

Fritz-Haber-Institut der Max-Planck-Gesellschaft

Physikalische Chemie — Direktor: Prof. Dr. Martin Wolf



MAX-PLANCK-GESELLSCHAFT

Department Seminar:

Monday, October 7, 2019, at 11:00 a.m.;

— all are invited to meet at around 10:40 for a chat with coffee & cookies —

Dr. Fabian Schulz

IBM Research Laboratory,
Zürich, CH.

High-resolution atomic force microscopy for molecular structure elucidation

PC Seminar Room G2.06, Building G, Faradayweg 4

M.Müller

Abstract:

Atomic force microscopy with CO-functionalized tips (CO-AFM) allows for the chemical structure of molecules to be imaged with atomic resolution.

Here, I will discuss recent examples of employing CO-AFM for the study of complex molecular mixtures and for the on-surface synthesis of molecules by tip-induced atom manipulation.