

Roman Zubarev is professor of Medicinal Proteomics at the Karolinska Institutet, Stockholm, Sweden (since 2009). He has received a M.Sc. degree in Engineering Physics from the Moscow Engineering Physics Institute, USSR (1986), and a Ph.D. degree in Analytical Chemistry from the Uppsala University, Sweden (1997). He is best known for the discovery of electron capture dissociation and the isotopic resonance phenomenon. His research group is dealing with a variety of topics, including the development of instruments and methods for biological mass spectrometry, especially proteomics, and their applications to diverse biomedical problems. Among the latter are the mechanism, biomarkers and potential preventive treatments of Alzheimer's disease, as well as the targets and action mechanisms of drugs against cancer cells and microorganisms. He has authored more than 370 peer-reviewed publications and a dozen of patent applications. Among the honors he received is the Curt Brunnée Award from International Mass Spectrometry Society (2006), Biemann medal from The American Society for Mass Spectrometry (2007), Gold medal from the Russian MS Society (2012) and Gold Berzelius medal from the Swedish MS Society (2024).