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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

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**SCHEDULE 13G**

**UNDER THE SECURITIES EXCHANGE ACT OF 1934  
(Amendment No.    )\***

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**Macrogenics, Inc.**  
(Name of Issuer)

**Common Stock**  
(Title of Class of Securities)

**556099 10 9**  
(CUSIP Number)

**December 31, 2013**  
(Date of Event Which Requires Filing of This Statement)

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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 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).

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1.	Name of Reporting Persons MPM BioVentures II, L.P.	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 122,566
	6.	Shared Voting Power 0
	7.	Sole Dispositive Power 122,566
	8.	Shared Dispositive Power 0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  122,566	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  0.5%	
12.	Type of Reporting Person (See Instructions)  PN	

1.	Name of Reporting Persons MPM BioVentures II-QP, L.P.	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 1,110,529
	6.	Shared Voting Power 0
	7.	Sole Dispositive Power 1,110,529
	8.	Shared Dispositive Power 0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,110,529	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  4.4%	
12.	Type of Reporting Person (See Instructions)  PN	

1.	Name of Reporting Persons MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  Germany	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 390,961
	6.	Shared Voting Power 0
	7.	Sole Dispositive Power 390,961
	8.	Shared Dispositive Power 0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  390,961	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  1.6%	
12.	Type of Reporting Person (See Instructions)  PN	

1.	Name of Reporting Persons MPM Asset Management Investors 2000B LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 25,568
	6.	Shared Voting Power 0
	7.	Sole Dispositive Power 25,568
	8.	Shared Dispositive Power 0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  25,568	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  0.1%	
12.	Type of Reporting Person (See Instructions)  OO	

1.	Name of Reporting Persons MPM BioVentures IV Strategic Fund, L.P.	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 131,331
	6.	Shared Voting Power 0
	7.	Sole Dispositive Power 131,331
	8.	Shared Dispositive Power 0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  131,331	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  0.5%	
12.	Type of Reporting Person (See Instructions)  OO	

1.	Name of Reporting Persons MPM Asset Management II, L.P.	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power  0
	6.	Shared Voting Power  1,624,056*
	7.	Sole Dispositive Power  0
	8.	Shared Dispositive Power  1,624,056*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,624,056*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  6.5%	
12.	Type of Reporting Person (See Instructions)  PN	

\* The shares are held as follows: 1,110,529 by MPM BioVentures II-QP, L.P. ("BV II QP"); 122,566 by MPM BioVentures II, L.P. ("BV II"); and 390,961 by MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG ("BV KG"). The Reporting Person is the direct general partner of BV II QP, BV II and BV KG.

1.	Name of Reporting Persons MPM Asset Management II LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 1,624,056*
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 1,624,056*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,624,056*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  6.5%	
12.	Type of Reporting Person (See Instructions)  OO	

\* The shares are held as follows: 1,110,529 by BV II QP; 122,566 by BV II; and 390,961 by BV KG. The Reporting Person is the indirect general partner of BV II QP, BV II and BV KG.



1.	Name of Reporting Persons MPM BioVentures IV GP LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 131,331*
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 131,331*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  131,331*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  0.5%	
12.	Type of Reporting Person (See Instructions)  OO	

\* The shares are held by MPM BioVentures IV Strategic Fund, L.P. ("BV IV SF"). The Reporting Person is the direct general partner of BV IV SF.

1.	Name of Reporting Persons MPM BioVentures IV LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 131,331*
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 131,331*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  131,331*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  0.5%	
12.	Type of Reporting Person (See Instructions)  OO	

\* The shares are held by BV IV SF. The Reporting Person is the indirect general partner of BV IV SF.

