree.

Executed and delivered as of the date first above written.

RA CAPITAL MANAGEMENT, LLC

By: /s/ Rajeev Shah

Rajeev Shah Authorized Signatory

PETER KOLCHINSKY

/s/ Peter Kolchinsky

RA CAPITAL HEALTHCARE FUND, L.P.

By: RA Capital Management, LLC

Its: General Partner

By: /s/ Rajeev Shah

Rajeev Shah

Authorized Signatory