Postdoc in Observational Extragalactic (Sub-)Millimeter/ Radio Astronomy, Astrophysics and Instrumentation (f/m/d)

I. Physics Institute

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.

Research at the I. Physikalisches Institut combines four equally important methodological pillars: observational astronomy, instrumentation, laboratory astrophysics, and theoretical astrophysics. In each of these areas we are increasingly confronted with very large data sets. As part of a strategic development aimed at structuring a research cluster with regional partners, we are looking for support for our team.

YOUR TASKS
» Research and development related to the analysis of complex datasets in (sub)millimeter and radio astronomy, produced by large scale survey instruments (e.g. CCAT-prime, APEX) and interferometers (e.g. NOEMA, ALMA, SKA, ngVLA), and/or instrumentation development/survey planning, with a focus on extragalactic studies and/or the early universe
» Scientific coordination to organize workshops/seminars/collaborations/meetings/public outreach/networking/etc. and close team collaboration
» Preparatory work (scientific nature as well as concept co-design) for and active participation in the preparation of applications for research funding

YOUR PROFILE
» You have a degree (PhD or equivalent) in physics/ astrophysics / astronomy / computer science or comparable
» Ideally, you have experience in writing research papers and scientific grant proposals
» You can think analytically and work independently, systematically and constructively, but also enjoy working in teams and have good communication skills

WE OFFER YOU
» An attractive networking position in the context of a new collaboration with other universities or research institutions
» A diverse and fair working environment
» Support in reconciling work and family life
» Flexible working time models, full-time positions suitable for job sharing
» Extensive advanced training opportunities
» Occupational health management offers
» Local transport ticket at a discount for UoC employees

The position is available immediately on a full-time basis. It is limited until 31.12.2025. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L 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 (included CV, motivation letter, short research statement (ca. 2 pages)) with proof of the sought qualifications. The reference number is Wiss2207-26. The application deadline is 31.10.2022.

In addition, 2 letters of reference are to be sent directly to Prof. Dr. Riechers Emailaddress by the deadline.

If you have any questions, please contact Prof. Dr. Dominik Riechers (riechers@ph1.uni-koeln.de).