1.	Name of Reporting Persons Ansbert Gadicke	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power  0
	6.	Shared Voting Power  1,780,955*
	7.	Sole Dispositive Power  0
	8.	Shared Dispositive Power  1,780,955*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,780,955*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  7.1%	
12.	Type of Reporting Person (See Instructions)  IN	

\* The shares are held as follows: 1,110,529 by BV II QP; 122,566 by BV II; 390,961 by BV KG; 25,568 by MPM Asset Management Investors 2000B BVII LLC ("AM 2000B"); and 131,331 by BV IV SF. MPM Asset Management II, L.P. ("AM LP") and MPM Asset Management II LLC ("AM II LLC") are the direct and indirect general partners of BV II QP, BV II and BV KG. MPM BioVentures IV LLC ("BV IV LLC") and MPM BioVentures IV GP LLC ("BV IV GP LLC") are the direct and indirect general partners of BV IV SF. The Reporting Person is an investment manager of AM II LLC and AM 2000B and a member of BV IV SF.

1.	Name of Reporting Persons Luke Evin	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 1,780,955*
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 1,780,955*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 1,780,955*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9) 7.1%	
12.	Type of Reporting Person (See Instructions) IN	

\* The shares are held as follows: 1,110,529 by BV II QP; 122,566 by BV II; 390,961 by BV KG; 25,568 by AM 2000B; and 131,331 by BV IV SF. AM LP and AM II LLC are the direct and indirect general partners of BV II QP, BV II and BV KG. BV IV LLC and BV IV GP LLC are the direct and indirect general partners of BV IV SF. The Reporting Person is an investment manager of AM II LLC and AM 2000B and a member of BV IV SF.

1.	Name of Reporting Persons Nicholas Galakatos	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power  0
	6.	Shared Voting Power  1,649,624*
	7.	Sole Dispositive Power  0
	8.	Shared Dispositive Power  1,649,624*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,649,624*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  6.6%	
12.	Type of Reporting Person (See Instructions)  IN	

\* The shares are held as follows: 1,110,529 by BV II QP; 122,566 by BV II; 390,961 by BV KG; and 25,568 by AM 2000B. AM LP and AM II LLC are the direct and indirect general partners of BV II QP, BV II. The Reporting Person is an investment manager of AM II LLC and AM 2000B.

1.	Name of Reporting Persons Michael Steinmetz	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power  0
	6.	Shared Voting Power  1,649,624*
	7.	Sole Dispositive Power  0
	8.	Shared Dispositive Power  1,649,624*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,649,624*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  6.6%	
12.	Type of Reporting Person (See Instructions)  IN	

\* The shares are held as follows: 1,110,529 by BV II QP; 122,566 by BV II; 390,961 by BV KG; and 25,568 by AM 2000B. AM LP and AM II LLC are the direct and indirect general partners of BV II QP, BV II. The Reporting Person is an investment manager of AM II LLC and AM 2000B.

1.	Name of Reporting Persons Kurt Wheeler	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power  0
	6.	Shared Voting Power  1,649,624*
	7.	Sole Dispositive Power  0
	8.	Shared Dispositive Power  1,649,624*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,649,624*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  6.6%	
12.	Type of Reporting Person (See Instructions)  IN	

\* The shares are held as follows: 1,110,529 by BV II QP; 122,566 by BV II; 390,961 by BV KG; and 25,568 by AM 2000B. AM LP and AM II LLC are the direct and indirect general partners of BV II QP, BV II and BV KG. The Reporting Person is an investment manager of AM II LLC and AM 2000B.

1.	Name of Reporting Persons Todd Foley	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 131,331*
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 131,331*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 131,331*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9) 0.5%	
12.	Type of Reporting Person (See Instructions) IN	

\* The shares are held by BV IV SF. BV IV LLC is the indirect general partner of BV IV SF. The Reporting Person is a member of BV IV LLC.



1.	Name of Reporting Persons Vaughn Kalian	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 131,331*
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 131,331*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 131,331*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9) 0.5%	
12.	Type of Reporting Person (See Instructions) IN	

\* The shares are held by BV IV SF. BV IV LLC is the indirect general partner of BV IV SF. The Reporting Person is a member of BV IV LLC.

