Our Team

Dr. MARTIN HAJNSEK studied chemistry at the Graz University of Technology and obtained his PhD in 2010. From 2000 to 2010 he was project manager in the R&D Department of Roche Diagnostics GmbH in Graz, Austria and was responsible for the sensor and device development for point of care diagnostic products. In 2010, he joined JR, where he leads the research group "Medical Sensors". Currently, his main interest is the development of single use test-strips based on electrochemical sensors for the Home Use segment in Point of Care testing.

Dr. MARKUS RUMPLER worked as a physical design engineer at NXP Semiconductors Austria GmbH in Gratkorn, Austria from 2002 to 2008. From 2006 to 2012 he studied at the Graz University of Technology and obtained his Master in Biomedical Engineering. In 2012, he joined JR, as a research scientist in the "Medical Sensors" group. He takes responsibility for sensor design, system integration and setup of test equipment for the sensor performance assessment.

Main contact in the project:

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Additive Manufacturing of 3D Microfluidic MEMS for Lab-on-a-Chip applications.

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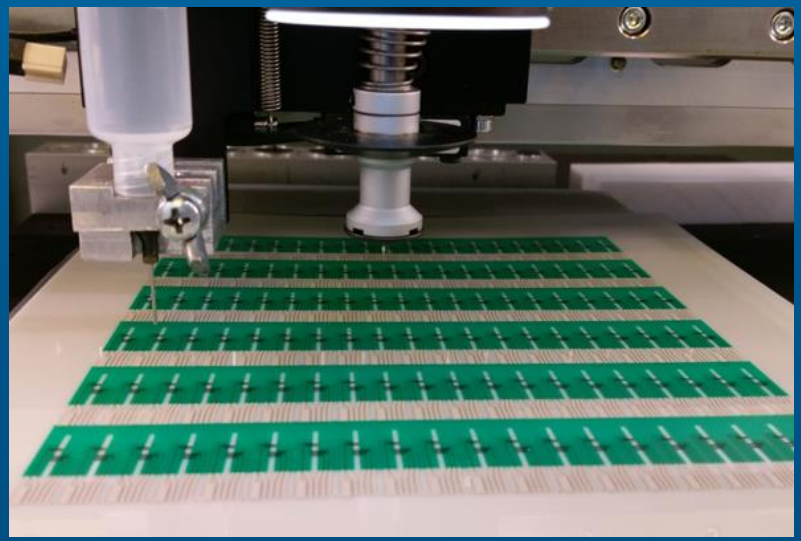
Who we are

HEALTH - Institute for Biomedicine and Health Sciences – provides a link between basic medical research and industrial application. By forming strategic partnerships with both regional and international partners in the scientific and industrial sectors, HEALTH develops comprehensive, interdisciplinary solutions to challenges encountered in the fields of medicine, pharmacy, medical technology and health care research.

The “Medical Sensors” group develops and evaluates medical diagnostic solutions based on electrochemical sensor technology from the idea to the prototype for clinical testing.Together with our strategic partner, the Medical University of Graz, we are developing new medical pathways to support physicians and patients in the prevention and diagnosis of diseases and the continuous monitoring of chronic diseases

The Medical Sensors expert group develops home monitoring systems for long-term patients, point-of-care concepts for faster and more efficient diagnoses and brings modern medical laboratory analysis closer to the patient.



Our product & services

HEALTH offers applied research with the highest level of academic excellence. Following strategic objectives, HEALTH is active not only in applied research, but also in selected areas of basic research. We ensure a steady improvement in scientific excellence through our involvement in carefully selected basic research projects. Basic research projects are only carried out in cooperation with well-renowned researchers and results are regularly published in top journals.

Our scientific expertise in the fields of medicine, pharmaceutical sciences, bio-technology and health economics is grouped into the following customer-oriented research areas

- Pharmacokinetics | Pharmacodynamics | Bioequivalence
- Bioanalysis and Pharmaceutical analysis
- Metabolomics
- Medical Sensors
- Clinical Decision Support