

TU-Wien – TUS Collaboration



FAKULTÄT FÜR
TECHNISCHE CHEMIE
FACULTY OF
TECHNICAL CHEMISTRY



Assistant Prof. Noelia Barrabés



JAPANESE SCIENCE DAY

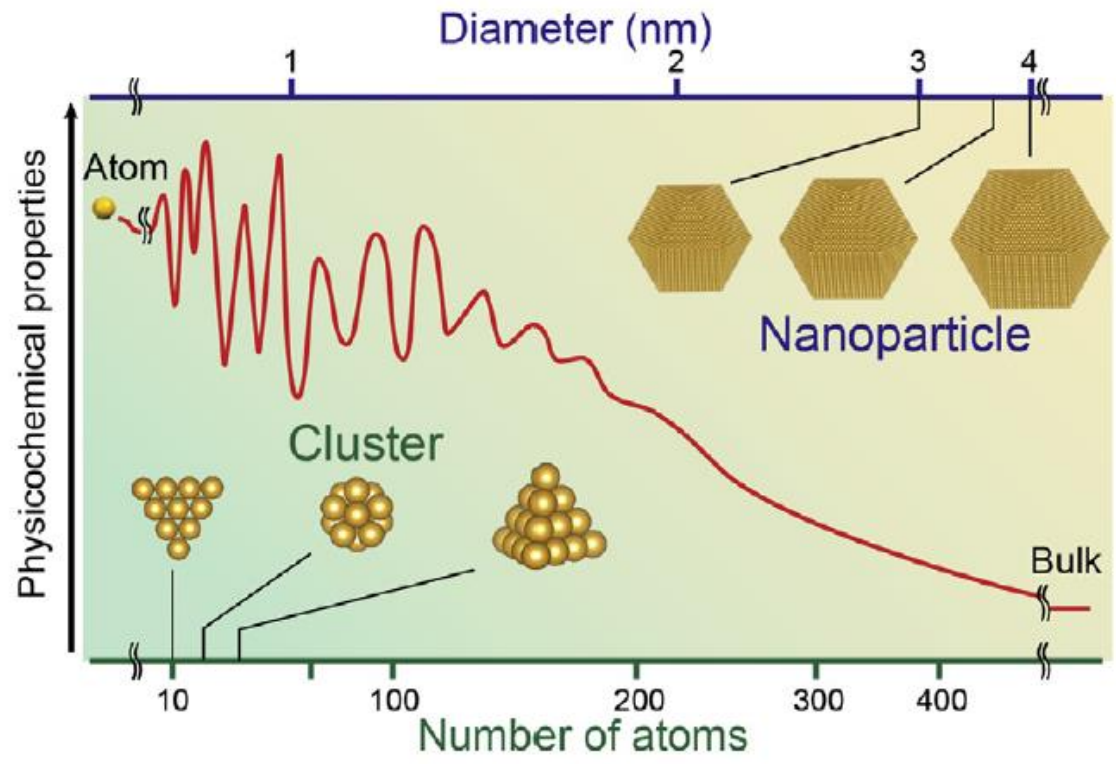
Saturday, 5 October 2024

Operando Spectroscopy



Catalysis

Metal Nanoclusters

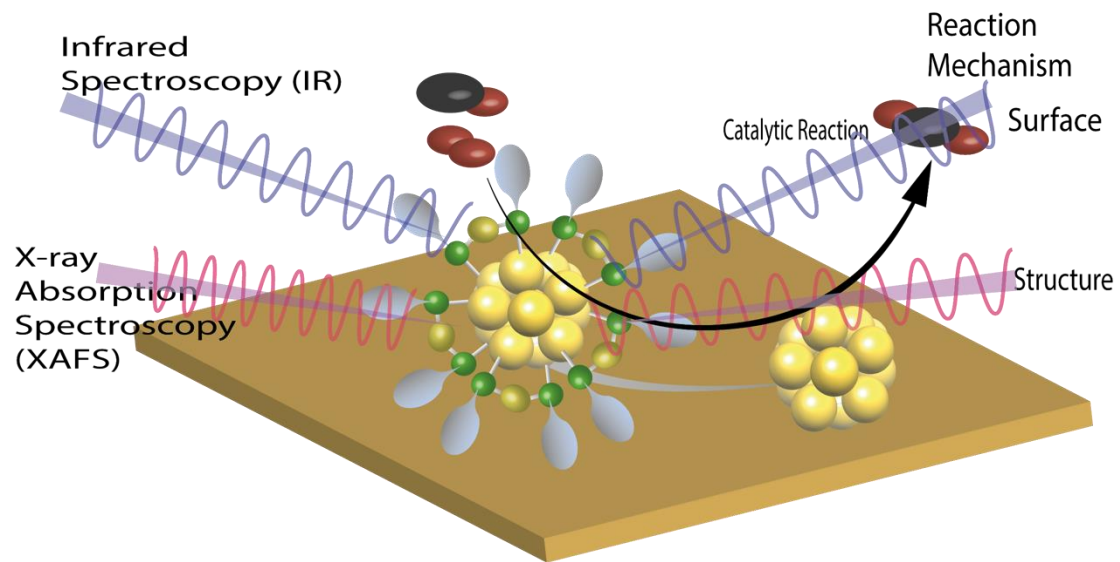


Chirality



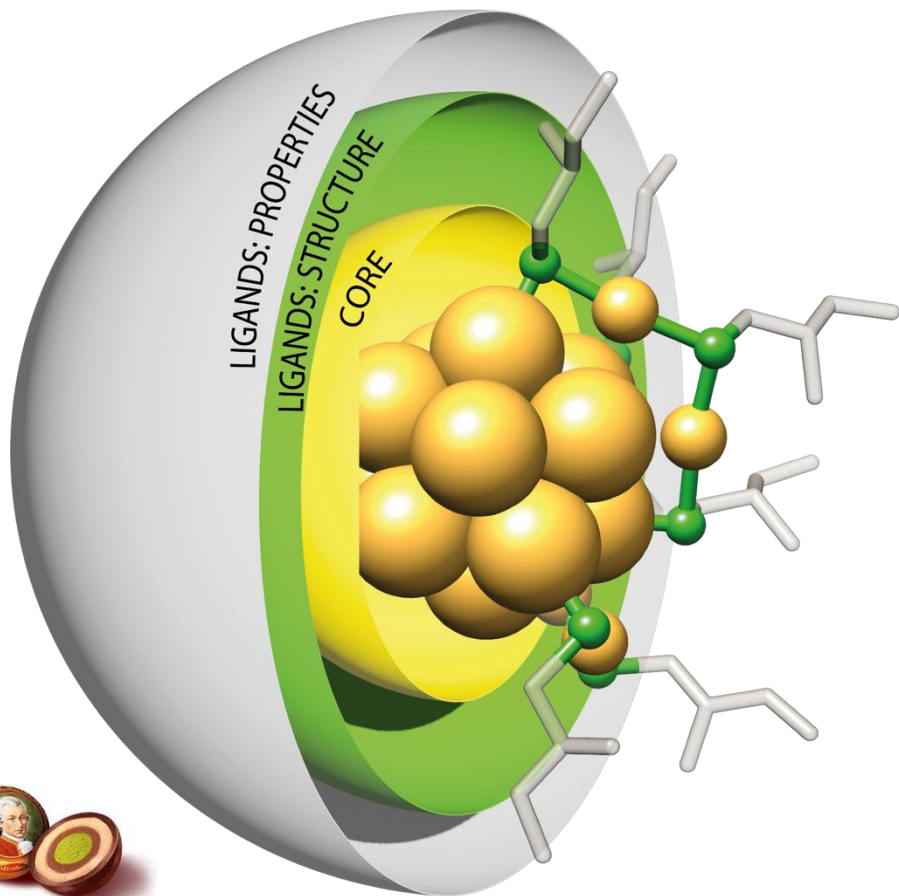
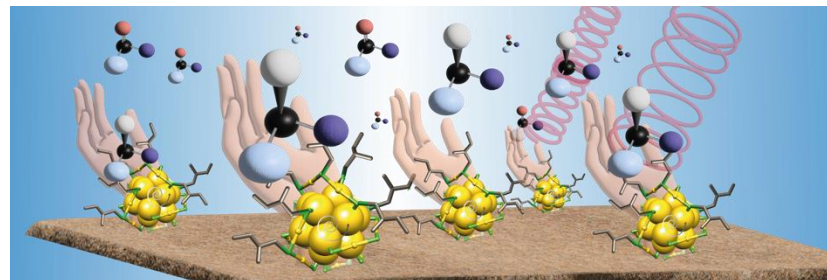
Who we are and what we do?

Nanocluster Catalysis



@Nuria Lopez

Nanocluster Chiral Catalysis



How did we start working together and how did it develop?

ISMPC
2015

FWF Austria – JSPS
Japan
2016

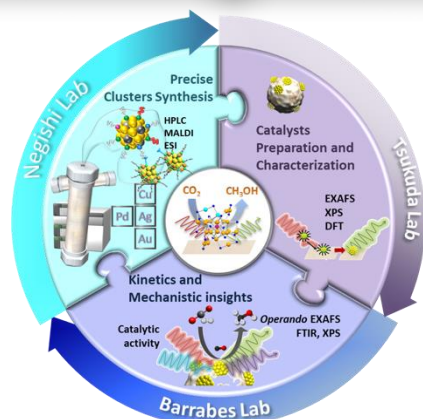
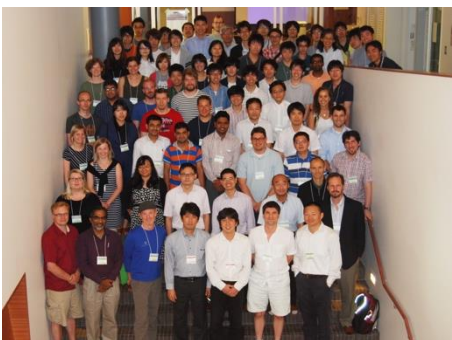
Student
Exchange
Visit Wien
2018

Student
Exchange
Visit Japan
2019

FWF
Stand
Alone
2020

Student
Exchange
2023

Student / PI
Exchange
2025



Yukari Imai



Ibuki Kobayashi



Mivu Sera

Prof. Yuichi Negishi

Department of Applied Chemistry
Tokyo University of Science

Prof. Tatsuya Tsukuda

Department of Chemistry
Graduate School of Science
The University of Tokyo



JASEC
Japan Austria Science Exchange Center

What challenges were faced during implementation?

Funding / Pandemie

What is the added value of the cooperation for Japan and Austria?

Students training in scientific and social skills (both directions)
Complementary expertise

How is work now and what are the plans for the future?

- Collaboration work with Prof. Negishi sending samples in both directions and online meetings
- Research stage planned for 2025

Noelia Barrabés
March – May 2025

Prof. Tatsuya Tsukuda

*Department of Chemistry
Graduate School of Science
The University of Tokyo*



Sebastian Mößlacher
April – June 2025

Prof. Yuichi Negishi

*Institute of Multidisciplinary
Research for Advanced Materials
Tohoku University (Sendai)*

