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Anixa Biosciences Presents Positive Data on its Liquid Biopsy for Early Detection of Breast Cancer at AACR Conference

SAN JOSE, Calif., Dec. 3, 2018 /PRNewswire/ -- Anixa Biosciences, Inc. (NASDAQ: ANIX), a biotechnology company focused on using the body's immune system to fight cancer, presented the latest data from its ongoing study focusing on early detection of breast cancer, utilizing Cchek™, its artificial intelligence (AI) driven cancer detection technology, at the American Association of Cancer Research (AACR) Special Conference on Tumor Immunology and Immunotherapy. The conference is designed to integrate multidisciplinary facets of basic cancer immunology and immunotherapy to broaden the understanding of ways to harness the immune system to address cancer. The conference was held November 27–30, 2018 in Miami Beach, Florida.



Anixa presented data demonstrating the ability of Cchek™ to identify the presence of early stage breast cancer in a subject by using its AI technology to analyze a simple blood draw. The Cchek™ technology demonstrated a sensitivity of 89.3% when detecting early stage breast cancer (Stage I or II) and a specificity (the ability to correctly identify healthy subjects) of 94.7% when used to test blinded samples. Furthermore, Cchek™ was also able to detect the early stages of breast cancer (Stage 0) in subjects with biopsy-confirmed ductal carcinoma in situ (DCIS), a type of pre-cancerous/non-invasive breast lesion that often leads to invasive breast cancer, with 72% sensitivity. The presentation is available on Anixa's website, or it may be requested by sending an email to AACR-TII-2018@anixa.com and including your name, title, and contact information.

"We are pleased to have made our presentation titled, *Combining the immunophenotyping*

of MDSCs and lymphocytes with artificial intelligence (AI) to predict early stage breast cancer, at the AACR Tumor Immunology and Immunotherapy conference. This data was focused on using our Cchek™ technology to detect breast cancer in its early stages, primarily stage I and II when the cancer is more easily treated. The majority of screening technologies currently used for breast cancer detection, such as mammography, have the ability to detect later stage breast malignancies rather successfully but have shown difficulty with earlier stages. A major challenge with mammography is the large number of false positives resulting in overtreatment and many unnecessary biopsies," stated Dr. Amit Kumar, President and CEO of Anixa Biosciences. "As our study continues, we hope to enable a better approach for identifying breast cancer as early as possible including even when a non-invasive breast cancer lesion is present, such as in the case of DCIS. We have previously announced that our initial commercial focus is on a prostate cancer test for which we will be meeting with the USFDA on December 17, 2018. We recently presented our latest prostate cancer data at the 33rd Annual Meeting of The Society for Immunotherapy of Cancer (SITC)," added Dr. Kumar.

American Association of Cancer Research (AACR)

The American Association of Cancer Research (AACR) (www.aacr.org) is a 501(c)(3) public charity headquartered in Philadelphia, PA. The mission of the AACR is to prevent and cure cancer through research, education, communication and collaboration. Through its programs and services, the AACR fosters cancer research and related biomedical science; accelerates the dissemination of new research findings among scientists and others dedicated to the conquest of cancer; promotes science education and training; and advances the understanding of cancer causes, prevention, diagnosis and treatment throughout the world.

About Anixa Biosciences, Inc.

[Anixa](http://www.anixa.com), a cancer-focused biotechnology company, is harnessing the body's immune system in the fight against cancer. Anixa is developing both diagnostics and therapeutics to detect cancer early, when it is most curable, and to treat those afflicted once diagnosed. It is developing the Cchek™ platform, a series of inexpensive non-invasive blood tests for the early detection of solid tumors, which is based on the body's immune response to the presence of a malignancy. It is also developing chimeric antigen receptor T-cell (CAR-T) based immuno-therapy drugs which genetically engineer a patient's own immune cells to fight cancer. Anixa also continually examines emerging technologies in complementary or related fields for further development and commercialization. Additional information is available at www.anixa.com.

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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