

Radius Health, Inc.
Form 4
December 16, 2011

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
EVNIN LUKE

(Last) (First) (Middle)

C/O MPM ASSET MANAGEMENT, 200 CLARENDON ST., 54TH FLOOR

(Street)

BOSTON, MA 02116

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Radius Health, Inc. [NONE]

3. Date of Earliest Transaction
(Month/Day/Year)
12/14/2011

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___X___ 10% Owner
___ Officer (give title below) ___ Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)
X Form filed by One Reporting Person
___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)		
				(A) or (D)	Code	V	Amount	(D)	Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transaction	5. Number of Derivative	6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Securities
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Security (Instr. 3)	or Exercise Price of Derivative Security	any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)	(Instr. 3 and 4)				
			Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Series A-1 Convertible Preferred Stock	(1)	12/14/2011	P	91,676 (2)		(1)	(1)	Common Stock	916,760 (1)	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
EVNIN LUKE C/O MPM ASSET MANAGEMENT 200 CLARENDON ST., 54TH FLOOR BOSTON, MA 02116			X	

Signatures

/s/ Luke Evnin 12/16/2011
 **Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Each share of Series A-1 Convertible Preferred Stock (the "Preferred Stock") has no expiration date and is convertible at any time, in whole or in part, at the election of the holder at a conversion ratio of 10 shares of Common Stock for every 1 share of Preferred Stock.
 The shares were purchased as follows: 51,119 by MPM BioVentures III-QP, L.P. ("BV III QP"), 3,437 by MPM BioVentures III, L.P. ("BV III"), 989 by MPM Asset Management Investors 2003 BVIII LLC ("AM 2003"), 1,543 by MPM BioVentures III Parallel Fund, L.P. ("BV Parallel"), 4,320 by MPM BioVentures III GmbH & Co. Beteiligungs KG ("BV KG") and 30,268 shares by MPM Bio IV NVS Strategic Fund, L.P. ("MPM NVS"). MPM BioVentures III GP, L.P. ("MPM III GP") and MPM BioVentures III LLC ("MPM III LLC") are the direct and indirect general partners of BV III QP, BV III and BV Parallel and BV KG. The reporting person is a Series A member of MPM III LLC and a manager of AM 2003. MPM BioVentures IV GP LLC ("BV IV GP LLC") and MPM BioVentures IV LLC ("BV IV LLC") are the direct and indirect general partners of MPM NVS. The reporting person is a member of BV IV LLC. The reporting person disclaims beneficial ownership of the securities reported herein except to the extent of his pecuniary interest therein.
 The shares are held as follows: 224,528 by BV III QP, 15,096 by BV III, 4,346 by AM 2003, 6,779 by BV Parallel, 18,975 by BV KG
- (3) and 114,537 by MPM NVS. The reporting person disclaims beneficial ownership of the securities reported herein except to the extent of his pecuniary interest therein.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.