

Blockpraktika im LIED

| AG Schmidt Translational Research | AG Ludwig Model System of Inflammatory Skin | AG Ibrahim Genetics | AG Hundt Visualisation | AG Busch Systems Biology |
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| Enno Schmidt: Enno.schmidt@uksh.de Tel: 500-41516 | Ralf Ludwig Ralf.Ludwig@uksh.de Tel: 500-41686 | Saleh Ibrahim Saleh.Ibrahim@uksh.de Tel: 3101-8450 | Jennifer Hundt Jennifer.Hundt@uksh.de Tel.: 500-80810 | Hauke Busch hauke.busch@uni-luebeck.de Tel: 3101-8470 |
| Immuno-histochemistry | FACS techniques | Molecular genetic (DNA and RNA extraction, PCR, qPCR, SNP Genotyping) | Immunohistochemistry and Immunofluorescence stainings | High-Throughput Data analysis of genomic, transcriptomic, epigenomic and microbiome data |
| Protein analysis (Immunoblot, Western blot, 2D gel electrophoresis) | Serological analysis (ELISA) | Genome analysis (NGS sequencing) | Two-photon microscopy and optical coherence tomography | Modeling of high- and low- dimensional data |
| Indirect immunofluorescence | Immunofluorescence (direct and indirect) | Biostatistical and bioinformatic data analysis | Skin organ culture, cell culture, hair follicle culture | Biomarker development |
| Cell culture: Isolation of primary cells, culture of human and murine cell lines | Neutrophil isolation and activation | Mitochondrial functional assays | Neutrophil assays: isolation, migration, ROS release | Data visualization, tool development |
| Serological analysis (ELISA) | Ex vivo split formation | | PCR, ELISA, FACS | |
| ROS-Release Assay Cryosection Assay | | | | |