

# Lehrstuhl für Physikalische Chemie II – AK Steinrück

Internet: <http://www.chemie.uni-erlangen.de/steinrueck>

## Research program

### Fundamental Research:

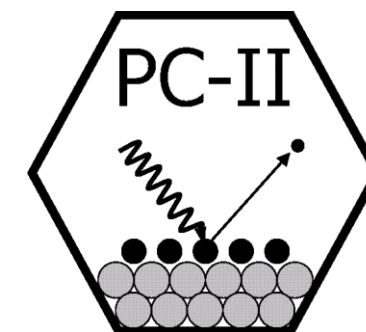
- New materials
- Elementary steps of surface reactions

### Goals:

- ➔ Microscopic description of processes
- ➔ Detailed understanding of reactions
- ➔ New catalysts with tailored properties

## Group members

- Prof. Dr. Hans-Peter Steinrück
- PD Dr. Hubertus Marbach
- PD Dr. Christian Papp
- Dr. Ole Lytken
- Dr. Florian Maier



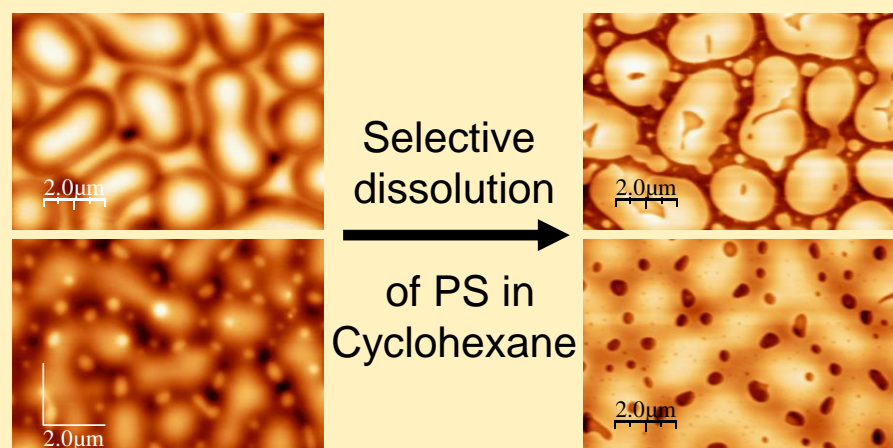
### Contact:

**Dr. Andreas Bayer**

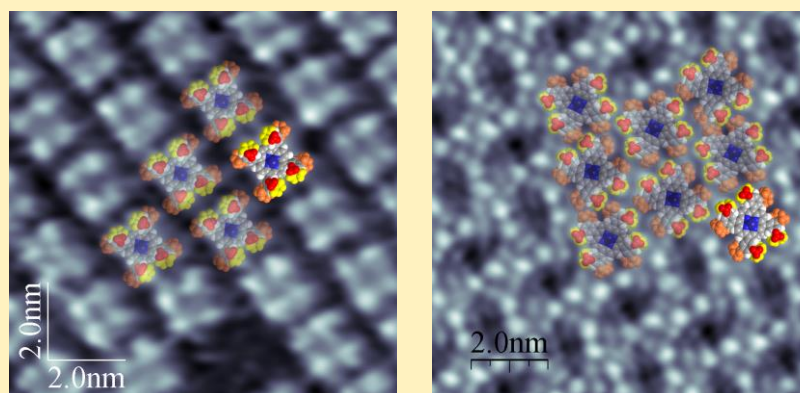
**Room: P 3.90, phone: 09131 / 85 27314**

