

FORSCHUNGSCAMPUS MITTELHESSEN



CAMPUS RESEARCH FOCUS LUNG AND HEART MEDICINE

Lung and heart diseases are amongst the most frequent causes of death, in both Germany, and throughout the world. These diseases represent an enormous drain on the financial resources of the Health System. To date, the available therapies for most respiratory and heart diseases only relieve disease symptoms, but do not cure the disease itself. It is here that scientists from the Research Campus Focus “Lung and Heart Medicine” come into play, investigating the causes and mechanisms of disease in order to develop new approaches for prevention, diagnosis and therapy. Lung and heart research ranks as one of the most prominent national and international research foci in the research region of central Hessen.

Scientists at the Campus Research Focus, as well as the Max Planck Institute for Heart and Lung Research in Bad Nauheim, together with the University Hospital jointly run by the universities in Marburg and Giessen (UKGM GmbH) pool their expertise at the Research Campus of central Hessen not only to achieve a better understanding of the heart and lung systems, but also to fulfil their common mission of “translational research to combat widespread lung diseases”. For this purpose, expertise already gained in fundamental, disease and patient-oriented research in the field of heart and lung diseases is being intensified at a leading international level and is being integrated into new clinical concepts to improve patient care.

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CURRENT RESEARCH PROJECTS

- Cluster of Excellence 147 Cardiopulmonary System (ECCPS)
- DFG CRC 1213 Pulmonary Hypertension and Cor Pulmonale
- DFG CRC 84 Innate Immunity of the Lung: Mechanisms of Pathogen Attack and Host Defence in Pneumonia
- LOEWE Research Cluster Medical RNomics. RNA-regulated Networks in Human Diseases

RESEARCH INFRASTRUCTURE

- German Centre for Lung Research (DZL); Justus Liebig University Giessen and Philipps-Universität Marburg
association of 24 leading German research institutions to fight pulmonary disease through translational research
- Interdisciplinary Biomedical Research Centre Seltersberg (BFS); Justus Liebig University Giessen
- Interdisciplinary Biomedical Research Centre (BMFZ); Philipps-Universität Marburg
- Centre for Tumor and Inflammation (ZTI); Philipps-Universität Marburg
- Centre for Infection and Genomics of the Lung (CIGL); Justus Liebig University Giessen; anticipated completion in 2018

RESEARCH ENVIRONMENT

- German Centre for Cardiovascular Research (DZHK)
- German Centre for Infection Research (DZIF)
- Max Planck Institute for Heart and Lung Research Bad Nauheim

CONTACT

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