

Professor Matthias Mann

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Biographical note:

Matthias Mann is the director of the Department of Proteomics and Signal Transduction at the Max Planck Institute of Biochemistry, Martinsried near Munich and has an additional appointment as director of Proteomics Program, Novo Nordisk Foundation Center for Protein Research at the University of Copenhagen. He is a pioneer of mass spectrometry (MS)-based proteomics and has made landmark contributions to the development of the electrospray ionization technology (which was awarded the Noble Prize in chemistry for Prof. Dr. Mann's thesis advisor John Fenn in 2002). He is considered among the technological leaders in the field of MS- based proteomics, and has pioneered advances in sample preparation, chromatography, mass spectrometry and computer algorithms to make proteomics applicable to molecular biology. His research groups focus on signal transduction, biomarker discovery, oncology and metabolic diseases and are continually developing novel proteomic methods to understand human diseases better, more recently, at single-cell and spatial resolution. Matthias Mann is the recipient of several prestigious honors including Germany's top scientific prize, the Leibniz Prize, the Körber European Science Prize, the Louis-Jeantet Foundation Prize for Medicine, the Ernst Schering Prize, and the HUPO Distinguished Achievement Award in Proteomic Science, amongst many others. He has also been honored with 'The Order of Dannebrog Knights Cross' by her Majesty the Queen of Denmark in recognition of his outstanding contribution to science. He has authored over 800 publications and is the highest cited German researcher with an h-Index of 245 and over 290,000 citations (Google scholar).