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## **Anixa Biosciences Announces Japanese Patent on Breast Cancer Vaccine Technology**

SAN JOSE, Calif., July 17, 2024 /PRNewswire/ -- [Anixa Biosciences, Inc.](https://www.anixabiosciences.com) ("Anixa" or the "Company") (NASDAQ: ANIX), a biotechnology company focused on the treatment and prevention of cancer, today announced that its collaborator, Cleveland Clinic, has received a "Decision to Grant" notice from the Japan Patent Office (JPO) for the patent application titled "Vaccine Adjuvants and Formulations."

"This new Japanese patent extends the claims for this novel breast cancer vaccine technology to an additional geographic region, beyond the U.S. and European patents previously awarded," stated Anixa Chairman and CEO Dr. Amit Kumar. "As the exclusive worldwide licensee of the technology, we value the additional protection this patent provides as we continue clinical development."

The vaccine is currently being studied in a phase one clinical trial at Cleveland Clinic.

Anixa's breast cancer vaccine takes advantage of endogenously produced proteins that have a function at certain times in life, but then become "retired" and disappear from the body. One such protein is a breast-specific lactation protein,  $\alpha$ -lactalbumin, which is no longer found post-lactation in normal, aging tissues, but is present in certain breast cancers. Activating the immune system against this "retired" protein provides preemptive immune protection against emerging breast tumors that express  $\alpha$ -lactalbumin. The vaccine also contains an adjuvant that activates an innate immune response, which allows the immune system to mount a response against emerging tumors to prevent them from growing.

This vaccine technology was invented by the late Dr. Vincent Tuohy, who was the Mort and Iris November Distinguished Chair in Innovative Breast Cancer Research in the Department of Inflammation and Immunity at Cleveland Clinic's Lerner Research Institute. Cleveland Clinic exclusively licensed this technology to Anixa Biosciences. Dr. Tuohy was entitled to a portion of the commercialization revenues received by Cleveland Clinic and also held equity in Anixa.

**About Anixa Biosciences, Inc.**

Anixa is a clinical-stage biotechnology company focused on the treatment and prevention of cancer. Anixa's therapeutic portfolio consists of an ovarian cancer immunotherapy program being developed in collaboration with Moffitt Cancer Center, which uses a novel type of CAR-T, known as chimeric endocrine receptor T-cell (CER-T) technology. The Company's vaccine portfolio includes vaccines being developed in collaboration with Cleveland Clinic to prevent breast cancer – specifically triple negative breast cancer (TNBC), the most lethal form of the disease – and ovarian cancer, as well as additional cancer vaccines to address many intractable cancers, including high incidence malignancies in lung, colon, and prostate. These vaccine technologies focus on immunizing against "retired" proteins that have been found to be expressed in certain forms of cancer. Anixa's unique business model of partnering with world-renowned research institutions on all stages of development allows the Company to continually examine emerging technologies in complementary fields for further development and commercialization. To learn more, visit [www.anixa.com](http://www.anixa.com) or follow Anixa on [Twitter](#), [LinkedIn](#), [Facebook](#) and [YouTube](#).

### **Forward-Looking Statements**

Statements that are not historical fact may be considered forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are not statements of historical facts, but rather reflect Anixa's current expectations concerning future events and results. We generally use the words "believes," "expects," "intends," "plans," "anticipates," "likely," "will" and similar expressions to identify forward-looking statements. Such forward-looking statements, including those concerning our expectations, involve risks, uncertainties and other factors, some of which are beyond our control, which may cause our actual results, performance or achievements, or industry results, to be materially different from any future results, performance, or achievements expressed or implied by such forward-looking statements. These risks, uncertainties and factors include, but are not limited to, those factors set forth in "Item 1A - Risk Factors" and other sections of our most recent Annual Report on Form 10-K as well as in our Quarterly Reports on Form 10-Q and Current Reports on Form 8-K. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law. You are cautioned not to unduly rely on such forward-looking statements when evaluating the information presented in this press release.

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