**Email: [andreas.bayer@fau.de](mailto:andreas.bayer@fau.de)**

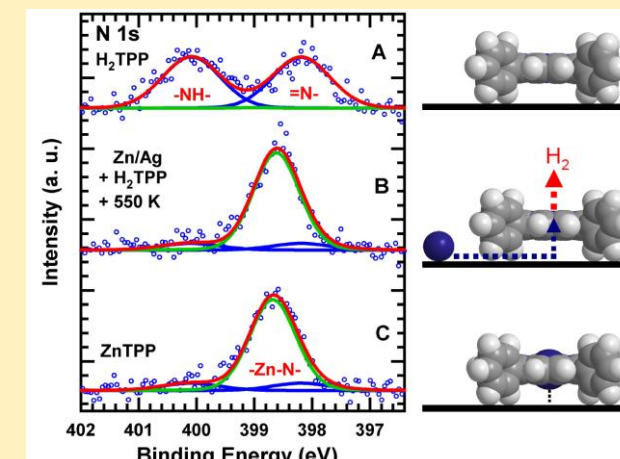
## AFM Investigations of Polymer Blends



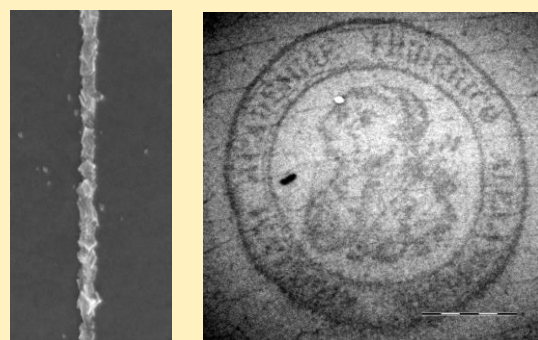
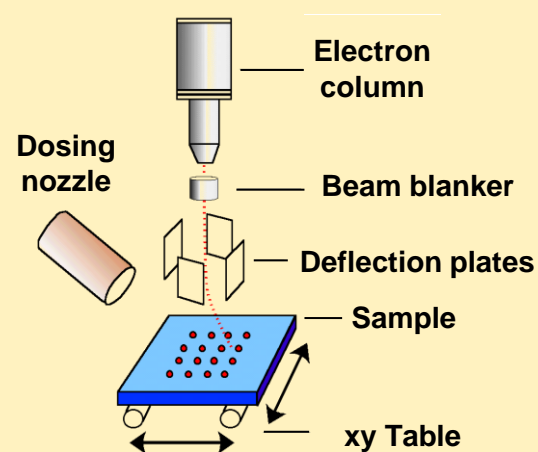
## STM and XPS Studies of Porphyrins: Surface Coordination Chemistry



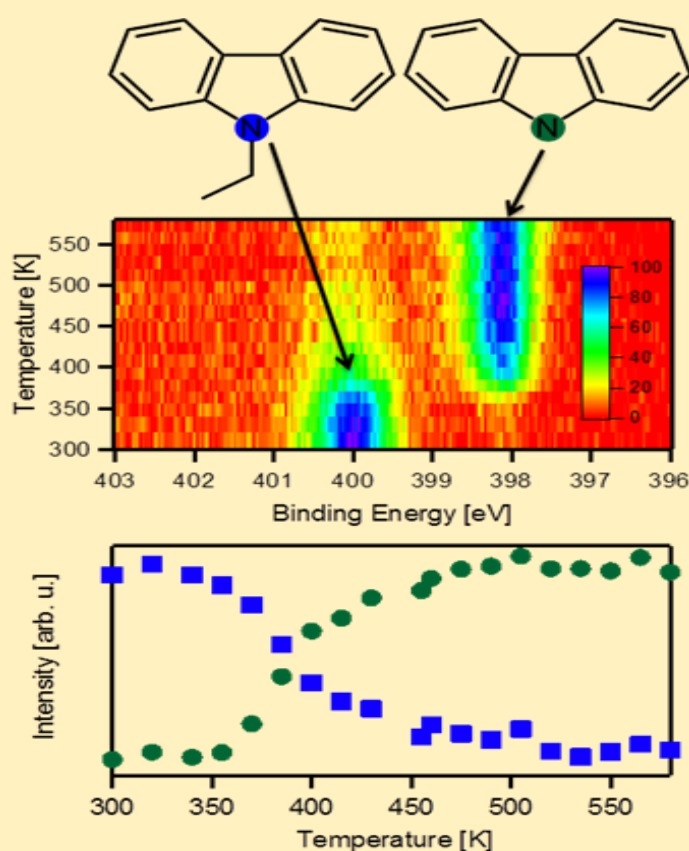
molecular arrangements and conformations



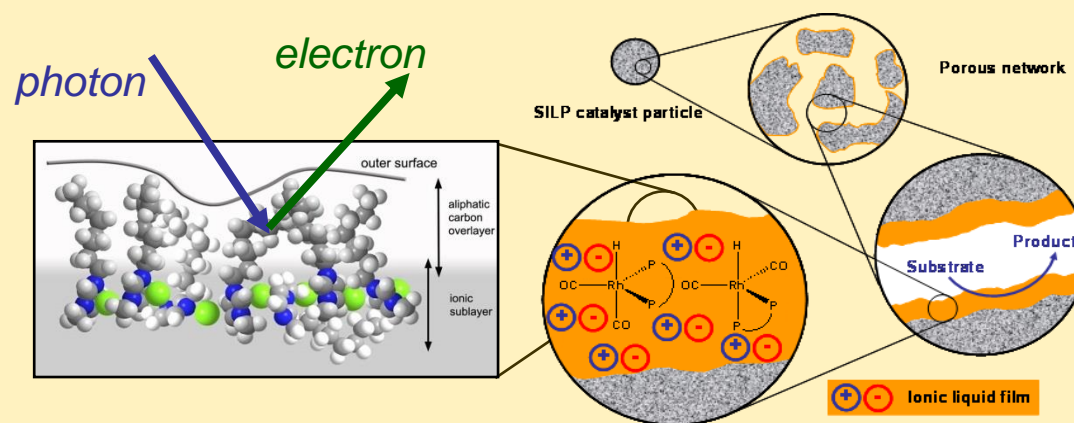
## Writing Nanostructures with an Electron-Beam



## Liquid Organic H-Carriers



## Ionic Liquid Surface Science (→ SILP catalysis)



## Graphene – Carbon with unique properties

