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Scientific Evening Talk
Magnus-Haus Berlin, Am Kupfergraben 7, 10117 Berlin

Thursday, February 18, 2010, 19.00 h!

Prof. Dr. Matthias Mann
Max-Planck-Institut für Biochemie, Martinsried

Is proteomics the new genomics?

The discussion is chaired by Prof. Dr. Joachim Klose
Charité Berliner Universitätsmedizin

Afterwards, food and drinks in the 'Remise'; sponsored by the WE-Heraeus-Foundation
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Matthias Mann studied physics and mathematics at the University of Göttingen and received his doctorate degree in chemical engineering from Yale University in 1988. He contributed to the development of electrospray mass spectrometry (Nobel Prize in Chemistry 2002 for John B. Fenn, Dr. Mann's supervisor at Yale).

After earlier stations at the European Molecular Biology Laboratory ([EMBL](#)) as group leader and the University of Southern Denmark ([SDU](#)) as director of the Center for Experimental BioInformatics ([CEBI](#)), Matthias Mann took up in 2005 a director position at the Max-Planck Institut für Biochemie in Martinsried near Munich. He is also affiliated with the NNF Center for Protein Research ([University of Copenhagen](#)).

At the MPI für Biochemie, his department 'proteomics and signal transduction' develops and applies powerful tools of 'proteomics', which is the analysis of the protein complement in protein complexes, cells, tissues and organisms.

Abstract

The goal of proteomics is not only to determine the level of proteins, but also their localization, dynamics, post-translational modifications as well as their interaction partners. As will be described in the talk, proteomics is now becoming an important tool in biology and medicine for the 21st century. Examples will be given for the analysis of cancer and other diseases by proteomics.