Prof. Dr. Gerhard Klebe

Gerhard Klebe is currently full professor for pharmaceutical chemistry at the University of Marburg, Germany. Focus of his research is directed towards the understanding of protein-ligand interactions, including chemical synthesis, microcalorimetry, molecular biology, crystallography, bioinformatics and software development. Internationally recognized software tools such as CoMSIA, AFMoC, DrugScore, Relibase/Cavbase or MOBILE have been developed in his laboratory. Several drug discovery projects concentrate on the discovery of leads for disease targets relevant for the third world. To obtain better insight into affinity and selectivity determining features fundamental research is performed on serine proteases (trypsin/thrombin), aldose/aldehyde reductase and several aspartyl proteases. He studied chemistry at the University of Frankfurt/M, Germany, and obtained his doctorate in physical chemistry. After postdoctoral positions in crystallography (Grenoble, CNRS and ILL, France, and Univ. of Berne, Switzerland) he was responsible for molecular modeling and crystallography at BASF-AG in Ludwigshafen, Germany. He recently refused an offer from ETH Zürich, Switzerland, for a chair in Pharmaceutical Chemistry, has published more than 200 scientific papers, serves on the editorial board of several journals and is member of the Board of Governors of the Cambridge Crystallographic Data Centre. He organizes in two years frequency an International Workshop on New Approaches in Drug Discovery and Design. Details about the current work of his group and the workshops can be found on the homepage: www.agklebe.de