



- > **Scope:** Part-time 50%
- > **Temporary:** initially 2 years
- > **Remuneration:** TV-L 13
- > **Start:** from 01.12.2020

For the Institute of Surface Chemistry and Catalysis we are looking for a/an

Academic employee (m/f/d) (PhD candidate)

The project "Old materials with new functionality – Interstellar MgSiO clusters as novel and cheap catalysts" addresses the astrochemically highly relevant growth process of interstellar magnesium silicates as well as their potential as novel catalysts for sustainable hydrogen production. For this purpose we will investigate small mass-selected clusters by employing a unique combination of ion trap reaction and infrared spectroscopic experiments in the gas phase.

Ulm University with its more than 10,000 students offers varied professional tasks in a highly innovative research, teaching and work environment, at the same time facilitating the reconciliation of work and family in many ways.

We seek to increase the proportion of women in research and teaching and particularly encourages qualified female scientists to apply for this position.

Severely disabled applicants with equal aptitude will be given preferential consideration.



Your profile:

- > University degree (master or equivalent) in chemistry, physics, or related fields
- > Very good knowledge of English (spoken and written)
- > High motivation and skills for working in an interdisciplinary field
- > Willingness to participate in research stays at the Felix Laboratory, The Netherlands (1-2 stays each years for 2-3 weeks each)
- > Experience in mass spectrometry and UHV techniques is desirable

Your responsibilities:

- > Design and conduction of reaction kinetic experiments in an ion trap as well as structural characterization via infrared spectroscopy employing a Free Electron laser
- > Design, organization and realization of a project related modification of the ion trap
- > Presentation of scientific results on conferences and in journals

Seize the opportunity and join us in shaping the future of the University!

- > **Reference no.:** 20062
- > **Application deadline:** 15.09.2020

Hiring is done by the Central University Administration.

Your contact for further information:
Priv.-Doz. Dr. Sandra Lang, phone +49 731 50-25505

We look forward to your application via our **online application portal**.