



AV-001: Co-development product by Vasomune Therapeutics and AnGes

-Vasomune is Pleased to Announce the Government of Canada's Investment in AV-001 Targeting COVID-19-

March 17, 2021 – Vasomune is very pleased to announce that the company has received a substantial investment on behalf of the Government of Canada through the National Research Council (NRC) for Vasomune's continued development of AV-001, the company's lead candidate drug targeting COVID-19.

Through this investment, Vasomune, as a Canadian clinical-stage biopharmaceutical company based in downtown Toronto, will continue on with its clinical trial program evaluating AV-001 treatment in patients with severe-to-moderate COVID-19 disease.

The Government of Canada's recognition of the merit of AV-001 during the COVID-19 pandemic is highly valued and will facilitate the further development of what could be a mainstay of COVID-19 treatment for Canadians as well as patients around the world in the future.

Read more <https://www.canada.ca/en/innovation-science-economic-development/news/2021/03/major-investments-in-domestic-firms-to-rebuild-canadas-biomanufacturing-sector.html>

About AV-001

AV-001 is a novel investigational medicine that targets the Tie2 receptor, a transmembrane protein target most highly expressed on the surface of endothelial cells in the vasculature. AV-001 activates the Tie2-Angiopoietin pathway and restores normal vascular function and endothelial stability. Vascular dysfunction contributes to the underlying disease pathophysiology in patients with COVID-19 and acute respiratory distress syndrome (ARDS), especially in patients with preexisting vascular comorbidities, such as hypertension, diabetes and obesity. Emerging evidence suggests SARS-CoV-2 infects pulmonary endothelial cells and causes microvascular leaks, contributing to the initiation and propagation of respiratory distress and ARDS in COVID-19 patients by altering blood vessel barrier integrity, promoting a coagulated state, inducing vascular inflammation (endotheliitis) and mediating inflammatory cell migration. In preclinical studies involving a lethal RNA virus infection animal model of influenza/ARDS, AV-001 has been shown to stabilize the vasculature by enhancing endothelial cell stability, restoring normal barrier defense and blocking vascular leak. Importantly, AV-001 monotherapy significantly improved survival and lung function compared to untreated controls and showed the benefit of enhanced recovery in combination with antiviral therapy. AV-001 is being developed for the treatment of moderate to-severe COVID-19 and ARDS.

About Vasomune Therapeutics, Inc.

Vasomune Therapeutics, Inc. is a private clinical-stage biopharmaceutical company developing the next generation of medicines to harness the body's ability to defend against illness. Originally founded in 2006, Vasomune discovers and develops drugs using a novel

therapeutic approach focused on vascular normalization strategies. Vascular dysfunction is associated with the pathology of several disease states, including COVID-19, influenza-associated ARDS, acute lung injury, acute kidney injury, hemorrhagic shock, sepsis and stroke. Vasomune's corporate headquarters and laboratory is located in Toronto, Canada with US offices in San Mateo, CA. For more information about the company and its product candidates, please visit www.vasomune.com

About AnGes, Inc.

AnGes, Inc. is a biopharmaceutical company founded in December 1999 based on innovative discoveries by researchers at Osaka University and focuses on the development of gene-based medicines. Regarding AnGes, Inc.'s lead product, Collategene® (HGF plasmid gene therapy) for the treatment of critical limb ischemia, the company obtained conditional and time-limited approval in March 2019 and its commercialization started in September 2019 in Japan. Collategene® is the world's first marketed drug using plasmid DNA. Development of NF-κB decoy oligonucleotide for diseases, including lower back pain, and DNA vaccines for hypertension is also underway. Furthermore, AnGes, Inc. began co-development of a DNA vaccine for COVID-19 in Japan with Osaka University starting in March 2020. The DNA vaccine for COVID-19 utilizes proprietary plasmid DNA technology. For more information, visit <https://www.anges.co.jp/en/>