

Rebecca Wade

Rebecca Wade leads the Molecular and Cellular Modeling group at Heidelberg Institute for Theoretical Studies (HITS) and is Professor of Computational Structural Biology at the Center for Molecular Biology at Heidelberg University (ZMBH). Rebecca Wade studied at Oxford University and, following postdoctoral research at the universities of Houston and Illinois, became a group leader at the European Molecular Biology Laboratory (EMBL) in Heidelberg in 1992. She moved to HITS in 2001. Rebecca Wade's research is focused on the development and application of computer-aided methods to model and simulate biomolecular interactions. Her research group has developed novel protein structure-based methods for drug discovery and protein engineering, most recently for studying drug binding kinetics, as well as multiresolution computational approaches to investigate macromolecular association and the effects of macromolecular crowding. Rebecca Wade's research has been published in over 250 scientific papers, as well as software programs and web servers that are used world-wide. She is an Associate Editor of the Journal of Molecular Recognition and PloS Computational Biology. She was awarded the 2004 Hansch Award of the QSAR and Modelling Society and the 2016 International Society of Quantum Biology and Pharmacology (ISQBP) Award in Computational Biology. URL: mcm.h-its.org.