JSMC Jena School for Microbial Communication
Graduate School of Excellence

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PhD Project: Infection-associated genes of *Candida glabrata*

Main Research Interests

- Interaction of *Candida glabrata* with human blood, neutrophils and macrophages
- Switch of *C. glabrata* from a commensal to a opportunistic pathogen
- Interaction of *Candida spp.* with human blood and immune cells

Methodological Experiences

- Protein biochemical methods (*e.g.* western blot, pull down, antibody purification)
- Molecular biology (*e.g.* PCR, RNA-isolation, site-directed mutagenesis)
- Cell culture (cell lines, yeast and bacterial cells)
- Fluorescence-microscopy

Curriculum Vitae

- since February 2013: JSMC Fellow
- 2007 - 2012: student of biochemistry at the Friedrich-Schiller-University Jena (degree: diploma)
- 2012: student assistant tutor for the practical course “molecular biology” at the Institute of Molecular Cell Biology, Center for Molecular Biomedicine, Friedrich-Schiller-University Jena
- 2010 - 2011: student research assistant at the Placenta Laboratory, Department of Obstetrics, University Hospital Jena

Publications

- Song S.P., Hennig A., Schubert K., Markwart R., Schmidt P., Prior I.A., Böhmer F.D., Rubio I. (2013): *Ras palmitoylation is necessary for N-Ras activation and signal propagation in growth factor signalling*. Biochem. J. Published as Immediate Publication 12 June 2013, doi:10.1042/BJ20121799
- Schmidt, P. (2012): *Characterizing the role of palmitoylation on the functional properties of Ras G-proteins.* Diploma Thesis; Institute of Molecular Cell Biology, Center for Molecular Biomedicine, Friedrich-Schiller-University Jena