# UNITED STATES
# SECURITIES AND EXCHANGE COMMISSION
**Washington, DC 20549**

# FORM 8-K

**CURRENT REPORT**
**Pursuant to Section 13 or 15(d) of**
**The Securities Exchange Act of 1934**

**Date of Report (Date of earliest event reported): May 8, 2017**

## GlycoMimetics, Inc.
(Exact name of registrant as specified in its charter)

| **Delaware** | **001-36177** | **06-1686563** |
|---|---|---|
| (State or other jurisdiction of incorporation) | (Commission File Number) | (IRS Employer Identification No.) |

**9708 Medical Center Drive**
**Rockville, MD 20850**
(Address of principal executive offices, including zip code)

**(240) 243-1201**
(Registrant's telephone number, including area code)

**N/A**
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

[ ] Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

[ ] Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

[ ] Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

[ ] Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth Company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company ☑

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☑

**Item 2.02 Results of Operations and Financial Condition.**

On May 8, 2017, GlycoMimetics, Inc. (the "***Registrant***") issued a press release announcing its financial results for the quarter ended March 31, 2017. A copy of this press release is furnished herewith as Exhibit 99.1 to this Current Report and is incorporated herein by reference.

In accordance with General Instruction B.2. of Form 8-K, the information in this Item 2.02, and Exhibit 99.1 hereto, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "***Exchange Act***"), or otherwise subject to the liability of that section, nor shall it be deemed incorporated by reference in any of the Registrant's filings under the Securities Act of 1933, as amended, or the Exchange Act, whether made before or after the date hereof, regardless of any incorporation language in such a filing, except as expressly set forth by specific reference in such a filing.

**Item 9.01 Financial Statements and Exhibits.**

**(d) Exhibits**

| Exhibit Number | Exhibit Description |
|---|---|
| 99.1 | Press Release, dated May 8, 2017, "GlycoMimetics Reports Program Updates and First Quarter 2017 Results." |

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**GLYCOMIMETICS, INC.**

By: /s/ Brian M. Hahn
Brian M. Hahn
Chief Financial Officer

Date: May 8, 2017

**EXHIBIT INDEX**

| Exhibit Number | Exhibit Description |
|---|---|
| 99.1 | Press Release, dated May 8, 2017, "GlycoMimetics Reports Program Updates and First Quarter 2017 Results." |

Exhibit 99.1


**GLYCOMIMETICS REPORTS PROGRAM UPDATES AND FIRST QUARTER 2017 RESULTS**

- Completed enrollment in the first of two patient cohorts in the Phase 1/2 acute myeloid leukemia (AML) trial of GMI-1271
- Presented preclinical data for GMI-1271 and GMI-1359 in multiple myeloma at AACR Annual Meeting 2017
- Company management will host a conference call on Thursday, May 18, 2017 at 8:30 a.m. Eastern time to provide an update on development programs

**ROCKVILLE, MD, MAY 8, 2017** – GlycoMimetics, Inc. (NASDAQ: GLYC) today reported progress on its clinical development programs and its financial results for the first quarter ended March 31, 2017.

"In the first quarter of 2017, GlycoMimetics delivered on its plan to provide updates on both data and the status of its ongoing pipeline programs. The acceptance of our clinical and preclinical abstracts for presentation at key oncology congresses, including AACR and more recently, ASCO, reinforces our enthusiasm for the GMI-1271 and GMI-1359 programs, and demonstrates to the scientific and physician communities the relevance of our work to address unmet medical needs in a novel way. As we look forward to the remainder of 2017, our plan is to build on this progress with further data updates: at the Annual ASCO meeting in Chicago followed by the European Hematology Association meeting, both before the end of the second quarter in June. Additionally, we can report that the Phase 3 program to evaluate rivipansel for vaso-occlusive sickle cell crisis, according to our partner Pfizer, remains on track for completion in the second half of 2018, " said Rachel King, GlycoMimetics' Chief Executive Officer.

Company management will host a conference call on Thursday, May 18, 2017 at 8:30 a.m. Eastern time to provide a clinical data update from the abstracts for the upcoming ASCO conference. A question and answer session with the GlycoMimetics team will follow the company's remarks. The call can be accessed by dialing (844) 413-7154 (U.S. and Canada) or (216) 562-0466 (international) and entering passcode 4110139. To access the live audio webcast, or the subsequent archived recording, visit the "Investors - Events & Presentations" section of the GlycoMimetics website at www.glycomimetics.com. The webcast will be recorded and available for replay on the GlycoMimetics website for 30 days following the call.

**Key Operational Highlights for the First Quarter of 2017:**

- The first of two patient cohorts in the Phase 2 portion of the AML trial of GMI-1271 has completed enrollment. This cohort is comprised of 25 patients 60 years of age or older with newly diagnosed AML. The study is designed to evaluate the potential of GMI-1271, GlycoMimetics' E-selectin antagonist drug candidate, in combination with chemotherapy, as a treatment for patients with both newly diagnosed and relapsed/refractory AML. Enrollment in the study's second cohort is expected to complete in the middle of this year. The two arms combined will enroll a total of about 90 patients.
- Pre-clinical research supporting the potential of two of its drug candidates, GMI-1271 and GMI-1359, against multiple myeloma was shared via an oral presentation at the American Association for Cancer Research (AACR) Annual Meeting 2017. Combination therapy of carfilzomib with GMI-1271 or GMI-1359 prolonged survival of mice with multiple myeloma over treatment with carfilzomib alone.
- The company announced that it will provide an update on clinical data from its Phase 1/2 study of GMI-1271 in AML at the 2017 American Society for Clinical Oncology in Chicago. GMI-1271 is an antagonist of E-selectin, for which prior clinical data has shown an emerging and differentiated potential efficacy and safety profile.

