

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>EVNIN LUKE</u> _____ (Last) (First) (Middle) <u>C/O MPM ASSET MANAGEMENT</u> <u>200 CLARENDON ST., 54TH FLOOR</u> _____ (Street) <u>BOSTON MA 02116</u> _____ (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>HEALTHCARE ACQUISITION CORP [HAQ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>08/03/2007</u>	

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 Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	08/03/2007		J ⁽¹⁾		3,218,250 ⁽¹⁾	A	(1)	3,343,250	I	See Footnote ⁽²⁾
Common Stock	08/07/2007		P		125,000 ⁽³⁾	A	\$7.7	3,468,250	I	See Footnote ⁽⁴⁾

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
8% Convertible Note	\$10	08/03/2007		J ⁽⁵⁾		\$4,702,960.41		(6)	08/03/2009	Common Stock	470,296	(5)	\$4,702,960.41	I	See Footnote ⁽⁷⁾

1. Name and Address of Reporting Person*
EVNIN LUKE

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 (Street)
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 (City) (State) (Zip)

1. Name and Address of Reporting Person*
GALAKATOS NICHOLAS

 (Last) (First) (Middle)
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 (City) (State) (Zip)

1. Name and Address of Reporting Person*
HENNER DENNIS

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1. Name and Address of Reporting Person*
[STEINMETZ MICHAEL](#)

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1. Name and Address of Reporting Person*
[GADICKE ANSBERT](#)

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1. Name and Address of Reporting Person*
[WHEELER KURT](#)

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1. Name and Address of Reporting Person*
[SIMON NICHOLAS J III](#)

(Last) (First) (Middle)
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BOSTON MA 02116

(City) (State) (Zip)

Explanation of Responses:

1. The shares were received in exchange for an aggregate of 17,933,960 shares of Series B and Series C Convertible Preferred Stock of PharmAthene, Inc. in connection with the acquisition of PharmAthene, Inc. through the merger of the Issuer's subsidiary into PharmAthene, Inc. (the "Merger"). The shares were received as follows: 2,669,130 by MPM BioVentures III-QP, L.P. ("BV III QP"), 179,482 by MPM BioVentures III, L.P. ("BV III"), 63,454 by MPM Asset Management Investors 2004 BVIII LLC ("AM 2004"), 80,617 by MPM BioVentures III Parallel Fund, L.P. ("BV Parallel") and 225,567 by MPM BioVentures III GmbH & Co. Beteiligungs KG ("BV KG"). 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. Luke Evnin, Ansbert Gadicke, Nicholas Galakatos, Dennis Henner, Nicholas Simon III, Michael Steinmetz and Kurt Wheeler are the members of MPM III LLC and AM 2004. Each member of the group disclaims beneficial ownership of the securities except to the extent of its pecuniary interest therein.
2. The shares are held as follows: 2,772,802 by BV III QP, 186,453 by BV III, 65,919 by AM 2004, 83,748 by BV Parallel and 234,328 by BV KG. Each member of the group disclaims beneficial ownership of the securities except to the extent of its pecuniary interest therein.
3. The shares were purchased as follows: 103,672 by BV III QP, 6,971 by BV III, 2,465 by AM 2004, 3,131 by BV Parallel and 8,761 by BV KG. Each member of the group disclaims beneficial ownership of the securities except to the extent of its pecuniary interest therein.
4. The shares are held as follows: 2,876,474 by BV III QP, 193,424 by BV III, 68,384 by AM 2004, 86,879 by BV Parallel and 243,089 by BV KG. Each member of the group disclaims beneficial ownership of the securities except to the extent of its pecuniary interest therein.
5. The notes were received in the Merger in cancellation of convertible promissory notes of PharmAthene, Inc. in the aggregate principal amount of \$4,425,867.53, plus accrued interest thereon.
6. Immediately convertible into shares of Common Stock of the Issuer at the rate of \$10.00 per share.
7. The notes are held as follows: \$3,900,508.33 by BV III QP, \$262,284.12 by BV III, \$92,728.30 by AM 2004, \$117,808.98 by BV Parallel and \$329,630.69 by BV KG. Each member of the group disclaims beneficial ownership of the securities except to the extent of its pecuniary interest therein.

Remarks:

See Form 4 for MPM BioVentures III-QP, L.P. for additional members of this joint filing.

[/s/ Luke Evnin](#) [08/07/2007](#)
[/s/ Nicholas Galakatos](#) [08/07/2007](#)
[/s/ Dennis Henner](#) [08/07/2007](#)
[/s/ Michael Steinmetz](#) [08/07/2007](#)
[/s/ Ansbert Gadicke](#) [08/07/2007](#)

/s/ Kurt Wheeler

08/07/2007

/s/ Nicholas J. Simon, III

08/07/2007

** Signature of Reporting Person

Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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