



## **Curia and Replicate Bioscience Enter Strategic Collaboration to Create Groundbreaking Development Platform for Self-Replicating RNA (srRNA)**

ALBANY, NY, June 9, 2022/BUSINESSWIRE/ – Curia, formerly AMRI, a leading contract research, development and manufacturing organization, and Replicate Bioscience, a company pioneering ways to prevent drug resistance in cancer and to treat autoimmune and inflammatory disorders and other diseases using self-replicating RNA (srRNA), today announced that they will collaborate on a robust development platform for Replicate’s srRNA therapeutics. The strategic collaboration unites two RNA therapeutics industry leaders.

As part of the collaboration, Curia’s experienced process development team will support the GMP production of Replicate Bioscience’s srRNA vectors up to eight-liter scale (8L), which can be used in Phase 1 through pivotal clinical trials. Curia’s global mRNA development and manufacturing facility is ISO-13485 certified and located near Boston, Massachusetts. This facility also supports innovators engaged in vaccine and other mRNA therapy development and manufacture through Phase 2 and 3, including GMP assays. Additional Curia facilities support manufacture of srRNA through commercial production scales.

“Replicate’s approach to srRNA is unique, in that we create our own virally-derived synthetic vectors to customize srRNAs to deliver specific proteins,” said Replicate Co-founder and Chief Development Officer Andrew Geall, Ph.D., who previously has set up srRNA CMC frameworks for companies including Novartis, Synthetic Genomics, and Precision Nanosystems. “This customization has important therapeutic advantages—versatility of application, lower dosing, and longer duration of therapeutic effect compared to other RNA modalities—but requires built-for-purpose processes to solve the challenges of manufacturing longer RNAs. Curia’s unprecedented expertise in process development and end-to-end integration of longer RNAs makes them a perfect partner for us as we transition from research into clinical development and the production of our srRNA for trials in patients.”

“The manufacture of these longer mRNAs is more technically challenging than non-replicating mRNAs and to date we have succeeded with mRNAs up to 16,000 bases,” said Norman Garceau, Ph.D., Vice President, Global R&D Technology, Curia. “Curia’s platform offers versatility and streamlined manufacturing times that can handle such complex molecules. Our collaboration with Replicate Bioscience is enabling us to create entirely new methods of manufacturing longer RNAs. We have built our platform from the ground up, using our combined experience in biologics and chemistry to create end-to-end solutions covering mRNA synthesis, lipid synthesis, formulation, and liquid nanoparticle fill-finish. We are proud to apply our capabilities and expertise to support the Replicate Bioscience team and its innovative approach.”



### **About Curia**

Curia, formerly AMRI, is a leading contract research, development and manufacturing organization providing products and services from R&D through commercial manufacturing to pharmaceutical and biopharmaceutical customers. Curia's 3,700 employees at 29 locations across the U.S., Europe and Asia help its customers advance from curiosity to cure. Learn more at [CuriaGlobal.com](http://CuriaGlobal.com).

### **About Replicate Bioscience**

Replicate Bioscience, an ATP company, is designing and delivering srRNA immunotherapies to revolutionize the practice of medicine and improve and save lives. Replicate applies advanced srRNA technology in its work to prevent drug resistance in cancers. The company is also developing srRNA injections for sustained therapeutic protein expression to treat autoimmune and inflammatory disorders and other conditions. Replicate believes that srRNA will bring about the next big breakthroughs in RNA therapeutics and is working to realize the promise of srRNA for all patients. For more information, visit [www.replicatebioscience.com](http://www.replicatebioscience.com).

### **Contacts**

Curia Corporate Contact:

Sue Zaranek

Curia

+1 518 512 2111

[corporatecommunications@CuriaGlobal.com](mailto:corporatecommunications@CuriaGlobal.com)

Curia Media Contact:

Chris Anderson

Brandwidth Solutions LLC

+1 207 232 7007

[canderson@brandwidthsolutions.com](mailto:canderson@brandwidthsolutions.com)

Replicate Bioscience Media Contact:

Sally Jacob

ATP (Apple Tree Partners)

+1 212 468 5800

[sjacob@appletreepartners.com](mailto:sjacob@appletreepartners.com)