First Quarter 2017 Financial Results:

- Cash position: As of March 31, 2017, GlycoMimetics had cash and cash equivalents of $34.6 million as compared to $40.0 million as of December 31, 2016. Subsequent to March 31, 2017, the Company has raised an additional $3.8 million in net proceeds under the at-the-market facility.
- R&D Expenses: The company's research and development expenses increased to $5.9 million for the quarter ended March 31, 2017 as compared to $5.5 million for the first quarter of 2016. The increase was due to on-going costs associated with the clinical trials for GMI-1271 in AML and MM, partially offset by a decrease in expenses related to manufacturing and process development for GMI-1271.
- G&A Expenses: The company's general and administrative expenses remained at $2.1 million for both the quarters ended March 31, 2017 and 2016.
- Shares Outstanding: Shares outstanding as of March 31, 2017 were 23,855,934.

A**bout GMI-1271**

GMI-1271 is designed to block E-selectin (an adhesion molecule on cells in the bone marrow) from binding with blood cancer cells as a targeted approach to disrupting well-established mechanisms of leukemic cell resistance within the bone marrow microenvironment. Preclinical research points to the drug's potential role in moving cancerous cells out of the protective environment of the bone marrow where they hide and escape the effects of chemotherapy. In preclinical studies using animal models of AML, the results of which were presented at ASH meetings, GMI-1271 was also associated with a reduction of chemotherapy-induced neutropenia and chemotherapy-induced mucositis.

**About GMI-1359**

GMI-1359 is designed to simultaneously inhibit both E-selectin and CXCR4. E-selectin and CXCR4 are both adhesion molecules that keep cancer cells in the bone marrow. Preclinical studies indicate that targeting both E-selectin and CXCR4 with a single compound could improve efficacy in the treatment of cancers that involve the bone marrow such as AML and MM.

**About GlycoMimetics, Inc.**

GlycoMimetics is a clinical-stage biotechnology company focused on cancer and sickle cell disease. GlycoMimetics' most advanced drug candidate, rivipansel, a pan-selectin antagonist, is being developed for the treatment of vaso-occlusive crisis in sickle cell disease and is being evaluated in a Phase 3 clinical trial being conducted by its strategic collaborator, Pfizer. GlycoMimetics' wholly-owned drug candidate, GMI-1271, an E-selectin antagonist, is being evaluated in an ongoing Phase 1/2 clinical trial as a potential treatment for AML and in a Phase 1/2 clinical trial as a potential treatment for MM. GlycoMimetics has also recently completed dosing in a Phase 1 clinical trial with a third drug candidate, GMI-1359, a combined CXCR4 and E-selectin antagonist. GlycoMimetics is located in Rockville, MD in the BioHealth Capital Region. Learn more at www.glycomimetics.com.

**Cautionary Note Regarding Forward-Looking Statements**

This press release contains forward-looking statements regarding the clinical development of the company's drug candidates, including the expected timing of enrollment in and completion of clinical trials and the presentation of clinical data at scientific conferences. Actual results may differ materially from those in these forward-looking statements. For a further description of the risks associated with these statements, as

well as other risks facing GlycoMimetics, please see the risk factors described in the company's annual report on Form 10-K that was filed with the U.S. Securities and Exchange Commission (SEC) on March 1, 2017, and other filings GlycoMimetics makes with the SEC from time to time. Forward-looking statements speak only as of the date of this release, and GlycoMimetics undertakes no obligation to update or revise these statements, except as may be required by law.

###

Source: GlycoMimetics

**Investor Contact:**
Shari Annes
Phone: 650-888-0902
Email: sannes@annesassociates.com

**Media Contact:**
Jamie Lacey-Moreira
Phone: 410-299-3310
Email: jamielacey@presscommpr.com

GlycoMimetics, Inc.
Condensed Statements of Operations
(In thousands, except share and per share data)

| | Three months ended March 31, | |
|---|---|---|
| | 2017 | 2016 |
| | (Unaudited) | |
| Revenue | $ — | $ — |
| Costs and expenses: | | |
| Research and development expense | 5,879 | 5,519 |
| General and administrative expense | 2,092 | 2,056 |
| Total costs and expenses | 7,971 | 7,575 |
| Loss from operations | (7,971) | (7,575) |
| Other income | 39 | 20 |
| Net loss and comprehensive loss | $ (7,932) | $ (7,555) |
| Net loss per common share – basic and diluted | $ (0.34) | $ (0.40) |
| Weighted average common shares – basic and diluted | 23,480,432 | 19,071,838 |

GlycoMimetics, Inc.
Balance Sheet Data
(In thousands)

| | March 31, 2017 (unaudited) | December 31, 2016 |
|---|---|---|
| Cash and cash equivalents | $ 34,591 | $ 40,042 |
| Working capital | 30,754 | 34,187 |
| Total assets | 37,174 | 42,388 |
| Total liabilities | 5,288 | 7,087 |
| Total stockholders' equity | 31,886 | 35,301 |