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## **Wolfgang Parak**

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**Wolfgang Parak** is Professor at the University of Hamburg. He has studied physics and obtained his PhD in Munich. After a postdoctoral fellowship at Berkeley he returned 2003 to Munich to start his own group. Before moving to the University of Hamburg in 2017 he spent 10 years as professor at the Philipps University Marburg. The research of Wolfgang Parak is dedicated towards the development of new surface chemistries of inorganic nanoparticles and towards the characterization of their physicochemical properties. In particular, the development of an amphiphilic polymer coating is nowadays used by many different groups worldwide. Nanoparticles with such high colloidal stability are the bases of experimentally correlating their physicochemical properties with their interaction with cells (involving uptake and cytotoxicity), which has been the research topic of the Parak group for the 2 decades. The group also uses polymeric polyelectrolyte capsules fabricated by layer-by-layer assembly for biological applications (in vitro sensing and delivery). Personal Home Page: <https://www1.physik.uni-hamburg.de/en/inf/ag-parak/team/wolfgang-parak.html>