

Postdoctoral Position (f/m/d)

I. Institute for Physics

The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

A postdoctoral position is available at the University of Cologne in the field of ISM research, through analysis of hydride spectra obtained in the SOFIA legacy project HyGAL. The position will be attached to the group of Prof. Peter Schilke (co- PI of HyGAL), and will work closely with Prof. David Neufeld at Johns-Hopkins University (US PI of HyGAL).

YOUR TASKS

- » You will be expected to work on the spectral analysis of SOFIA 4GREAT and ancillary data, and determination of the line parameters. This entails becoming familiar with data reduction and calibration issues
- » An important aspect will be the statistical characterization of the ISM structure through the comparison with ISM models provided by various team members

YOUR PROFILE

- » Applicants are required to have a PhD in astrophysics or a related field and experience with analysis of molecular spectroscopic data
- » Good communication skills in an international environment
- » Familiarity with modern data analysis methods

WE OFFER YOU

- » Working in an international collaboration
- » A diverse and fair working environment
- » Support in reconciling work and family life
- » Flexible working time models
- » Extensive advanced training opportunities
- » Occupational health management offers
- » Local transport ticket at a discount for UoC employees

The position is available immediately for a duration of up to three years, ending no later than 30 June 2023. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group TV-L 13 of the pay scale for the German public sector.

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

Please apply online at: <https://jobportal.uni-koeln.de>. Applicants should submit a signed covering letter with a concise description of their research accomplishments and interests, as well as a CV including a full publication list. They also should provide the names of a minimum of two academic references. The reference number is wiss2006-12. Applications received by July 20, 2020 will be given full consideration. Later applications might be considered until the position is filled.