

Invited Speaker

Horst Vogel

Professor of Biophysical Chemistry, Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland



Horst Vogel's laboratory at the Swiss Federal Institute of Technology (EPFL) in Lausanne, Switzerland bridges activities ranging from biochemistry, biophysics, cell and molecular biology to novel micro- and nanotechnologies. His laboratory has developed a number of novel bioanalytical techniques which allows the quantification of the interactions between proteins in living cells opening novel ways to investigate the complex biochemical intracellular network. Currently his laboratory concentrates on three major research areas: 1) The biophysics and biochemistry of cellular signaling reactions mediated by estrogen, ionotropic and G protein coupled receptors (adrenergic, neurokinin, odorant and taste receptors), 2) The self-assembly and folding of (bio)polymers in solution and at interfaces 3) The development of novel bioanalytical techniques in the micro- and nanometer range. Vogel studied Chemistry at the University of Würzburg, Germany and did his Ph.D thesis with Manfred Eigen at the Max-Planck-Institute for Biophysical Chemistry in Göttingen, Germany. After spending scientifically fruitful periods at the Max-Planck-Institute for Biology in Tübingen, Germany; the Biocenter in Basel, Switzerland and the Karolinska Institute in Stockholm, Sweden; he was in 1994 appointed as Professor of Biophysical Chemistry at EPFL.