1.	Name of Reporting Persons James Paul Scopa	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization  United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power  0
	6.	Shared Voting Power  131,331*
	7.	Sole Dispositive Power  0
	8.	Shared Dispositive Power  131,331*
9.	Aggregate Amount Beneficially Owned by Each Reporting Person  131,331*	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11.	Percent of Class Represented by Amount in Row (9)  0.5%	
12.	Type of Reporting Person (See Instructions)  IN	

\* The shares are held by BV IV SF. BV IV LLC is the indirect general partner of BV IV SF. The Reporting Person is a member of BV IV LLC.

**Item 1.**

- (a) Name of Issuer  
Macrogenics, Inc.
- (b) Address of Issuer's Principal Executive Offices  
9640 Medical Center Drive  
Rockville, MD 20850

**Item 2.**

- (a) Name of Person Filing  
MPM BioVentures II, LP  
MPM BioVentures II-QP, L.P.  
MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG  
MPM Asset Management Investors 2000B LLC  
MPM BioVentures IV Strategic Fund, L.P.  
MPM Asset Management II, L.P.  
MPM Asset Management II LLC  
MPM BioVentures IV GP LLC  
MPM BioVentures IV LLC  
Ansbert Gadicke  
Luke Evin  
Nicholas Galakatos  
Michael Steinmetz  
Kurt Wheeler  
Todd Foley  
Vaughn Kailian  
James Paul Scopa
- (b) Address of Principal Business Office or, if none, Residence  
c/o MPM Capital LLC  
The John Hancock Tower  
200 Clarendon Street, 54<sup>th</sup> Floor  
Boston, MA 02116
- (c) Citizenship  
All entities were organized in Delaware except MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG, which was organized in Germany. The individuals are all United States citizens.
- (d) Title of Class of Securities  
Common Stock
- (e) CUSIP Number  
556099 10 9

**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

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**Item 4. Ownership**

## (a) Amount Beneficially Owned:

MPM BioVentures II, L.P.	122,566
MPM BioVentures II-QP, L.P.	1,110,529
MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG	390,961
MPM Asset Management Investors 2000B LLC	25,568
MPM BioVentures IV Strategic Fund, L.P.	131,331
MPM Asset Management II, L.P.	1,624,056(1)
MPM Asset Management II LLC	1,624,056(1)
MPM BioVentures IV GP LLC	131,331(2)
MPM BioVentures IV LLC	131,331(2)
Ansbert Gadicke	1,780,955(3)
Luke B. Evnin	1,780,955(3)
Nicholas Galakatos	1,649,624(4)
Michael Steinmetz	1,649,624(4)
Kurt Wheeler	1,649,624(4)
Todd Foley	131,331(5)
Vaughn Kalian	131,331(5)
James Paul Scopa	131,331(5)

## Percent of Class:

MPM BioVentures II, L.P.	0.5%
MPM BioVentures II-QP, L.P.	4.4%
MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG	1.6%
MPM Asset Management Investors 2000B LLC	0.1%
MPM BioVentures IV Strategic Fund, L.P.	0.5%
MPM Asset Management II, L.P.	6.5%
MPM Asset Management II LLC	6.5%
MPM BioVentures IV GP LLC	0.5%
MPM BioVentures IV LLC	0.5%
Ansbert Gadicke	7.1%
Luke B. Evnin	7.1%
Nicholas Galakatos	6.6%
Michael Steinmetz	6.6%
Kurt Wheeler	6.6%
Todd Foley	0.5%
Vaughn Kalian	0.5%
James Paul Scopa	0.5%

## (b) Number of shares as to which the person has:

## (i) Sole power to vote or to direct the vote

MPM BioVentures II, L.P.	122,566
MPM BioVentures II-QP, L.P.	1,110,529
MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG	390,961
MPM Asset Management Investors 2000B LLC	25,568
MPM BioVentures IV Strategic Fund, L.P.	131,331
MPM Asset Management II, L.P.	0
MPM Asset Management II LLC	0
MPM BioVentures IV GP LLC	0
MPM BioVentures IV LLC	0
Ansbert Gadicke	0
Luke B. Evnin	0
Nicholas Galakatos	0
Michael Steinmetz	0
Kurt Wheeler	0
Todd Foley	0
Vaughn Kalian	0
James Paul Scopa	0

