

About the speaker



Malgorzata Adamczyk is a University Professor at the Faculty of Chemistry, Chair of Drug and Cosmetics Biotechnology, Warsaw University of Technology. She received her Ph.D. and Habilitation in biochemistry from the Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw, Poland. From 2006 until 2011 she was holding a research position at The University of Manchester UK, The Manchester Center for Integrative Systems Biology (MCISB) with main focus on combining experimental biology with computational modelling. Malgorzata's research spans a wide range of topics. Adamczyk's group has a track record

in molecular and biochemical systems biology studying the interplay between coding and non-coding gene expression and central carbon metabolism and optimising metabolic pathways in *S.cerevisiae* both by cutting-edge experimental strategies and (ODE-based) modelling (patent = 1). She has been active in developing and benchmarking of new biochemical, biophysical and systems biology tools including MST for study of biomolecular interaction and ONT method for long-read sequencing. Current projects focus on tRNA modifications and its roles in metabolic pathways activity in cancer and ageing.

She serves on Polish Biochemical Society as a Board Member. She is a member of Biochemical Society GB, a recipient of an EMBO fellowship at the University of Birmingham, UK, an awardee of TOP500 Innovators program (Ministry of Science and Higher Education, Poland), an alumnus of UC Berkeley, US and a distinguish member of AcademiaNet (nominated by National Science Centre, Poland). AcademiaNet brings together outstanding female researchers from European research institutions representing the fields of natural sciences, chemistry, bioinformatics, and engineering. M. Adamczyk participated in several BBSRC UK, MRC UK and pan-European SysMO projects and acted as PI in domestic, NSC grants. She was a visiting Professor at KU Medical Center, Kansas, US (2023), and The Warwick Integrative Synthetic Biology Centre, Warwick University, UK (2024). Since 2025, she has been an active member of the Human RNome Consortium, an international initiative aimed at mapping the entire human epitranscriptome.