



AREV LIFE SCIENCES GLOBAL CORP.

PRESS RELEASE

### **AREV SAB member Richard Van Breeman PhD publishes landmark study on CoVid19**

VANCOUVER, BC / January 18, 2022 / AREV LIFE SCIENCES GLOBAL CORP. (CSE: AREV) (OTC: AREVF) (“AREV” or the “Company”) is pleased to announce a recent study by Richard Van Breeman PhD, a member of AREV’s Scientific Advisory Board (SAB), along with collaborators at Oregon State University’s (OSU) College of Pharmacy, the Linus Pauling Institute and OSU’s Global Hemp Innovation Center, published in the January edition of the Journal of Natural Products has demonstrated the potential utility of specific cannabinoids against all variants of Covid19

*“This exciting research generated from Dr Van Breeman’s lab demonstrates the opportunities that AREV is positioned to take advantage of in the life science sector. Our SAB represents a range of expertise that is maturing significant advances in the development of new therapeutics for infectious disease and human nutrition”* said Mike Withrow, CEO of AREV Life Sciences. *“AREV congratulates Dr. Van Breeman and his team and looks forward to further collaborations”.*

The study demonstrates cannabigerolic acid, or CBGA, and cannabidiolic acid, CBDA bind to the SARS-CoV-2 spike protein, blocking a critical step in the process the virus uses to infect people in both the alpha and beta variant of the virus which was via a mass spectrometry-based screening technique invented in Van Breeman’s laboratory. Lab tests showed that cannabigerolic acid and cannabidiolic acid prevented infection of human epithelial cells by the coronavirus spike protein and prevented entry of SARS-CoV-2 into cells.

*“Acids from hemp, could be used to prevent SARS-CoV-2 infection and also to shorten infections by preventing virus particles from infecting human cells* said Dr. Van Breeman. *“The two cannabinoids with the highest affinities for the spike protein were CBDA and CGBA, and they were confirmed to block infection”.* Cell entry inhibitors, like the acids from hemp, could be used to prevent SARS-CoV-2 infection and also to shorten infections by preventing virus particles from infecting human cells. They bind to the spike proteins so those proteins can’t bind to the ACE2 enzyme, which is abundant on the outer membrane of endothelial cells.

Roscoe Moore DVM, MPH, PhD Board Member of the Global Virus Network at the Institute of Human Virology, University of Maryland School of Medicine and Member of the AREV SAB said *“This new investigation demonstrating the efficacy of cannabinoids to arrest CoVid-19 replication has implications for the development of much needed clinical options for addressing the pandemic. Further research by a number of institutions involved in federally sponsored research networks are positioned to further advance this discovery to clinical stages of investigation”.*

Further to the Nov 30 2021 acquisition of Wright and Well Essentials Inc., Arev has identified a licensed producer also in Oregon and entered into a Term Sheet with CBD99 Inc. CBD99 is a large scale, low cost processor of CBD, CBG, CBN, Delta 8, and Delta 9 THC and supplier of Proprietary Extraction technologies. The company has a patent portfolio of Remediation, Extraction, Cannabinoid conversion and separation methods. The successful completion of the target acquisition puts Arev in the position of a low cost producer with access to biomass to produce the Cannabinoid ingredients for use in its Sea Cucumber, CBDa and CBGa formulations. (an anti-inflammatory product) and Hops, CBDa and CBGa (a sleep aid product).

The non-binding term sheet with Aibeida Lifetech Limited (“Aibeida”), a Hong Kong company and its wholly owned subsidiary CBD99 Inc, an Oregon company and certain affiliates. The Company is currently working on the valuation prior to taking the next steps towards a definitive agreement. The acquisition is contemplated to be a mixture of cash through a convertible debenture and equity.

About the Linus Pauling Institute at OSU- The Linus Pauling Institute is a research institute located at the Oregon State University with a focus on health maintenance. The mission statement of the institute is to determine the functional roles of micronutrients and phytochemicals in promoting optimal health and to treat or prevent human disease, and to determine the role of oxidative stress and inflammation in health and disease. There are several major areas of research occurring at the institute, focused on many vitamins, minerals and other compounds found in the diet.

About the OSU College of Pharmacy: The OSU College of Pharmacy prepares students to be pharmacy practitioners and pharmaceutical sciences researchers and emphasizes their continued contributions to improved health, advancing patient care and the discovery of medicines.

*About the Journal of Natural Products:* Established in 1938 The *Journal of Natural Products* is a monthly peer-reviewed scientific journal covering all aspects of research on the chemistry and/or biochemistry of naturally occurring compounds. It is co-published by the American Society of Pharmacognosy and the American Chemical Society.

Further, the Company is pleased to announce that the Company has issued 200,000 stock options to Directors, Officers and Consultants of the Company at a price of \$0.33 for a period of 5 years from the issuance dated. These options will vest immediately.

For further information, contact Mike Withrow, arevlifesciences@gmail.com 778-929-6536. For more information visit [www.arevlifesciences.com](http://www.arevlifesciences.com).

On behalf of the Board,

Mike Withrow  
CEO & Director

#### **About AREV Life Sciences Global Corp.**

AREV is an early-stage life science discovery enterprise dedicated to delivering solutions to public health through discovery, collaborations in the life science industry, and pathogen remediation. AREV is invested in commercial innovations in phytomedicinal discoveries of small molecule antivirals and for related neglected chronic co-morbidities and innovations human nutrition including the late-stage development of a Ready-to-Use Therapeutic Food (RUTF) for Severe Acute Malnutrition (SAM) and an Enteral Formula targeting the long-term effects of chronic infection. AREV is dedicated to designing and delivering innovation in rational drug design, driven by presenting global epidemiological characteristics of multiple challenges to international human and animal health. AREV is a member of both BIOTCanada and The Biotechnology Innovation Organization (BIO).

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#### **FORWARD LOOKING INFORMATION**

Neither the Canadian Securities Exchange nor its Regulation Services Provider (as that term is defined in policies of the CSE) accepts responsibility for the adequacy or accuracy of this release. This news release may include forward-looking statements that are subject to risks and uncertainties. All statements within, other than statements of historical fact, are to be considered forward looking. Although the Company believes the expectations expressed in such forward looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in forward-looking statements. Factors that could cause actual results to differ materially from those in forward-looking statements include market prices, exploitation and exploration successes, and continued availability of capital and financing, and general economic, market or business conditions. There can be no assurances that such statements will prove accurate and, therefore, readers are advised to rely on their own evaluation of such uncertainties. We do not assume any obligation to update any forward-looking statements except as required under the applicable laws. This press release contains forward-looking statements. The use of any of the words "anticipate", "continue", "estimate", "expect", "may", "will", "project", "should", "believe" and similar expressions are intended to identify forward-looking statements. Although the Company believes that the expectations and assumptions on which the forward-looking statements are based are reasonable, undue reliance should not be placed on the forward-looking statements because the Company can give no assurance that they will prove to be correct. Since forward-looking statements address future events and conditions, by their very nature they involve inherent risks and uncertainties. These statements speak only as of the date of this press release. Actual results could differ materially from those currently anticipated due to a number of factors and risks various risk factors discussed in the Company's Management's Discussion and Analysis under the Company's profile on [www.sedar.com](http://www.sedar.com).