

Curriculum Vitae

Michael Schloter Professor, Dr. rer. nat.
d.o.b. May 8th, 1966, in Munich, Germany

University Education

2007 Habilitation Microbiology, Ludwig Maximilians University, Munich
1994 PhD Genetics and Microbiology, University of Bayreuth
1984-1990 Studies of Biology (Dipl. Biol.), Ludwig Maximilians University

Scientific Career

since 2017 Principal investigator of DZL (German Center for Lung Research)
since 2016 Member of the Munich Sequencing Alliance
since 2016 Head of the Core Facility „Microbiome Sequencing“ at the Helmholtz Zentrum München
since 2016 Member of Zentralinstitut für Ernährung- und Lebensmittelforschung (ZIEL) at Technischen Universität München
since 2013 Member of Hans Eisenmann Forum für Agrarforschung at Technischen Universität München
since 2011 Director of the Research Unit for “Environmental Genomics” at the Helmholtz Zentrum München renamed to Research Unit for “Comparative Microbiome Analysis”
since 2010 Professor for Soil Microbiology at the Technische Universität München
since 2009 Distinguished Lecturer at Technical University of Graz, Austria
2008-2011 Head of the Research Unit “Terrestrial Ecogenetics” at the Helmholtz Zentrum München
2006-2011 Deputy Director of the Institute for Soil Ecology at the Helmholtz Zentrum München
2002–2007 Leader of the Working group “Functional Microbial Ecology” at the Institute for Soil Ecology at National Research Center for Environment and Health (GSF)
2000 – 2002 Scientist at the Institute for Soil Ecology at National Research Center for Environment and Health (GSF)
2000 PostDoc at Environmental Protection Agency, Corvallis, USA
1995 - 1999 Post-doctoral position at the Institute for Soil Ecology at National Research Center for Environment and Health (GSF)
1995 PostDoc at EMBRAPA, Rio de Janeiro, Brasil
1993 – 1994 PostDoc at the Institute for Soil Ecology at National Research Center for Environment and Health (GSF)
1990 – 1993 Researcher at University of Bayreuth, Germany, Chair for Genetics

Awards and Honors

2021 Mitglied der bayerischen Akademie der Wissenschaften
2021 Highly cited researcher according to Web of Science
2021 Offer for a professorship at University of Sharjah, United Arab Emirates (denied)
2021 Offer for a W3 professorship at University of Kiel, Germany (denied)
2020 Highly cited researcher according to Web of Science
2020 Offer for Professorship (Environmental Microbiology) at University of Innsbruck (denied)
2020 Selected member of Royal Academy of Science, Riad, Saudi Arabia
2019 Highly cited researcher according to Web of Science
2014 Science Award of the Republic of Croatia
2011 Heinrich Baur Research Award

Citation Record

Total citations: 32,195; h-index:90; h-index since 2017: 64 (Google Scholar July 24th, 2022)

Top-10 selected Publications

Pfeiffer, S. ; Herzmann, C. ; Gaede, K.I. ; Kovacevic, D. ; Krauss-Etschmann, S. ; **Schlöter, M.** Different responses of the oral, nasal and lung microbiomes to cigarette smoke. *Thorax* 8, DOI: 10.1136/thoraxjnl-2020-216153 (2021)

Berg, G. ; Rybakova, D. ; Fischer, D. ; Cernava, T. ; Vergès, M.C.C. ; Charles, T. ; Chen, X. ; Cocolin, L. ; Eversole, K. ; Corral, G.H. ; Kazou, M. ; Kinkel, L. ; Lange, L. ; Lima, N. ; Loy, A. ; Macklin, J.A. ; Maguin, E. ; Mauchline, T. ; McClure, R. ; Mitter, B. ; Ryan, M. ; Sarand, I. ; Smidt, H. ; Schelkle, B. ; Roume, H. ; Kiran, G.S. ; Selvin, J. ; de Souza, R.S.C. ; van Overbeek, L. ; Singh, B.K. ; Wagner, M. ; Walsh, A. ; Sessitsch, A. ; **Schlöter, M.** Microbiome definition re-visited: Old concepts and new challenges. *Microbiome* vol 8, 103 (2020).

