

November 9, 2015

## **GlycoMimetics E-selectin and Blood Cancer Data to Be Highlighted at 57th Annual ASH Meeting**

GAITHERSBURG, Md.--(BUSINESS WIRE)-- GlycoMimetics, Inc. (NASDAQ: GLYC) announced today that data from two drug candidates in its pipeline, GMI-1271 and GMI-1359, will be featured during one oral presentation and three poster sessions at the 57<sup>th</sup> American Society of Hematology (ASH) Annual Meeting and Exposition. ASH is being held December 5 to 8, 2015, in Orlando, Florida.

A series of studies, selected for an oral presentation at ASH, demonstrated that GMI-1271 could be used to mobilize and enrich a population of primitive T cells known as T memory stem (Tscm) or T central memory (Tcm) cells. These Tscm/cm cells are known to have greater reconstitution and survival properties making them ideal for use in adoptive T-cell therapy, including engineered CAR-T approaches. [GMI-1271](#), an antagonist to the cell adhesion molecule E-selectin, is currently being testing in patients with acute myeloid leukemia (AML) in a Phase 1/2 clinical study designed to evaluate its safety, pharmacokinetics (PK) and efficacy when used together with chemotherapy.

Safety, pharmacokinetic and biomarker profiles from a recently completed Phase 1 clinical trial of GMI-1271 in healthy volunteers will also be presented. In addition, data demonstrating that GMI-1271 can overcome drug resistance in animal models of multiple myeloma will be presented in an ASH poster.

For the first time, preclinical data on GMI-1359 antitumor activity in hematologic malignancies will be presented publicly. Specifically, data demonstrating that GMI-1359 synergizes with chemotherapy in animal models of Flt-3 positive AML will be presented in a poster session. [GMI-1359](#) is a compound that targets both E-selectin and CXCR4, established pathways for cancer cell trafficking and resistance to chemotherapy. GlycoMimetics plans to file an investigational new drug application (IND) with the U.S. Food & Drug Administration for GMI-1359 in 2016.

"The fact that a total of four abstracts on GMI-1271 and GMI-1359 were accepted for the ASH meeting, and that the latest data from our work is being presented orally for the eighth year in a row at the meeting, underscores the potential of these drug candidates as more effective treatments for blood cancers like multiple myeloma and acute myeloid leukemia. In addition, the data on mobilization and enrichment of Tscm/cm cells demonstrates exciting possible applications of GMI-1271 in cancer immunotherapy approaches," said [John L. Magnani](#), Ph.D., Vice President and Chief Scientific Officer of Glycomimetics. "Our new clinical and preclinical data show the scientific rationale for continuing clinical testing of GMI-1271, and the potential advancement of GMI-1359 into clinical trials."

Details of the abstracts, including session times and locations, include:

### **Oral Presentation**

"Mobilization of CD8+ Central Memory T-Cells with Enhanced Reconstitution Potential in Mice By a Combination of G-CSF and GMI-1271-Mediated E-Selectin Blockade." Abstract Submission #86643 (Session Name: 711. Cell Collection and Processing: Comparative Studies and Novel Agents.) Monday, December 7, 2015, 7:15 a.m. EST, Orange County Convention Center, Tangerine 2 (WF2).

### **Posters**

"First in Human Phase 1 Single Dose Escalation Studies of the E-Selectin Antagonist GMI-1271 Show a Favorable Safety, Pharmacokinetic, and Biomarker Profile." Abstract Submission #84143 (Session Name: 201. Granulocytes, Monocytes and Macrophages: Poster I.) Orange County Convention Center, Hall A, Saturday, December 5, 2015 from 5:30 p.m. - 7:30 p.m. EST.

"The Dual E-Selectin/CXCR4 Inhibitor, GMI-1359, Enhances Efficacy of Anti-Leukemia Chemotherapy in *FLT3*-ITD Mutated Acute Myeloid Leukemia." Abstract Submission #86176 (Session Name: 616. Acute Myeloid Leukemia: Novel Therapy, Excluding Transplantation: Poster III.) Orange County Convention Center, Hall A, Monday, December 7, 2015 from 6:00 p.m. - 8:00 p.m. EST.

"E-Selectin Ligand Expression Increases with Progression of Myeloma and Induces Drug Resistance in a Murine Transplant Model, Which is Overcome by the Glycomimetic E-Selectin Antagonist, GMI-1271." Abstract Submission #85139 (Session

Name: 652. Myeloma: Pathophysiology and Pre-Clinical Studies, Excluding Therapy: Poster I.) Orange County Convention Center, Hall A, Saturday, December 5, 2015 from 5:30 p.m. - 7:30 p.m. EST.

The meeting abstracts are available at [ASH's website](#).

### **About GlycoMimetics, Inc.**

GlycoMimetics is a clinical stage biotechnology company focused on the discovery and development of novel glycomimetic drugs to address unmet medical needs resulting from diseases in which carbohydrate biology plays a key role. GlycoMimetics entered into an exclusive license agreement with Pfizer for rivipansel in October 2011. Under the license agreement, Pfizer is responsible for the clinical development, regulatory approval and potential commercialization of rivipansel.

GlycoMimetics's wholly-owned drug candidate (GMI-1271) for AML and other blood disorders is also in clinical trials. Glycomimetics are molecules that mimic the structure of carbohydrates involved in important biological processes. Using its expertise in carbohydrate chemistry and knowledge of carbohydrate biology, GlycoMimetics is developing a pipeline of glycomimetic drug candidates that inhibit disease-related functions of carbohydrates, such as the roles they play in inflammation, cancer and infection. Learn more at [www.glycomimetics.com](http://www.glycomimetics.com).

### **Cautionary Note Regarding Forward-Looking Statements**

This press release contains forward-looking statements regarding the clinical development of GMI-1271 and GMI-1359. 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 quarterly report on Form 10-Q that was filed with the U.S. Securities and Exchange Commission on August 6, 2015, and other filings the Company 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.

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