Recipharm signs agreement with Arcturus Therapeutics to support the manufacture of LUNAR®-COV19 (ARCT-021) vaccine candidate

October 6, 2020

Recipharm, a leading contract development and manufacturing organisation (CDMO) has entered into an agreement with Arcturus Therapeutics, a leading U.S. based clinical-stage messenger RNA medicines company focused on the development of infectious disease vaccines and significant opportunities within liver and respiratory rare diseases. Arcturus has secured manufacturing slots with Recipharm to support the manufacture of ARCT-021, Arcturus' COVID-19 vaccine candidate that is in an ongoing phase 1/2 clinical trial.

Commenting on the partnership, Thomas Eldered, CEO of Recipharm said: "We're delighted to be able to support Arcturus Therapeutics on such an important project."

"Our experience in managing the complexity of biologic projects means that we are ideally placed to support from early phase discovery all the way through to successful commercialisation. We're looking forward to working together and using our development and manufacturing expertise to continue to progress the project."

The companies are working together to secure commercial manufacturing production for 2021 and the future.

Pad Chivukula, Ph.D., CSO & COO of Arcturus Therapeutics stated: "We're looking forward to working closely with Recipharm in order to advance our objectives toward distribution of ARCT-021 broadly and playing an important role in global immunization to protect against COVID-19."

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About Recipharm
Recipharm is a leading Contract Development and Manufacturing Organisation (CDMO) in the pharmaceutical industry employing almost 9,000 employees. Recipharm offers manufacturing services of pharmaceuticals in various dosage forms, production of clinical trial material and APIs, pharmaceutical product development and development and manufacturing of medical devices. Recipharm manufactures several hundred different products to customers ranging from big pharma to smaller research and development companies. Recipharm's annual turnover is approximately SEK 11 billion. The company operates development and manufacturing facilities in France, Germany, India, Israel, Italy, Portugal, Spain, Sweden, the UK and the US and is headquartered in Stockholm, Sweden. The Recipharm B-share (RECI B) is listed on Nasdaq Stockholm.

For more information on Recipharm and our services, please visit www.recipharm.com

About Arcturus Therapeutics
Founded in 2013 and based in San Diego, California, Arcturus Therapeutics Holdings Inc. (Nasdaq: ARCT) is a clinical-stage mRNA medicines and vaccines company with enabling technologies: (i) LUNAR® lipid-mediated delivery, (ii) STARR™ mRNA Technology and (iii) mRNA drug substance along with drug product manufacturing expertise. Arcturus' diverse pipeline of RNA therapeutic and vaccine candidates includes self-replicating mRNA vaccine programs for SARS-CoV-2 (COVID-19) and Influenza, and other programs to potentially treat Ornithine Transcarbamylase (OTC) Deficiency, Cystic Fibrosis, Cardiovascular Disease along with partnered programs including Glycogen Storage Disease Type 3, Hepatitis B Virus, and non-alcoholic steatohepatitis (NASH). Arcturus' versatile RNA therapeutics platforms can be applied toward multiple types of nucleic acid medicines including messenger RNA, small interfering RNA, replicon RNA, antisense RNA, microRNA, DNA, and gene editing therapeutics. Arcturus' technologies are covered by its extensive patent portfolio (198 patents and patent applications, issued in the U.S., Europe, Japan, China and other countries). Arcturus' commitment to the development of novel RNA therapeutics has led to collaborations with Janssen Pharmaceuticals, Inc., part of the Janssen Pharmaceutical Companies of Johnson & Johnson, Ultragenyx Pharmaceutical, Inc., Takeda Pharmaceutical Company Limited, CureVac AG, Synthetic Genomics Inc., Duke-NUS, and the Cystic Fibrosis Foundation.
For more information visit www.ArcturusRx.com. In addition, please connect with us on Twitter and LinkedIn.

Arcturus Forward Looking Statements
This press release contains forward-looking statements that involve substantial risks and uncertainties for purposes of the safe harbor provided by the

Private Securities Litigation Reform Act of 1995. Any statements, other than statements of historical fact included in this press release, including those regarding Arcturus' efforts to develop and distribute a vaccine against COVID-19 are forward-looking statements. Arcturus may not actually achieve the plans, carry out the intentions or meet the expectations or projections disclosed in any forward-looking statements such as the foregoing and you should not place undue reliance on such forward-looking statements. Such statements are based on management's current expectations and involve risks and uncertainties, including those discussed under the heading "Risk Factors" in Arcturus' Annual Report on Form 10-K for the fiscal year ended December 31, 2019, filed with the SEC on March 16, 2020 and in subsequent filings with, or submissions to, the SEC. No assurances can be given that a vaccine can or will ever be developed or approved using Arcturus' technology. Except as otherwise required by law, Arcturus disclaims any intention or obligation to update or revise any forward-looking statements, which speak only as of the date they were made, whether as a result of new information, future events or circumstances or otherwise.