



aTyr Pharma to Present Poster at the 2020 American Association for Cancer Research (AACR) Virtual Annual Meeting II

May 20, 2020

Poster details data from aTyr's pre-clinical, domain specific Neuropilin-2 (NRP2) antibody program highlighting therapeutic potential in triple-negative breast cancer

SAN DIEGO, May 20, 2020 (GLOBE NEWSWIRE) -- aTyr Pharma, Inc. (Nasdaq: LIFE), a biotherapeutics company engaged in the discovery and development of innovative medicines based on novel immunological pathways, today announced that it will present an abstract in a poster session at the [2020 American Association for Cancer Research \(AACR\) Virtual Annual Meeting II](#), which is being held June 22 – 24, 2020. The abstract is available online and will be included in an online-only *Proceedings* supplement to the AACR journal *Cancer Research* following the AACR Virtual Annual Meeting II. The poster is expected to be available on the AACR website on June 22, 2020.

Details of the abstract and poster presentation are as follows:

Title: [Domain-Specific Antibodies to Neuropilin 2 Implicate VEGF-C and not Semaphorin 3F in Breast Cancer Stem Cell Function](#)

Authors: Leslie A. Nangle, Luke Burman, Hira L. Goel, Zhiwen Xu, Kristina Hamel, Nathaniel Bloom, Arthur M. Mercurio. aTyr Pharma, San Diego, CA, UMASS, Boston, MA, UMASS, Boston, MA

Abstract Number: 7308

Session: Identification of Molecular Targets 1

Poster Number: 1785

Presentation Type: E-poster

Date and Time: June 22, 2020 (9:00AM – 6:00PM EDT)

About NRP2

Neuropilin-2 (NRP2) is a cell surface receptor that plays a key role in lymphatic development and in regulating inflammatory responses. In many forms of cancer, high NRP2 expression is associated with worse outcomes. NRP2 can interact with multiple ligands and co-receptors through distinct domains to influence their functional roles, making it a potential drug target with multiple distinct therapeutic applications. NRP2 interacts with type 3 semaphorins and plexins to impact inflammation and with forms of vascular endothelial growth factor (VEGF) and their receptors, to impact lymphangiogenesis. In addition, NRP2 modulates interactions between CCL21 and CCR7 potentially impacting homing of dendritic cells to lymphoid organs. aTyr is currently investigating NRP2 receptor biology, both internally and in collaboration with key academic thought leaders, as a novel target for new product candidates for a variety of diseases, including cancer and inflammation.

About aTyr

aTyr is a biotherapeutics company engaged in the discovery and development of innovative medicines based on novel immunological pathways. aTyr's research and development efforts are concentrated on a newly discovered area of biology, the extracellular functionality and signaling pathways of tRNA synthetases. aTyr has built a global intellectual property estate directed to a potential pipeline of protein compositions derived from 20 tRNA synthetase genes and their extracellular targets. aTyr's primary focus is ATYR1923, a clinical-stage product candidate which binds to the neuropilin-2 receptor and is designed to down-regulate immune engagement in interstitial lung diseases. For more information, please visit <http://www.atyrpharma.com>.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are usually identified by the use of words such as "anticipates," "believes," "estimates," "expects," "intends," "may," "plans," "projects," "seeks," "should," "will," and variations of such words or similar expressions. We intend these forward-looking statements to be covered by such safe harbor provisions for forward-looking statements and are making this statement in planned clinical trials), the possibility of unexpected expenses or other demands on our cash resources, and the risk that we may not be able to raise the additional funding required for our business and product development plans, as well as those risks set forth in our most recent Annual Report on Form 10-K, Quarterly Reports on Form 10-Q and in our other SEC filings. Except as required by law, we assume no obligation to update publicly any forward-looking statements, whether as a result of new information, future events or otherwise.

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Source: aTyr Pharma, Inc.