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

SCHEDULE 13G Under the Securities Exchange Act of 1934

(Amendment No. 3)*

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)				
December 1, 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) [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

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

	RA Ca	pital Managei	nent, LLC		
2.	Check the	Appropriate Bo	x if a Member of	a Group (See	ee Instructions)
	(a) 🗆				
	(b) 🗆				
3.	SEC Use O	nly			
4.	Citizenship	or Place of Or	ganization N	Iassachusetts	tts
Number of	5	Sole Vo	ting Power	0	
Shares Beneficially	6	Shared	Voting Power	5,378,716	16
Owned by Each Reporti		. Sole Dis	spositive Power	0	
Person With	8	Shared 1	Dispositive Powe	r 5,378,716	716
	Aggrega	te Amount Ben	eficially Owned	y Each Repor	porting Person
9.					
	5,37	8,716			
	Check if	the Aggregate	Amount in Row	9) Excludes	s 🗆
10.					
		Shares (See Inst			
	Percent of	of Class Repres	ented by Amount	in Row (9)	
11.					
	17.1				
	Type of l	Reporting Person	on (See Instruction	ns)	
12.	_				
	IA				

 $^{^1}$ The reporting person is the beneficial owner of 5,378,716 of the Issuer's American Depository Shares ("ADSs") representing 5,378,716 of the Issuer's ordinary shares, which constitute approximately 17.1% of the Issuer's outstanding ordinary shares. The percentage calculation assumes that there are currently 31,525,323 outstanding ordinary shares of the Issuer, based on the Issuer's Prospectus Supplement Form 424B5 as filed with the Securities and Exchange Commission ("SEC") on October 19, 2016.

CUSIP No. **04351P101** 13G

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

	Pete	er Kol	chinsky			
2.	Check th	ie App	propriate Box if a Member o	f a Group (See Ir	Instructions)	
	(a) 🗆		•	• •		
	(b) 🗆					
3.	SEC Use	Only				
4.	Citizens	hip or	Place of Organization	United States		
Number of		5.	Sole Voting Power	0		
Shares		6.	Shared Voting Power	5,378,716	6	
Beneficially			_			
Owned by		7.	Sole Dispositive Power	0		
Each Reporti	ng					
Person With		8.	Shared Dispositive Power	er 5,378,716	6	
	Aggreg	gate A	mount Beneficially Owned	by Each Reporti	orting Person	
9.						
5,378,716						
	Check	if the	Aggregate Amount in Row	(9) Excludes		
10.						
			es (See Instructions)			
	Percen	t of Cl	ass Represented by Amoun	t in Row (9)		
11.						
	17	$1.1\%^{2}$				
	Type o	f Rep	orting Person (See Instruction	ons)		
12.	• •	1	·	*		
	IN	[

 $^{^2}$ The reporting person is the beneficial owner of 5,378,716 of the Issuer's American Depository Shares ("ADSs") representing 5,378,716 of the Issuer's ordinary shares, which constitute approximately 17.1% of the Issuer's outstanding ordinary shares. The percentage calculation assumes that there are currently 31,525,323 outstanding ordinary shares of the Issuer, based on the Issuer's Prospectus Supplement Form 424B5 as filed with the Securities and Exchange Commission ("SEC") on October 19, 2016.

CUSIP No. 04351P101 13G

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

	RA (Capita	l Healthcare Fund, L.P.						
2.	Check th	Check the Appropriate Box if a 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	4,403,298					
Owned by Each Report		7.	Sole Dispositive Power	0					
Person With		8.	Shared Dispositive Power	4,403,298					
Aggregate Amount Beneficially Owned by Each Reporting Person 9.									
	4,403,298								
10	Check if the Aggregate Amount in Row (9) Excludes \Box								
10.	Certain	Share	s (See Instructions)						
Percent of Class Represented by Amount in Row (9)									
11.	rereem	. 01 010	iss represented by Timount II	110 11 ()					
	14	.0%3							
	Type of Reporting Person (See Instructions)								
12.	1) pc 0	rcpo	ing reison (see instructions	,					
	PN (Limited Partnership)								
	-								

³ The reporting person is the beneficial owner of 4,403,298 of the Issuer's American Depository Shares ("ADSs") representing 4,403,298 of the Issuer's ordinary shares, which constitute approximately 14.0% of the Issuer's outstanding ordinary shares. The percentage calculation assumes that there are currently 31,525,323 outstanding ordinary shares of the Issuer, based on the Issuer's Prospectus Supplement Form 424B5 as filed with the Securities and Exchange Commission ("SEC") on October 19, 2016.

Explanatory Note

This Amendment No. 3 to the Schedule 13G originally filed on May 8, 2015 is being filed to report an increase in the reporting persons' beneficial ownership of a class of equity securities of the Issuer.

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 RA Capital Management, LLC ("Capital"), Peter Kolchinsky and RA Capital Healthcare Fund, L.P. (the "Fund"). Capital, Mr. Kolchinsky and the Fund are collectively referred to herein as the "Reporting Persons." Capital is the general partner of the Fund and serves as investment adviser for a separately managed account (the "Account"). Mr. Kolchinsky is the manager of Capital. As the investment adviser to the Fund and the Account, Capital may be deemed a beneficial owner, for purposes of Section 13(d) of the Securities Exchange Act of 1934 (the "Act"), of any securities of the Issuer owned by the Fund or the Account. As the manager of Capital, Mr. Kolchinsky may be deemed a beneficial owner, for purposes of Section 13(d) of the Act, of any securities of the Issuer beneficially owned by Capital. Capital is a registered investment adviser within the meaning of Rule 13d-1(b)(1)(ii)(E) and Rule 16a-1(a)(v), and Mr. Kolchinsky is a 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 be deemed an admission that either Capital or Mr. Kolchinsky is or was the beneficial owner of such securities for any other purpose.
- (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 Shares ("ADSs") of the Issuer.
- (e) **CUSIP Number:** 04351P101

 $Item \ 3. \ If this statement is filed \ pursuant \ to \ \S\S240.13d-1(b) \ or \ 240.13d-2(b) \ or \ (c), check \ whether \ the \ person \ filing \ is \ a:$

Not applicable.

CUSIP No. 04351P101

Item 4. Ownership:

- (a) Amount Beneficially Owned: See the response(s) to Item 9 on the attached cover page(s).
- (b) Percent of Class: See the response(s) to Item 11 on the attached cover page(s).
- (c) Number of shares as to which such person has:
 - sole power to vote or to direct the vote: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).
 - (iii) sole power to dispose or to direct the disposition of See the response(s) to Item 7 on the attached cover page(s).
 - (iv) shared power to dispose or to direct the disposition ofSee the response(s) to Item 8 on the attached cover page(s).

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.

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

Not applicable.

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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.

Exhibits

Joint Filing Agreement by and among the Reporting Persons is incorporated herein by reference to Exhibit 1 to the Schedule 13G filed by the Reporting Persons with the Securities and Exchange Commission on May 8, 2015.

SIGNATURE

	After reasonable inquiry and to the best of my knowled	lge and belief, I certify that the inform	mation set forth in this statement is tru	e, complete and
correct.				

DATE: December 5, 2016

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