## (ii) Shared power to vote or to direct the vote

MPM BioVentures II, L.P.	0
MPM BioVentures II-QP, L.P.	0
MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG	0
MPM Asset Management Investors 2000B LLC	0
MPM BioVentures IV Strategic Fund, L.P.	0
MPM Asset Management II, L.P.	1,311,339(1)
MPM Asset Management II LLC	1,311,339(1)
MPM BioVentures IV GP LLC	131,331(2)
MPM BioVentures IV LLC	131,331(2)
Ansbert Gadicke	1,780,955(3)
Luke B. Evnin	1,780,955(3)
Nicholas Galakatos	1,649,624(4)
Michael Steinmetz	1,649,624(4)
Kurt Wheeler	1,649,624(4)
Todd Foley	131,331(5)
Vaughn Kalian	131,331(5)
James Paul Scopa	131,331(5)

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

MPM BioVentures II, LP	122,566
MPM BioVentures II-QP, L.P.	1,110,529
MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG	390,961
MPM Asset Management Investors 2000B LLC	25,568
MPM BioVentures IV Strategic Fund, L.P.	131,331
MPM Asset Management II, L.P.	0
MPM Asset Management II LLC	0
MPM BioVentures IV GP LLC	0
MPM BioVentures IV LLC	0
Ansbert Gadicke	0
Luke Evnin	0
Nicholas Galakatos	0
Michael Steinmetz	0
Kurt Wheeler	0
Todd Foley	0
Vaughn Kalian	0
James Paul Scopa	0

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

MPM BioVentures II, LP	0
MPM BioVentures II-QP, L.P.	0
MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG	0
MPM Asset Management Investors 2000B BVII LLC	0
MPM BioVentures IV Strategic Fund, L.P.	0
MPM Asset Management II, L.P.	1,311,339(1)
MPM Asset Management II LLC	1,311,339(1)
MPM BioVentures IV GP LLC	131,331(2)
MPM BioVentures IV LLC	131,331(2)
Ansbert Gadicke	1,780,955(3)
Luke B. Evnin	1,780,955(3)
Nicholas Galakatos	1,649,624(4)
Michael Steinmetz	1,649,624(4)
Kurt Wheeler	1,649,624(4)
Todd Foley	131,331(5)
Vaughn Kalian	131,331(5)
James Paul Scopa	131,331(5)

- (1) The shares are held as follows: 1,110,529 by BV II QP; 122,566 by BV II; and 390,961 by BV KG. AM LP and AM II LLC are the direct and indirect general partners of BV II QP, BV II and BV KG.
- (2) The shares are held by BV IV SF. BV IV LLC and BV IV GP LLC are the direct and indirect general partners of BV IV SF.
- (3) The shares are held as follows: 1,110,529 by BV II QP; 122,566 by BV II; 25,568 by AM 2000B; 390,961 by BV KG and 131,331 by BV IV SF. AM LP and AM II LLC are the direct and indirect general partners of BV II QP, BV II and BV KG. BV IV LLC and BV IV GP LLC are the direct and indirect general partners of BV IV SF. The Reporting Person is an investment manager of AM II LLC and AM 2000B and a member of BV IV LLC.
- (4) The shares are held as follows: 1,110,529 by BV II QP; 122,566 by BV II; 25,568 by AM 2000B; and 390,961 by BV KG. AM LP and AM II LLC are the direct and indirect general partners of BV II QP, BV II and BV KG. The Reporting Person is an investment manager of AM II LLC and AM 2000B.
- (5) The shares are held by BV IV SF. BV IV LLC is the indirect general partner of BV IV SF. The Reporting Person is a member of BV IV LLC.

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**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 .

**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

**Item 9. Notice of Dissolution of a Group**

Not Applicable

**Item 10. Certification**

Not Applicable

**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.

Dated: February 11, 2014

MPM BIOVENTURES II, L.P.

