



Curriculum vitae – Matthias Mann

NAME Matthias Mann
TITLE Prof. Dr. rer. nat. Dr. Dr. h.c.
POSITION TITLE Director; Department of Proteomics and Signal Transduction,
Max-Planck-Institute of Biochemistry
BIRTHDATE 10/10/1959
CONTACT DETAILS Max Planck Institute of Biochemistry, Am Klopferspitz 18, 82152
Martinsried (near Munich, Germany)
Tel - +49 89 8578 2557
Fax - +49 89 8578 2219
E-mail – mmann@biochem.mpg.de
Website: <http://www.biochem.mpg.de/mann/>

Education:

- Georg August Universität Göttingen; B.A.; 1982; Physics, Mathematics
- Georg August Universität Göttingen; Master's Degree; 1984; Physics
- Yale University; Ph.D.; 1988; Chemical Engineering

Professional Experience:

1989–1992 Postdoctoral fellow and later Senior Scientist in the Department of Molecular Biology, University of Southern Denmark, Denmark
1992-1998 Group leader of the Protein & Peptide Group, European Molecular Biology Laboratory (EMBL), Heidelberg
1998-2007 Professor of Bioinformatics, Department of Biochemistry and Molecular Biology, University of Southern Denmark; Director of the Center for Experimental Bioinformatics (CEBI)
2005 - Director at the Max-Planck Institute of Biochemistry, Martinsried, Germany
2007 - Additional appointment as director of the Department of Proteomics, The Novo Nordisk Foundation Center for Protein Research, Faculty of Health Sciences, University of Copenhagen, Denmark

Honors:

- 1991 Malcom Award by the journal Organic Mass Spectrometry
- 1996 Mattauch Herzog Prize in Mass Spectrometry
- 1997 Hewlett-Packard Prize for Strategic Research in Automation of Sample Preparation
- 1998 Edman Prize by the "Methods in Protein Structure Analysis" Society
- 1999 Bieman Medal for Outstanding Achievement in Mass Spectrometry (American Society for Mass Spectrometry)
- 1999 Named second most cited scientist in chemistry in the years 1994 to 1996 by the Institute of Scientific Information
- 1999 Elected visiting professor Harvard Medical School
- 1999 Elected to the European Molecular Biology Organization (EMBO)
- 2001 Bernhard and Matha Rasmussen's Memorial award in Cancer Research
- 2001 Meyenburg Cancer Research Award
- 2001 Fesenius Prize for Analytical Chemistry by the German Chemical Society

- 2004 Honorary Doctorate University Utrecht, Netherlands
- 2004 Lundbeck Nordic Research Prize
- 2004 Novo-Nordisk Prize (shared with Prof. Peter Roepstorff)
- 2005 Anfinsen Award of the Protein Society
- 2006 Biochemical Analysis Prize by the German Society for Clinical Chemistry and Laboratory Medicine
- 2007 Honorary Professor at The Novo Nordisk Foundation Center for Protein Research, Faculty of Health Sciences, University of Copenhagen
- 2007 2nd most cited European Scientist for the last ten years according to ScienceWatch (ISI)
- 2008 HUPO Distinguished Achievement Award in Proteomic Sciences (Shared with Prof. Denis Hochstrasser)
- 2009 Honorary Degree awarded from University of Dundee
- 2010 Friedrich Wilhelm Joseph von Schelling Prize awarded by the Bavarian Academy of Sciences
- 2011 Fyodor Lynen Lecture Medal 2011 (German Society of Biochemistry and Molecular Biology)
- 2012 Leibniz Prize of the German Research Society
- 2012 Ernst Schering Prize
- 2012 Louis-Jeantet Foundation Prize for Medicine
- 2012 Körber European Science Award
- 2013 Elected member of Leopoldina German National Academy of Sciences
- 2013 Winner of m4 Award – Ministry of Economic Affairs supports Personalized Medicine
- 2015 Barry L. Karger Medal in Bioanalytical Chemistry
- 2015 Theodor Bücher Lecture and Medal
- 2015 Danish Order of Dannebrog Knights Cross
- 2017 Winner of Lennart Philipson Award

Current Editorial Board Memberships:

- Carcinogenesis
- Cell
- Cell Systems
- Clinical Mass Spectrometry
- Molecular and Cellular Proteomics

Grants:

Matthias Mann is currently involved in more than 6 external grants. Main sources: European Union, BMBF (The German Federal Ministry of Education and Research), Michael J Fox Foundation, Excellence Initiative of the Federal Republic of Germany and the German Research Foundation (DFG) as well as joint projects with various industrial concerns.

Publications:

Dr. Mann has authored and co-authored more than 650 publications with over 160,000 citations according to ISI (h-factor more than 190), making him one of the most highly cited researchers worldwide

Ten most important publications (newest first):

- 1) Aebersold R, **Mann M.** (2016) Mass-spectrometric exploration of proteome structure and function. **Nature.** 537(7620):347-55
- 2) Geyer PE, Kulak NA, Pichler G, Holdt LM, Teupser D, **Mann M.** (2016) Plasma Proteome Profiling to Assess Human Health and Disease. **Cell Syst.**2(3):185-195

- 3) MY Hein, NC Hubner, I Poser, J Cox, N Nagaraj, Y Toyoda, IA Gak, I Weisswange, J Mansfeld, F Buchholz, AA Hyman & **M Mann**. A human interactome in three quantitative dimensions organized by stoichiometries and abundances. **Cell**. 2015 Oct 22;163(3):712-23
- 4) Vermeulen M, Eberl HC, Matarese F, Marks H, Denissov S, Butter F, Lee KK, Olsen JV, Hyman AA, Stunnenberg HG, **Mann M**. (2010) Quantitative interaction proteomics and genome-wide profiling of epigenetic histone marks and their readers. **Cell**. 142(6):967-80.
- 5) Choudhary, C., Kumar, C., Gnäd, F., Nielsen, M.L., Rehman, M., Walther, T.C., Olsen, J.V., and **Mann, M**. (2009). Lysine acetylation targets protein complexes and co-regulates major cellular functions. **Science** 325, 834-840.
- 6) de Godoy, L.M., Olsen, J.V., Cox, J., Nielsen, M.L., Hubner, N.C., Frohlich, F., Walther, T.C., and **Mann, M**. (2008). Comprehensive mass-spectrometry-based proteome quantification of haploid versus diploid yeast. **Nature** 455, 1251-1254.
- 7) Olsen, J.V., Blagoev, B., Gnäd, F., Macek, B., Kumar, C., Mortensen, P., and **Mann, M**. (2006). Global, In Vivo, and Site-Specific Phosphorylation Dynamics in Signaling Networks. **Cell** 127, 635-648.
- 8) Ong, S.E., Blagoev, B., Kratchmarova, I., Kristensen, D.B., Steen, H., Pandey, A., and **Mann, M**. (2002). Stable Isotope Labeling by Amino Acids in Cell Culture, SILAC, as a Simple and Accurate Approach to Expression Proteomics. **Mol Cell Proteomics** 1, 376-386.
- 9) **Mann, M**, and Wilm, M.S. (1994). Error Tolerant Identification of Peptides in Sequence Databases by Peptide Sequence Tags. **Analytical Chemistry** 66, 4390-4399.
- 10) Wilm, M., Shevchenko, A., Houthaev, T., Breit, S., Schweigerer, L., Fotsis, T., and **Mann, M**. (1996). Femtomole Sequencing of Proteins from Polyacrylamide Gels by Nano Electrospray Mass Spectrometry. **Nature** 379, 466 - 469.