

Curriculum Vitae

Personal information **Silvia Lommel**

Work experience

- Employer: BfArM
 - Start date: 112010
 - End date:
 - Position: clinical assessor
 - Activities:
 - Country: Germany
- Employer: University of Bonn
 - Start date: 082005
 - End date: 102010
 - Position: postdoctoral research associate
 - Activities:
 - Country: Germany
- Employer: Helmholtz Centre for infection research
 - Start date: 052002
 - End date: 072005
 - Position: postdoctoral research associate
 - Activities:
 - Country: Germany

Education and training

- Subject: University of Cologne / Artemis Pharmaceuticals GmbH, Cologne / Technische Universität Braunschweig
 - Start date: 111997
 - End date: 042002
 - Qualification: ISCED level 6 (Dr. rer. nat.)
 - Organisation:
 - Country: Germany
- Subject: University of Konstanz, Germany / University of Oregon, U.S.
 - Start date: 101990
 - End date: 091996
 - Qualification: ISCED level 5a (Diplom) Biology
 - Organisation:
 - Country: Germany

Additional information

Publications

Kesavan G, Lieven O, Mamidi A, Öhlin ZL, Johansson JK, Li WC, Lommel S, Greiner TU, Semb H. Cdc42/N-WASP signaling links actin dynamics to pancreatic β cell delamination and differentiation. *Development*. 2014 Feb;141(3):685-96. Jin F, Dong B, Georgiou J, Jiang Q, Zhang J, Bharioke A, Qiu F, Lommel S, Feltri ML, Wrabetz L, Roder JC, Eyer J, Chen X, Peterson AC, Siminovitch KA. (2011) N-WASP is required for Schwann cell cytoskeletal dynamics, normal myelin gene expression and peripheral nerve myelination. *Development* 138(7):1329-37. Lefever T, Pedersen E, Basse A, Paus R, Quondamatteo F, Stanley AC, Langbein L, Wu X, Wehland J, Lommel S, Brakebusch C. (2010) N-WASP is a novel regulator of hair_follicle cycling that controls anti_proliferative TGF β pathways. *J Cell Sci*. 123(Pt 1):128-40. Weiss SM, Ladwein M, Schmidt D, Ehinger J, Lommel S, Stading K, Beutling U, Disanza A, Frank R, Jansch L, Scita G, Gunzer F, Rottner K, Stradal TE. (2009) IRSp53 links the enterohemorrhagic E. coli effectors Tir and EspFU for actin pedestal formation. *Cell Host Microbe* 5(3):244-58. Lommel S*; Benesch S; Rohde M; Wehland J (2006) Pedestal formation by pathogenic E. coli: A model system for studying signal transduction to the actin cytoskeleton. In Celis, J.E. (ed.), *Cell Biology. A laboratory handbook*. Academic Press, Vol. 3. * Corresponding author Stamm LM, Pak MA, Morisaki JH, Snapper SB, Rottner K, Lommel S, Brown EJ (2005) Role of the WASP family proteins for Mycobacterium marinum actin tail formation. *Proc Natl Acad Sci USA* 102(41):14837-42. Stradal TEB, Lommel S, Wehland J, Rottner K (2004) Host _ Pathogen Interactions and Cell Motility: Learning from Bacteria. In Wedlich, D. (ed.), *Cell Migration in Development and Disease*. Wiley _ VCH, Weinheim, Chapter 12, ISBN: 3_527_30587_4 Rottner K, Lommel S, Wehland J, Stradal TE (2004) Pathogen_induced actin filament rearrangement in infectious diseases. *J Pathol*, 204, 396-406. Lommel S*, Benesch S, Rohde M, Wehland J, Rottner K (2004) Enterohaemorrhagic and enteropathogenic Escherichia coli use different mechanisms for actin pedestal formation that converge on N-WASP. *Cell Microbiol*, 6, 243-254. * Corresponding author Benesch S, Lommel S, Steffen A, Stradal TE, Scaplehorn N, Way M, Wehland J, Rottner K (2002) Phosphatidylinositol 4,5_biphosphate (PIP2)_induced vesicle movement depends on N-WASP and involves Nck, WIP, and Grb2. *J Biol Chem*, 277, 37771-37776. Lommel S (2002) Conditional Inactivation of N-WASP in the mouse. Analyses of N-WASP function. Dissertation, TU Braunschweig, Germany, <http://opus.tu-bs.de/opus/volltexte/2002/317/> Lommel S, Benesch S, Rottner K, Franz T, Wehland J, Kuhn R (2001) Actin pedestal formation by enteropathogenic Escherichia coli and intracellular motility of Shigella flexneri are abolished in N-WASP_defective cells. *EMBO Rep*, 2, 850-857. Lang DM**, Lommel S**, Jung M, Ankerhold R, Petrusch B, Laessing U, Wiechers MF, Plattner H, Stuermer CA (1998) Identification of reggie_1 and reggie_2 as plasmamembrane-associated proteins which cocluster with activated GPI_anchored cell adhesion molecules in non_caveolar micropatches in neurons. *J Neurobiol*, 37, 502-523. ** These authors contributed equally to this study Lommel S (1996) Identifizierung des neuronalen Zelloberflächenmoleküls Reggie in der Ratte. Diplomathesis, University of Konstanz, Germany Faugeron G, Selker EU, Margolin B, Lommel S, Miao VPW, GrCgoire A, and Rossignol JL (1995) Propagation of DNA methylation at non_symmetrical sites in Ascubulus and Neurospora. *J Cell Biochem*, 59, Issue Suppl 21B, 174. J8_401

Projects
Memberships
Other Relevant Information