Our Research

The scientists within the Profile Area are investigating the interaction between tumour cells, inflammatory, and stromal cells in order to develop new strategies for cancer diagnosis and therapy and to improve established methods of treatment, such as chemotherapy and radiotherapy.

Precision medicine promises the greatest progress in cancer therapy as it allows for a systematic and targeted treatment of individual molecular features of the tumour and thus enables a tailor-made therapy for each patient:

- The results of the SORMAIN Study are leading to changes in therapy worldwide.
- The MIRACUM Project allows for personalised therapies through the use of using big data.

Our Key Questions

- What is role of the interaction of tumour cells and their environment in the course of an illness?
- What influence does our lifestyle have on the development of cancer?
- Which new approaches to diagnosis and therapy in precision medicine can cure cancer?
PROFILE AREA

TUMOUR RESEARCH AND IMMUNOLOGY

Current Research Projects

- DFG CRC 81 Chromatin Changes in Differentiation and Malignancies
- DFG KFOR 325 Clinical Relevance of Tumour-Stroma Interactions in Pancreatic Carcinoma
- Project MIRACUM for the Usage of Big Data Gained from Research and Medical Care, funded by the Federal Ministry of Education and Research
- DFG IRTG 1871 Molecular Pathogenesis of Male Reproductive Disorders
- German Cancer Aid EuroNet-PHL-C2 Study

Research Infrastructures

At Justus Liebig University Giessen

- Biomedical Research Center Seltersberg (BFS)
- Science Unit for Basic and Clinical Medicine (ForMED)
- Medical Science Tower (Science Tower)

At Philipps-Universität Marburg

- Anneliese Pohl Krebszentrum Marburg – Comprehensive Cancer Center (CCC)
- Institute of Molecular Biology and Tumor Research (IMT)
- José Carreras Leukaemia Centre
- Coordinating Centre for Clinical Studies
- Center for Tumor Biology and Immunology (ZTI)

Research Environment and Cooperation Partners

- German Centre for Lung Research (DZL)
- Universities of Giessen and Marburg Lung Centre (UGMLC)
- Max Planck Institute for Heart and Lung Research, Bad Nauheim

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More Information

fcmh.de/tumour

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