

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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>HENOS MICHAEL A</u> (Last) (First) (Middle) <u>C/O GLYCOMIMETICS, INC.</u> <u>401 PROFESSIONAL DRIVE, SUITE 250</u> (Street) <u>GAITHERSBURG MD 20879</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>GLYCOMIMETICS INC [GLYC]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>01/15/2014</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

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	01/15/2014		C		11,936 ⁽¹⁾	A	(2)	22,668	I	By Spouse ⁽³⁾
Common Stock	01/15/2014		C		337,579 ⁽¹⁾	A	(2)	453,808	I	By Funds ⁽⁴⁾⁽⁵⁾

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
Series A-1 Preferred Stock	(2)	01/15/2014		C		39,413		(2)	(2)	Common Stock	11,936	\$0.00	0	I	By Spouse ⁽⁶⁾
Series A-1 Preferred Stock	(2)	01/15/2014		C		1,114,690		(2)	(2)	Common Stock	337,579	\$0.00	0	I	By Funds ⁽⁵⁾⁽⁷⁾

Explanation of Responses:

- This represents shares received upon conversion of shares of Series A-1 convertible preferred stock.
- Effective immediately prior to the closing of the Issuer's initial public offering of its common stock, each share of Series A-1 Preferred Stock automatically converted into approximately 0.3028 shares of the Issuer's common stock. The Series A-1 Preferred Stock had no expiration date.
- These shares are held by Claudia Henos, Mr. Henos's spouse.
- The total includes 449,091 shares held by Alliance Technology Ventures III, L.P. ("ATV III") and 4,717 shares held by ATV III Affiliates Fund, L.P. ("ATV Affiliates").
- Mr. Henos is a manager of ATV III Partners, LLC, the general partner of ATV III and ATV Affiliates and shares voting and investment power with respect to the securities held by ATV III and ATV Affiliates. Mr. Henos disclaims beneficial ownership of the securities, except to the extent of his pecuniary interest therein.
- These shares of Series A-1 Preferred Stock were held by Claudia Henos, Mr. Henos's spouse.
- 1,103,540 shares of Series A-1 Preferred Stock were held by ATV III and 11,150 shares of Series A-1 Preferred Stock were held by ATV Affiliates.

Remarks:

/s/ Brian F. Leaf, Attorney-in-fact 01/15/2014

** 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.