

General Information

Name: Dr. Sebastian Wiese
Date of Birth: 18.09.1979
Gender: Male
Address: Core Unit Mass Spectrometry and Proteomics
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Current Position: Head of Core Unit Mass Spectrometry and Proteomics, permanent

University Education

2000–2005 Studies of Biochemistry, Ruhr-University Bochum, Medical Proteome Center, Diploma; Supervisor: Prof. Dr. H.E. Meyer

Academic Degrees

2010 Dr. rer. nat. (Ph.D): Ruhr-University Bochum, Medical Proteome Center, Jun.-Prof. Dr. Bettina Warscheid

Professional Experience

Since 2014 Head of the Core Unit Mass Spectrometry and Proteomics (CUMP), Medical Faculty, Ulm University
2013-2014 Head of the Core Facility Proteomics at the Center for Biological Systems Analysis (ZBSA), University of Freiburg
2010-2013 Post-Doc with Prof. B. Warscheid, Functional Proteomics, University of Freiburg
2009-2010 Post-Doc with Prof. B. Warscheid, Clinical & Cellular Proteomics, University of Duisburg-Essen

Miscellaneous

Memberships:

Since 2005 German Society for Mass Spectrometry, DGMS
Since 2011 German Society for Proteome Science, DGPF
Since 2017 Executive Board, Collaborative Research Center (SFB) 1279 "Exploiting the Human Peptidome for Novel Antimicrobial and Anticancer Agents"
Since 2018 Advisory Board, German Lyme disease Society

Award and Honors:

2002-2003 Scholarship, Deutscher Akademischer Austauschdienst (DAAD)
2005 American Society for Mass Spectrometry, 2nd Place Undergraduate Poster Award

Publications

1. Groß A, Kracher B, Kraus JM, Kühlwein SD, Pfister AS, Wiese S, Luckert K, Pötz O, Joos T, Van Daele D, De Raedt L, Kestler HA. Representing dynamic biological networks with multi-scale probabilistic models. **Commun Biol.** 2019;2:21.
2. Walliser C, Hermkes E, Schade A, Wiese S, Deinzer J, Zapatka M, Désiré L, Mertens D, Stilgenbauer S, Gierschik P. The Phospholipase Cy2 Mutants R665W and L845F Identified in Ibrutinib-resistant Chronic Lymphocytic Leukemia Patients Are Hypersensitive to the Rho GTPase Rac2 Protein. **J Biol Chem.** 2016;291(42):22136-48.
3. Völkel G, Wiese S, Holzmann K, Kraus JM, Schneider F, Görlach M, Kestler HA. TraqBio - Flexible Progress Tracking for Core Unit Projects. **PLoS One.** 2016;11(9):e0162857.

4. Baur JD, Rösler R, Wiese S, Johnsson N, Gronemeyer T. Dissecting the nucleotide binding properties of the septins from *S. cerevisiae*. **Cytoskeleton (Hoboken)**. 2019;76(1):45-54.
5. Hecht M, Rösler R, Wiese S, Johnsson N, Gronemeyer T. An Interaction Network of the Human SEPT9 Established by Quantitative Mass Spectrometry. **G3 (Bethesda)**. 2019;9(6):1869-80.
6. Wrobel L, Topf U, Bragoszewski P, Wiese S, Sztolsztener ME, Oeljeklaus S, Varabyova A, Lirski M, Chroscicki P, Mroczek S, Januszewicz E, Dziembowski A, Koblovska M, Warscheid B, and Chacinska A. Mistargeted mitochondrial proteins activate a proteostatic response in the cytosol. **Nature**. 2015;524(7566):485-88
7. Qiu J, Wenz LS, Zerbes RM, Oeljeklaus S, Bohnert M, Stroud DA, Wirth C, Ellenrieder L, Thornton N, Kutik S, Wiese S, Schulze-Specking A, Zufall N, Chacinska A, Guiard B, Hunte C, Warscheid B, van der Laan M, Pfanner N, Wiedemann N, Becker T. Coupling of mitochondrial import and export translocases by receptor-mediated supercomplex formation. **Cell**. 2013;154(3):596-608.
8. Gronemeyer T*, Wiese S*, Ofman R, Bunse C, Pawlas M, Hayen H, Eisenacher M, Stephan C, Meyer HE, Waterham HR, Erdmann R, Wanders RJA, Warscheid B. The proteome of human liver peroxisomes: Identification of five new peroxisomal constituents by a label-free quantitative proteomics survey. **PLoS One**. 2013;8(2):e57395. *Equal contribution.
9. Niemann M*, Wiese S*, Mani J, Chanfon A, Meisinger C, Warscheid B, Schneider S. Mitochondrial outer membrane proteome of *Trypanosoma brucei* reveals novel factors required to maintain mitochondrial morphology. **Mol Cell Proteomics**. 2013;12(2):515-28. *Equal contribution.
10. Wiese S*, Gronemeyer T*, Brites P, Ofman R, Bunse C, Renz C, Meyer HE, Wanders RJA, Warscheid B. Comparative profiling of the peroxisomal proteome of wildtype and Pex7 knockout mice by quantitative mass spectrometry. **Int J Mass Spectrom**. 2012;312:30-40. *Equal contribution.