Metwaly, A. ; Dunkel, A. ; Waldschmitt, N. ; Durai Raj, A.C. ; Lagkouvardos, I. ; Corraliza, A.M. ; Mayorgas, A. ; Martinez-Medina, M. ; Reiter, S. ; **Schlöter, M.** ; Hofmann, T. ; Allez, M. ; Panes, J. ; Salas, A. ; Haller, D. Integrated microbiota and metabolite profiles link Crohn's disease to sulfur metabolism. *Nat. Commun.* 11:4322 (2020)

Lauer, T. ; Behnke, J. ; Oehmke, F. ; Baecker, J. ; Gentil, K. ; Chakraborty, T. ; **Schlöter, M.** ; Gertheiss, J. ; Ehrhardt, H. Bacterial colonization within the first 6 weeks of life and pulmonary outcome in preterm infants <1000 g. *J. Clin. Med.* 9:2240 (2020)

Jia, J. ; Conlon, T.M. ; Sarker, R.S. ; Taşdemir, D. ; Smirnova, N.F. ; Srivastava, B. ; Verleden, S.E. ; Güneş, G. ; Wu, X. ; Prehn, C. ; Gao, J. ; Heinzemann, K. ; Lintelmann, J. ; Irmeler, M. ; Pfeiffer, S. ; **Schlöter, M.** ; Zimmermann, R. ; Hrabě de Angelis, M. ; Beckers, J. ; Adamski, J. ; Bayram, H. ; Eickelberg, O. ; Yildirim, A.Ö. Cholesterol metabolism promotes B-cell positioning during immune pathogenesis of chronic obstructive pulmonary disease. *EMBO Mol. Med.* 10:e8349 (2018)

Kostric, M. ; Milger, K. ; Krauss-Etschmann, S. ; Engel, M. ; Vestergaard, G. ; **Schlöter, M.** ; Schöler, A. Development of a stable lung microbiome in healthy neonatal mice. *Microb. Ecol.* 75, 529-542 (2018)

Engel, M. ; Endesfelder, D. ; Schlöter-Hai, B. ; Kublik, S. ; Granitsiotis, M.S. ; Boschetto, P. ; Stendardo, M. ; Barta, I. ; Döme, B. ; Deleuze, J.F. ; Boland, A. ; Müller-Quernheim, J. ; Prasse, A. ; Welte, T. ; Hohlfeld, J. ; Subramanian, D. ; Parr, D. ; Gut, I.G. ; Greulich, T. ; Koczulla, A.R. ; Nowinski, A. ; Gorecka, D. ; Singh, D. ; Gupta, S. ; Brightling, C.E. ; Hoffmann, H. ; Frankenberger, M. ; Hofer, T.P. ; Burggraf, D. ; Heiss-Neumann, M.S. ; Ziegler-Heitbrock, L. ; **Schlöter, M.** ; zu Castell, W. Influence of lung CT changes in chronic obstructive pulmonary disease (COPD) on the human lung microbiome. *PLoS ONE* 12:e0180859 (2017)

Jatzlauk, G. ; Bartel, S. ; Heine, H. ; **Schlöter, M.** ; Krauss-Etschmann, S. Influences of environmental bacteria and their metabolites on allergies, asthma and host microbiota. *Allergy* 72, 1859-1867 (2017)

Kepert, I. ; Fonseca, J. ; Müller, C. ; Milger, K. ; Hochwind, K. ; Kostric, M. ; Fedoseeva, M. ; Ohnmacht, C. ; Dehmel, S. ; Nathan, P. ; Bartel, S. ; Eickelberg, O. ; **Schlöter, M.** ; Hartmann, A. ; Schmitt-Kopplin, P. ; Krauss-Etschmann, S. D-Tryptophan from probiotic bacteria influences the gut microbiome and allergic airway disease. *J. Allergy Clin. Immunol.* 139, 1525-1535 (2017)

Birzele, L.T. ; Depner, M. ; Ege, M.J. ; Engel, M. ; Kublik, S. ; Bernau, C. ; Loss, G.J. ; Genuneit, J. ; Horak, E. ; **Schlöter, M.** ; Braun-Fahrländer, C. ; Danielewicz, H. ; Heederik, D. ; von Mutius, E. ; Legatzki, A. Environmental and mucosal microbiota and their role in childhood asthma. *Allergy* 72, 109-119 (2017)