

## Incoming Program for Postdocs and PhD Researchers

The Collaborative Research Center 1333 “Molecular Heterogeneous Catalysis in Confined Geometries” is an interdisciplinary research center at the University of Stuttgart with 16 individual research projects involving also external partners at the Max-Planck Institute for Solid State Research, Stuttgart and at the Universities of Paderborn, Marburg and Bochum.

More than 50 researchers from catalysis, materials sciences, analytical sciences and theory collaborate to acquire the fundamental understanding of how confinement can synergistically support catalytic reactions with molecular catalysts within small mesopores. This involves the challenging tasks analyzing and quantifying how specific pore properties influence e.g. reactivity and diffusivity and which are the underlying mechanisms. Finally, we aim to develop hybrid catalyst systems that enable more efficient chemical-catalytic production processes or even open completely new reaction pathways.

More info: [www.crc1333.de/](http://www.crc1333.de/)



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### What we offer?

- Travel and accommodation for up to three months for incoming researchers in one of our working groups in Stuttgart, Marburg, Paderborn or Bochum
- The possibility to learn all methods and techniques required to do molecular catalysis in confined geometries of designed mesopores
- Access to a wide range of high-end analytical equipment, including insights into their further development

### Who can apply?

National and international doctoral researchers and postdocs (up to two years after their dissertation) Position at your home research institution required during your stay at the CRC 1333.

### Here is what we need as a proposal (1 page max):

- Title and short description of your planned project including reasons why your work there is relevant to the central research questions of the CRC 1333.
- Invitation Letter from a CRC 1333 PI
- Length and planned time of your stay
- Required maximum funding (for travel, accommodation, visa)

**We especially welcome applications of female researchers and can offer access to tailored individual mentoring and support through a career development program for female postdocs.**

**Contact:** Dr. Elisabeth R uthlein, [sfb1333@ipoc.uni-stuttgart.de](mailto:sfb1333@ipoc.uni-stuttgart.de), Tel.: 0711/ 685-61548