

## Veröffentlichung 2004-2020 mit HOKImag (Auswahl):

### Methodik (Protokolle)

- Fritsch et al., (2019) A toolbox for the immunomagnetic purification of signaling organelles. *Traffic*. Mar;20(3):246-258. doi: 10.1111/tra. 12631. Epub 2019 Jan 15.
- Schütze et al. (2014). Separation of magnetically isolated TNF-receptosomes from mitochondria. *Meth. Enzymol.* Vol. 535, Chapter 19, 327-349
- Steinhäuser et al. (2014). Immunomagnetic isolation of mycobacteria-containing phagosomes and apoptotic blebs from primary macrophages. *Curr. Protocols Immunol.* 105:14.36.1-14.36.26
- Steinhäuser et al. (2013). Lipid-labeling facilitates a novel magnetic isolation procedure to characterize of pathogen-containing phagosomes. *Traffic*, 14, 321-336
- Tchikov et al., (2010) Immunomagnetic isolation of subcellular compartments. *Meth. Microbiol.* 37, 21-34

### Anwendungen:

- Chang et al. (2020). Shigella hijacks the exocyst to cluster macropinosomes for efficient vacuolar escape. *PLoS Pathog.* 2020 Aug; 16(8): e1008822. Published online 2020 Aug 31. doi: 10.1371/journal.ppat.1008822
- Stévenin et al. (2020) Dynamic Growth and Shrinkage of the Salmonella-Containing Vacuole Determines the Intracellular Pathogen Niche. *Cell Rep.* 2019 Dec 17; 29(12): 3958–3973.
- Melum et al. (2019) Control of CD1d-restricted antigen presentation and inflammation by sphingomyelin. *Nature Immunol.* 2019 Dec;20(12):1644-1655
- Depke et al., (2015) A peptide resource for the analysis of Staphylococcus aureus in host pathogen interaction studies. *Proteomics* 2015, 15 (21): 3648-3661
- Edelmann et al. (2011). Caspase-8 and caspase-7 sequentially mediate proteolytic activation of acid sphingomyelinase in TNF-R1-receptosomes. *EMBO-J.* 30. 379-394

- Yazdanpanah et al. (2009) Riboflavin kinase couples TNF Receptor 1 to NADPH oxidase. **Nature** 460, 1159-1163
- Schütze et al. (2008) Regulation of TNF-R1 and CD95 signalling by receptor compartmentalization. **Nat. Rev. Mol. Cell Biol.** 9, 655-662
- Feig et al. (2007). Palmitoylation of CD95 facilitates formation of SDS-stable receptor aggregates that initiate apoptosis signaling. **EMBO J.** 26:221-231
- Lee et al. (2006) The role of receptor internalization in CD95 signaling. **EMBO-J.** 25:1009-1023
- Schneider-Brachert et al. (2006) Inhibition of TNF receptor 1 internalization by adenovirus 14.7K as a novel immune escape mechanism. **J. Clin. Invest.** 116: 2901-2913
- Heinrich et al. (2004) Cathepsin D links TNF-induced acid sphingomyelinase to Bid-mediated caspase-9 and caspase-3 activation. **Cell Death Differentiation** 11, 550-563
- Schneider-Brachert et al. (2004) Compartmentalization of TNF Receptor-1 Signaling: Internalized TNF Receptosomes as Death Signaling Vesicles. **Immunity** 21, 415-428
- 

## DISSERTATIONEN mit HOKImag

|                         |                                                                                                                                             |                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Matthias v. Garrell     | Immunomagnetic isolation of T-cell subpopulations – comparison between the free-flow chamber HOKImag and the Miltenyi Mini-Mac system       | Kiel, in Vorbereitung |
| Lena Hennig             | Immunomagnetic isolation and characterization of exosomes from tumor cells and human plasma using the free-flow magnetic chamber HOKImag    | Kiel, 2021            |
| Stefan Albrecht Schille | Complement Receptor 3 and its role in the interaction of primary human macrophages with apoptotic <i>Leishmania major</i> promastigotes     | Mainz, 2019           |
| Simon Görgen            | Identification of novel TAM receptor interacting proteins and screening for novel ligands                                                   | Bonn, 2018            |
| Meike Thomas            | Leishmania major promastigote entry of an autophagy-like compartment and amastigote escape from the parasitophorous vacuole                 | Mainz, 2015           |
| Kristin Surmann         | Proteomic characterization of host-pathogen interactions using human cell lines infected with <i>Staphylococcus aureus</i> HG001 as a model | Greifswald, 2014      |
| Susann Voigt            | Induction, execution and clinical relevance of TNF- and TRAIL-induced necroptosis                                                           | Kiel 2014             |
| Mario Stephan           | Molekularer Mechanismus der Fas Ligand-induzierten Aktivierung der sauren Sphingomyelinase                                                  | Kiel 2013             |
| Bärbel Edelmann         | Molecular mechanism of acid sphingomyelinase activation by tumor necrosis factor receptor 1                                                 | Kiel, 2011            |