

Sino-German Virtual Institute for Viral Immunology SGVIVI

中德病毒感染与免疫研究网

Prof. Dr. Matthias Epple

Matthias Epple studied chemistry in Braunschweig, Germany and received his Ph.D. in Chemistry there in 1992. He worked as postdoctoral researcher at the University of Washington (Seattle, USA), the University of Cambridge (UK), and the Royal Institution (London, UK). After completing his habilitation in 1997 at the University of Hamburg, Germany, he was appointed as Associate Professor at the Ruhr-University of Bochum, Germany. In 2003, he took a chair in Inorganic Chemistry at the University of Duisburg-Essen, Germany.

His research is focused on the development of materials for biomedicine, including inorganic nanoparticles for gene and drug delivery and imaging. These have been successfully applied to induce virus-specific immune responses, together with partners from medicine. Further research interests involve the study of biomineralization processes and the ultrastructural investigation of inorganic nanoparticles.