Collaborations Within the DK

R. Zechner and R. Zimmermann

Exploiting the homologies between mouse and yeast systems; heterologous expression of mammalian genes in yeast

G. Daum

Yeast lipid biochemistry and molecular biology

R. Breinbauer

Development of probes for CARS microscopy to investigate enzyme-substrate interactions *in vivo*

R. Zimmermann and M. Oberer

Exploiting yeast as a host for heterologous expression of mammalian genes and protein-protein interaction studies

S. Schild, J. Reidl and E. Zechner

Microscopic investigation of biofilm formation, host-pathogen interactions

K.-U. Fröhlich and F. Madeo (non-DK; KFU Graz)

Lipotoxicity in yeast

Collaborating Research Groups Where PhD Students Could Perform Their Research Stay Abroad

Susan A. Henry

Cornell University, Ithaca, NY, USA: Transcriptome and lipid flux analysis in yeast.

Teresa Dunn

Uniformed Services University of the Health Sciences, Bethesda, MD, USA: Molecular analysis of sphingolipid metabolism.

Jeffrey Brodsky

University of Pittsburgh, PA, USA: ER-associated protein degradation and membrane homeostasis

David L. Silver

Duke-NUS, Singapore: characterization of FIT proteins involved in lipid homeostasis in yeast and mammals

Industrial Partners

Partnership with Leica Microsystems, Mannheim, DE on implementing high-end imaging techniques, especially CARS and second harmonic generation (SHG) imaging.