

LiFF: Lipid Signaling Forschungszentrum Frankfurt

The role of lipids in the body is not solely that of an energy reserve as they also act as important signaling molecules. An altered lipid signaling underlies various diseases, such as, atherosclerosis and diabetes as well as inflammation and pain. Therefore it follows that specific components of the underlying signaling pathways constitute promising drug targets. The Lipid Signaling Research Center Frankfurt (LiFF) combines the interdisciplinary expertise of the Goethe-University Frankfurt am Main and the Max Planck Institute for Heart and Lung Research in Bad Nauheim and aims to promote research in the field of lipid signaling in the Rhein-Main area and to generate a source of innovation for new drugs. Research is focussed on the three lipid groups sphingolipids, arachidonic acid metabolites, and endocannabinoids as well as on cardiovascular, oncological/immunological, and neurological diseases. The goal of the translational research approach employed by LiFF is to improve our understanding of lipid-dependent signaling networks at the molecular level and to use the findings for development of innovative diagnostic tools and therapeutics.

(www.liff-ffm.de)