

## CAMPUS RESEARCH FOCUS LUNG AND HEART

### Our Research

Scientists at the Research Campus Focus "Lung and Heart" are addressing lung and heart diseases, such as coronary heart diseases, chronically obstructive lung diseases and pneumonia, which are amongst the most frequent causes of death throughout the world.

Up until now, available therapies for most respiratory and heart diseases only relieve the symptoms but do not cure the disease itself. For the first time, an effective therapy to cure pulmonary hypertension has been developed by scientists at the Research Campus Focus.

The goal is to achieve better understanding of the heart and lung system and to put into practise translational research to combat widespread heart and lung diseases. Researchers employ approaches of systems medicine and medical informatics and also integrate artificial intelligence.

### Our Key Questions

- How can we fight heart and lung diseases effectively?
- How can we diagnose rare respiratory and heart diseases faster and more accurately?
- How can we make heart and lung repair processes even more reliable?

### FCMH Partners



### Contact

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# CAMPUS RESEARCH FOCUS

## LUNG AND HEART

### 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

### Research Infrastructures

- 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

### Research Environment and Cooperation Partners

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

### Contact Persons

#### Justus Liebig University Giessen

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### More Information



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