

Job ID: IWF172PD122

The Space Research Institute (IWF) of the Austrian Academy of Sciences (OeAW), Austria's leading non-university research and science institution, is offering a

POSTDOC POSITION (F*M)
Astrochemistry in Protoplanetary Disks
(full-time, 40h per week)

The successful candidate will join the new research group founded at the IWF entitled "Planet-forming Disks and Astrochemistry" led by Dr. Peter Woitke as part of the OeAW's efforts to expand the theme of exoplanet research at the Space Research Institute (IWF) in Graz.

The Space Research Institute (IWF) is involved in about 20 missions led by the world's main space agencies. The disk group will focus on connecting astrochemistry with planet formation, and to link those theories to both astronomical and solar system observations, and here links to current and future observational campaigns with IWF contribution are highly desirable.

The candidate is expected to be an expert in at least one of the following fields

1. astrochemistry in protoplanetary disks,
2. observation of protoplanetary disks and solar system bodies,
3. links to the early solar system, planet formation, meteorites, and geology,
4. future mission involvement and project management.

The candidate is expected to contribute to the development of the disk group in Graz by submitting new observational proposals and funding applications. Observational data obtained with ground-based facilities, space-borne instruments and in-situ solar system exploration missions are to be compared to modelling results obtained with the thermo-chemical disk simulation code ProDiMo (<https://prodimo.iwf.oeaw.ac.at>), concerning, for example, the ionisation and the evolution of the chemical composition of the gas in the disk, the formation of mixed ice phases, and the material composition of the rocks forming in the disks. New suitable ESA L, M, and F space missions are to be identified, and supported by personal involvement in the international teams leading them.

The applicant must hold a PhD in Physics, Geophysics, Astrophysics, or a related field. The appointment is initially for a duration of 3 years, with the possibility of an extension for another 3 years. The appointment begins as early as June 1st, 2023, but can also be agreed to start at a later time. We offer an annual gross salary of € 54.018,02, according to the collective agreement of the Austrian Academy of Sciences.

A valid application must include (1) curriculum vitae, (2) publication list, (3) research statement - max 3 pages, (4) academic certificates, and (5) names of three referees willing to send letters of recommendation. Applications should be sent via email to cosima.muck@oeaw.ac.at (mentioning Job ID: IWF172PD122) in a single PDF file. The **closing date of applications is March 1st, 2023**, but remains open until a suitable candidate has been found. For inquiries, contact Dr. Peter Woitke (peter.woitke@oeaw.ac.at). For more information about the institute and the disk group, see <http://www.iwf.oeaw.ac.at>.

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.