



May 13, 2015

MacroGenics Announces Presentation at ASCO Annual Meeting 2015

Company to Present Updated Findings From Its Phase 1 Study of Margetuximab

ROCKVILLE, Md., May 13, 2015 (GLOBE NEWSWIRE) -- MacroGenics, Inc. (Nasdaq:MGNX), a clinical-stage biopharmaceutical company focused on discovering and developing innovative monoclonal antibody-based therapeutics for the treatment of cancer, as well as autoimmune disorders and infectious diseases, today announced that clinical data from its Phase 1 study of margetuximab will be presented at the 51st Annual Meeting of the American Society of Clinical Oncology (ASCO), which is being held from May 29 to June 2, 2015 in Chicago, Illinois.

MacroGenics will participate in the following poster session:

Title: *Updated findings of a first-in-human, phase I study of margetuximab (M), an Fc-optimized chimeric monoclonal antibody (MAb), in patients (pts) with HER2-positive advanced solid tumors*

Poster Time: Saturday, May 30, 2015, from 8:00 - 11:30 AM (CT)

Location: S Hall A

Track: Breast Cancer

Poster Board Number: 11

Abstract Number: 523

Presented by: Howard A. Burris, M.D.

Additional abstract details can be found at abstracts.asco.org.

A poster discussion session that will include the above poster will take place on Saturday, May 30, 2015, from 1:15 - 2:30pm (CT) at N Hall B1.

About Margetuximab

Margetuximab is an antibody that targets HER2-expressing tumors, including certain types of breast and gastroesophageal cancers. Human epidermal growth factor receptor 2, or HER2, is critical for the growth of many types of tumors. Using its Fc-Optimization platform, the Company has engineered the constant region, or Fc-region, of margetuximab to increase margetuximab's ability to kill tumor cells through an Fc-dependent mechanism, including antibody dependent cell-mediated cytotoxicity, or ADCC. In 2015, MacroGenics plans to commence a Phase 3 potential registration clinical trial with margetuximab called "SOPHIA" in patients with metastatic breast cancer expressing HER2 at the 3+ level by immunohistochemistry (IHC) or 2+ level by IHC with gene amplification and for whom therapy with other HER2-directed therapeutic agents has failed. The Company also plans to commence an exploratory Phase 1/2 study combining margetuximab with another immuno-oncology therapeutic in patients with gastroesophageal cancer.

About MacroGenics, Inc.

MacroGenics is a clinical-stage biopharmaceutical company focused on discovering and developing innovative monoclonal antibody-based therapeutics for the treatment of cancer, as well as autoimmune disorders and infectious diseases. The company generates its pipeline of product candidates from its proprietary suite of next-generation antibody-based technology platforms. The combination of MacroGenics' technology platforms and protein engineering expertise has allowed the Company to generate promising product candidates and enter into several strategic collaborations with global pharmaceutical and biotechnology companies. For more information, please see the Company's website at www.macrogenics.com. MacroGenics is a registered trademark of MacroGenics, Inc.

Cautionary Note on Forward-Looking Statements

Any statements in this press release about future expectations, plans and prospects for the Company, including statements about the Company's strategy, future operations, clinical development of the Company's therapeutic candidates, milestone or opt-in payments from the Company's collaborators, the Company's anticipated milestones and future expectations and plans and prospects for the Company and other statements containing the words "anticipate," "believe," "estimate," "expect," "intend,"

"may," "plan," "predict," "project," "target," "potential," "will," "would," "could," "should," "continue," and similar expressions, constitute forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: the uncertainties inherent in the initiation and enrollment of future clinical trials, expectations of expanding ongoing clinical trials, availability and timing of data from ongoing clinical trials, expectations for regulatory approvals, other matters that could affect the availability or commercial potential of the Company's product candidates and other risk factors described in the Company's filings with the Securities and Exchange Commission. In addition, the forward-looking statements included in this press release represent the Company's views as of the date hereof. The Company anticipates that subsequent events and developments will cause the Company's views to change. However, while the Company may elect to update these forward-looking statements at some point in the future, the Company specifically disclaims any obligation to do so. These forward-looking statements should not be relied upon as representing the Company's views as of any date subsequent to the date hereof.

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