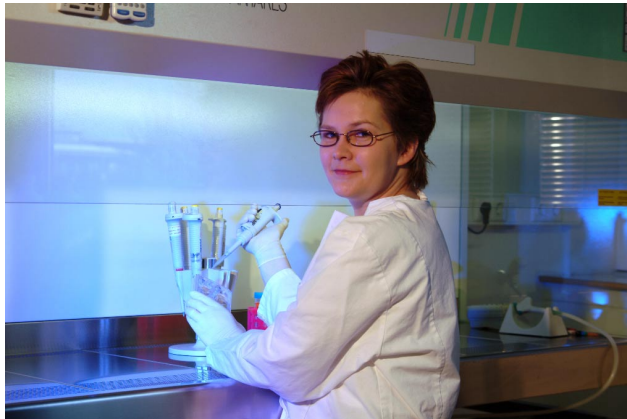


Cardiovascular technology serves as an important driver for new medical technologies in general. As researchers and entrepreneurs develop new device treatments for heart disease, their innovations are then translated to other diseases. Innovations, as you may find them in the **Meuse Rhine Triangle**, the heartbeat of Life Sciences in Europe.



« The high concentration of medical products companies in this dynamic cross border region enables us to provide a high standard of customer care. »

Ute Müller,
CEO of bmp, Aachen (www.bmp-aachen.de)

A cluster of 300 innovative companies in medical technology & biotechnology

- 5 top universities and 3 academic hospitals
- Core competences: biotechnology, cardiovascular research and therapies, and biomaterials
- An unrivalled concentration of 130 world-class research centres
- 17,000 life sciences students & 11,000 university employees

www.heartbeatineurope.org

Contact

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**Cardiovascular
Research & Therapy**

Looking for contact to R&D facilities?

- In 1988, the Maastricht research efforts were concentrated in the **Cardiovascular Research Institute Maastricht (CARIM)**. Three main areas of research can be distinguished within the institute: research focusing on thrombosis and haemostasis, research on the functioning of the cardiac muscle under normal and abnormal circumstances, adaptation of cardiac muscle and on the possibilities for detecting and treating high risk cardiac patients, research focusing on vascular biology of large and small vessels. All three themes of research involve fundamental as well as clinical studies. The institute has expertise in a wide range of areas, ranging from molecular biology to population-based studies. Its goal is to focus on clinically important questions, integrating knowledge from molecule to patient. (www.carim.unimaas.nl)

- **Philips** has since many years a research facility in Aachen, which is part of Philips Corporate Research and employs about 270 researchers and technical experts. The main focus is on medical electronics. For the field of cardiovascular diseases, ever better X-ray and nuclear imaging systems are being developed, including novel detector technology. The laboratory is also pioneering the field of measuring vital body signs of patients at home and away and enabling patients to be easily connected to their doctor (telemedicine). (www.philips.de)

- **Medtronic Inc.** has a well-known facility in the cross-border region of the Netherlands: The Bakken Research Center (Maastricht) employs about 160 scientists, researchers and technical experts, who work in close cooperation with medical specialists to develop new therapies. (www.medtronic.com)

Or interested in contact to companies?

- **ADIAM life science AG** has become a pioneer for innovative cardiovascular long-term implants. ADIAM is leading with a new generation of specific biomechanical heart valve prostheses which have been specifically adapted to the natural model. (www.adiam.de)

- **ALARIS Medical Systems Inc.** develops and markets products for the safe delivery of intravenous medications. ALARIS, founded in San Diego, has one of its European subsidiaries in Baesweiler near Aachen. (www.alarismed.com)

- **Fortimedix** offers contract product development and manufacturing and production equipment in the specific field of endovascular stents. The company has access to over 50 years of valuable experience in the specific field of minimal invasive healthcare. (www.fortimedix.com)

- **Impella Cardiosystems AG** manufactures and markets intracorporal micro blood pumps for use in coronary surgery and cardiology. The company was added to the list of the world's 40 leading technology

pioneers in 2003 by the Davos World Economic Forum. (www.impella.com)

- **Hemoteq GmbH** is a designer and manufacturer of ultra-thin coatings. The development of Hemoteq's proprietary Camouflage® coating system has led to a biomimicry concept for creating hemocompatible device surfaces. (www.hemoteq.de)

- **VitaK** is a research-oriented company associated with the University of Maastricht that focuses on bone and cardiovascular health. VitaK is currently looking for partners to market their IPR. The company offers new diagnostics for cardiovascular disease and vitamin formulations counteracting cardiovascular disease. (C.Vermeer@bioch.unimaas.nl)

- **Vygon GmbH & Co.KG** produces sterile plastic one-way products for cardiology, surgery, anaesthesiology and many other medical disciplines. (www.vygon.de)

- and others:

- **Dyax**, Liège, www.dyax.com
- **Bisping Medizintechnik GmbH**, Aachen, www.bispingmed.com
- **Bytec Medizintechnik GmbH**, Aachen, www.bytec-gmbh.de
- **Mecora Medizintechnik GmbH**, Aachen, www.mecora.com
- **MEDOS Medizintechnik AG**, Stolberg, www.medos-ag.de
- **Probiox S.A.**, Liège, www.probiox.com