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born 28.08.1966 in Lübeck, Germany

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Professor (W2), 4 children (*1991, *1999, *2011, *2015)

University Education

1995 – 1998 Graduate studies in Biochemistry, Max Planck Research Unit for Structural Molecular Biology at DESY, Hamburg

1989 – 1995 Studies in Biology, University of Hamburg, Germany

Scientific certificates

2007 Lecture qualification (Habilitation) in Molecular Biology at the University of Hamburg

1998 Promotion (Dr. rer. nat) in Biology, University of Hamburg; supervisor: Prof. Dr. Eckhard Mandelkow

Scientific Career

Since 2016 Head of Department of Molecular Systems Biology (merger of Dep. of Proteomics and Metabolomics), UFZ

Since 2015 W2 Professor of Functional Proteomics, Institute of Biochemistry, University of Leipzig

2013–2016 Professor of Systems Microbiology, University of Aalborg, Denmark

2008–2016 Speaker of Department of Metabolomics, UFZ

2006–2016 Head of Department of Proteomics, UFZ

2003–2006 Senior postdoc at Max Planck Research Unit for Structural Molecular Biology at DESY, Hamburg

2002–2003 Head of Proteomics at Mice & More GmbH & Co KG, Hamburg

2001–2002 Scientist at Megamedics GmbH, Wedel

1998–2001 Postdoctoral researcher at Max Planck Research Unit for Structural Molecular Biology at DESY, Hamburg

Other professional/academic positions and prizes

Reviewer for DFG, and various other international foundations and universities and scientific journals such as *Nature Methods*, *Nature Communications*, *Proteomics*, *ISME Journal*, *Molecular*

Systems Biology, Journal of Proteome Research and others; 2015 Award of the German Society for Mass Spectrometry for the application of stable isotopes in metaproteomics

10 selected publications

Haange SB, Till T, Bergh PO, Fauler G, Gigl M, Löfgren-Sandblom A, Schaap FG, Clavel T, Trautwein T, Fenske W, Kleigrew K, Marschall HU, Olde Damink SWM, Moustafa T, **von Bergen M**, and U Rolle-Kampczyk. 2022. Ring Trial on Quantitative Assessment of Bile Acids Reveals a Method- and Analyte-Specific Accuracy and Reproducibility. *Metabolites*, accepted

Discovery of novel community-relevant small proteins in a simplified human intestinal microbiome. Petruschke H, Schori C, Canzler S, Riesbeck S, Poehlein A, Daniel R, Frei D, Segessemann T, Zimmerman J, Marinos G, Kaleta C, Jehmlich N, Ahrens CH, **von Bergen M**. *Microbiome*. 2021 Feb 23;9(1):55

van Best N, Rolle-Kampczyk U, Schaap FG, Basic M, Olde Damink SWM, Bleich A, Savelkoul PHM, **von Bergen M**, Penders J, Hornef MW. 2020. Bile acids drive the newborn's gut microbiota maturation. *Nat Commun*. 11(1):3692

Riba A, Hassani K, Walker A, van Best N, von Zezschwitz D, Anslinger T, Sillner N, Rosenhain S, Eibach D, Maiga-Ascofaré O, Rolle-Kampczyk U, Basic M, Binz A, Mocek S, Sodeik B, Bauerfeind R, Mohs A, Trautwein C, Kiessling F, May J, Klingenspor M, Gremse F, Schmitt-Kopplin P, Bleich A, Torow N, **von Bergen M**, Hornef MW. 2020. Disturbed gut microbiota and bile homeostasis in *Giardia*-infected mice contribute to metabolic dysregulation and growth impairment. *Sci Transl Med*. 2020 Oct 14;12(565)

Oberbach A, Haange SB, Schlichting N, Heinrich M, Lehmann S, Till H, Hugenholtz F, Kullnick Y, Smidt H, Frank K, Seifert J, Jehmlich N, **von Bergen M**. Metabolic in Vivo Labeling Highlights Differences of Metabolically Active Microbes from the Mucosal Gastrointestinal Microbiome between High-Fat and Normal Chow Diet. *J Proteome Res*. 2017 Apr 7;16(4):1593-1604.

Schubert K, Olde Damink SWM, **von Bergen M**, Schaap FG. Interactions between bile salts, gut microbiota, and hepatic innate immunity. *Immunol Rev*. 2017 Sep;279(1):23-35.

D.K. Wissenbach, K. Oliphant, U. Rolle-Kampczyk, S. Yen, H. Hoke, S. Baumann, S.B. Haange, E.F. Verdu, E. Allen-Vercoe, and **M. von Bergen**, Optimization of metabolomics of defined in vitro gut microbial ecosystems. *Int J Med Microbiol* 2016 Aug;306(5):280-289.

Monika Schaubeck, Thomas Clavel, Jelena Calasan, Ilias Lagkouvardos, Sven Bastiaan Haange, Nico Jehmlich, Marijana Basic, Aline Dupont, Mathias Hornef, **Martin von Bergen**, André Bleich, Dirk Haller, Dysbiotic gut microbiota causes transmissible Crohn's disease-like ileitis independent of failure in antimicrobial defence *Gut*. 2016 Feb; 65(2): 225–237

Markle JG, Frank DN, Mortin-Toth S, Robertson CE, Feazel LM, Rolle-Kampczyk U, **von Bergen M**, McCoy KD, Macpherson AJ, Danska JS. Sex differences in the gut microbiome drive hormone-dependent regulation of autoimmunity. *Science*. 2013 Mar 1;339(6123):1084-8.

M. von Bergen, N. Jehmlich, M. Taubert, C. Vogt, F. Bastida, F.A. Herbst, F. Schmidt, H.H. Richnow, and J. Seifert, Insights from quantitative metaproteomics and protein-stable isotope probing into microbial ecology. *ISME J* 7 (2013) 1877-85.