



**Angelika Kühnle** was born in 1974 in Ulm (Germany). She studied physics at the Free University Berlin (Germany). After finishing her Master's thesis in the group of K.-H. Rieder she joined the group of F. Besenbacher at Aarhus University (Denmark), where she did her PhD entitled "Molecular self-assembly and chiral recognition: Biologically relevant molecules on metal surfaces" using scanning tunneling microscopy.

In 2003 she joined the chemical company BASF SE in Ludwigshafen (Germany), being responsible for a research laboratory within polymer physics. In 2005 she was awarded an Emmy Noether-Grant of the German Research Foundation (DFG). In 2009 she was appointed for a full professorship at the institute for physical chemistry of the Johannes Gutenberg University Mainz. Her research interest focuses on exploring dynamics and structure formation of organic molecules on insulator surfaces, including molecular self-assembly and on-surface synthesis. An important aspect is elucidating fundamental processes at surfaces and interfaces of dielectric materials. The work comprises method development for high-resolution imaging both in ultra-high vacuum and at the solid-liquid interface, hydration layer mapping and novel approaches for Kelvin probe force microscopy in electrolyte solutions.