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Readily3D Collaborates on European Eurostars E16780 - PREPPER Project to Build Personalized Arterial Grafts with 3D Printing

Lausanne, Switzerland - April 2025

Readily3D has joined the European research project PREPPER (PRECision Printed PERSONalized Tissue Therapies), an international collaboration aimed at developing a new generation of personalized vascular implants using advanced biofabrication technologies.

Co-funded by the European Union's Horizon Europe framework and supported through the Eurostars program, PREPPER brings together leading biotech and clinical partners from Sweden and Switzerland to create arterial grafts tailored to individual patients.

These next-generation implants are designed to address the limitations of current synthetic grafts, such as poor biological integration and high failure rates, by closely replicating the structure and function of native arteries. The project aims to pave the way for first-in-human clinical trials and introduce new solutions in regenerative medicine and vascular surgery.

As the Swiss partner, Readily3D contributes its proprietary tomographic volumetric bioprinting printer technology, which enables for the rapid fabrication of entire, perfusable tissue volumes in seconds using its flagship printer, the Tomolite. This innovative process is ideally suited for reproducing complex, biologically relevant vascular geometries with exceptional speed and cell viability.

The PREPPER consortium is led by VERIGRAFT AB (Sweden) and includes the RISE Research Institutes of Sweden and Sahlgrenska University Hospital. The project runs through December 2026.

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About Readily3D

Based in Lausanne, Switzerland, Readily3D is a biotech company specialized in tomographic volumetric 3D bioprinting. Its flagship product, the Tomolite, enables real-time, contactless printing of entire 3D cell-laden structures. This technology provides unprecedented speed, precision, and viability, unlocking new possibilities in tissue engineering, drug development, and regenerative medicine. Readily3D collaborates with leading academic and industry partners to bring cutting-edge bioprinting solutions to market.

For more information, visit: www.readily3d.com

