

LOEWE Research Cluster **LiFF**

Lipid Signalling Research Centre, Frankfurt



Understanding lipid-dependent signalling networks – for new therapeutics

Lipids (fats) are not only important energy stores and structural elements in cell membranes; they also play a key role in the transmission of signals between cells, thus regulating elementary cellular processes. Disruption to the transmission of signals leads to diseases such as diabetes, arteriosclerosis, inflammations and pain or even tumour diseases. LiFF is confident that a better understanding of the molecular processes in lipid-dependent signalling networks will lead to new methods of identifying biomarkers for diagnostics as well as the development of new therapeutics. Since October 2013 LiFF has continued to operate as the DFG's Collaborative Research Centre 1039 "Signalling by fatty acid derivatives and sphingolipids in health and disease".

COORDINATORS

Coordinator LOEWE:
Prof. Dr. Dr. Gerd Geisslinger,
Goethe University, Frankfurt am Main
Coordinator DFG:
Prof. Dr. J. Pfeilschifter,
Goethe University, Frankfurt am Main

PARTNERS

Goethe University, Frankfurt am Main
Max Planck Institute for Heart and Lung
Research, Bad Nauheim

LOCATIONS

Frankfurt am Main
Bad Nauheim

SUBJECT AREAS

Inflammation, Molecular biology,
Pharmaceutical chemistry,
Biochemistry, Pharmacology,
Clinical pharmacology,
Molecular medicine, Physiology,
Analytics

FUNDING PERIOD

LOEWE: 2008 to 2011
DFG: 2013 to 2017

COORDINATION OFFICE

Dr. Torsten Arndt
Phone +49 69 6301-87159
t.arndt@zafes.de

INTERNET

www.lipidsignalling.de

LOEWE and ProLOEWE

Since 2008 the German federal state of Hessen has been promoting outstanding research initiatives through its own excellence programme, LOEWE. To date, 11 LOEWE research centres and 35 LOEWE research clusters have been selected in a competitive process to receive funding.

ProLOEWE is the LOEWE research initiatives network: their common aim is to provide information about their activities, speed up access to their research and intensify their cooperation. The website www.proloewe.de/en provides an overview of the LOEWE research initiatives.