By: MPM Asset Management II, L.P.,  
its General Partner

By: MPM Asset Management II LLC,  
its General Partner

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager

MPM BIOVENTURES GMBH & CO. PARALLEL-BETEILIGUNGS KG

By: MPM Asset Management II LP, in its capacity as the Special Limited  
Partner

By: MPM Asset Management II LLC, its General Partner

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager

MPM BIOVENTURES IV STRATEGIC FUND, L.P.

By: MPM Bio Ventures IV GP LLC,  
its General Partner

By: MPM Bio Ventures IV LLC,  
its Managing Member

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Member

MPM ASSET MANAGEMENT II L.P.

By: MPM Asset Management II LLC, its General Partner

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager

MPM BIOVENTURES II-QP, L.P.

By: MPM Asset Management II, L.P.,  
its General Partner

By: MPM Asset Management II LLC,  
its General Partner

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager

MPM ASSET MANAGEMENT INVESTORS 2000B LLC

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager

MPM ASSET MANAGEMENT II LLC

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager



MPM BIOVENTURES IV GP LLC

By: MPM BioVentures IV LLC,  
its Managing Member

By: /s/ Luke Evin

Name: Luke Evin

Title: Member

/s/ Ansbert Gadicke

Ansbert Gadicke

/s/ Nicholas Galakatos

Nicholas Galakatos

/s/ Kurt Wheeler

Kurt Wheeler

/s/ James Paul Scopa

James Paul Scopa

MPM BIOVENTURES IV LLC

By: /s/ Luke Evin

Name: Luke Evin

Title: Member

/s/ Luke Evin

Luke Evin

/s/ Michael Steinmetz

Michael Steinmetz

/s/ Todd Foley

Todd Foley

/s/ Vaughn M. Kailian

Vaughn M. Kailian

**EXHIBITS**

A: Joint Filing Agreement

EXHIBIT A

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a statement on Schedule 13G (including amendments thereto) with respect to the Common Stock of MacroGenics, Inc. and further agree that this agreement be included as an exhibit to such filing. Each party to the agreement expressly authorizes each other party to file on its behalf any and all amendments to such statement. Each party to this agreement agrees that this joint filing agreement may be signed in counterparts.

In evidence whereof, the undersigned have caused this Agreement to be executed on their behalf this 11<sup>th</sup> day of February, 2014.

MPM BIOVENTURES II, L.P.

By: MPM Asset Management II, L.P.,  
its General Partner

By: MPM Asset Management II LLC,  
its General Partner

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager

MPM BIOVENTURES II-QP, L.P.

By: MPM Asset Management II, L.P.,  
its General Partner

By: MPM Asset Management II LLC,  
its General Partner

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager

MPM BIOVENTURES GMBH & CO. PARALLEL-BETEILIGUNGS KG

By: MPM Asset Management II LP, in its capacity as the Special Limited  
Partner

By: MPM Asset Management II LLC, its General Partner

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager

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By: /s/ Luke Evnin  
Name: Luke Evnin  
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MPM BIOVENTURES IV STRATEGIC FUND, L.P.

By: MPM BioVentures IV GP LLC,  
its General Partner

By: MPM BioVentures IV LLC,  
its Managing Member

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Member

MPM ASSET MANAGEMENT II L.P.

By: MPM Asset Management II LLC, its General Partner

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager

MPM ASSET MANAGEMENT II LLC

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Investment Manager

---

MPM BIOVENTURES IV GP LLC

By: MPM BioVentures IV LLC,  
its Managing Member

By: /s/ Luke Evin  
Name: Luke Evin  
Title: Member

/s/ Ansbert Gadicke  
Ansbert Gadicke

/s/ Nicholas Galakatos  
Nicholas Galakatos

/s/ Kurt Wheeler  
Kurt Wheeler

/s/ James Paul Scopa  
James Paul Scopa

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MPM BIOVENTURES IV LLC

By: /s/ Luke Evin  
Name: Luke Evin  
Title: Member

/s/ Luke Evin  
Luke Evin

/s/ Michael Steinmetz  
Michael Steinmetz

/s/ Todd Foley  
Todd Foley

/s/ Vaughn M. Kailian  
Vaughn M. Kailian