

Postdoc Position: Space and Planets

The Space and Planets Group at the University of Cologne is seeking a candidate for a postdoctoral position on studies of icy moons in the outer solar system. The project will focus on the space plasma environments of icy moons and electromagnetic induction within the moons' conductive layers, such as subsurface saline oceans. Among other things, the study will use numerical simulation tools and/or perform data analysis to investigate the moons' space plasma environment including their induction responses. The aim is to provide diagnostics for a better understanding of the moons' environments and interiors such as physical properties of subsurface oceans with implications for their evolution and present dynamics. The studies will be relevant for future spacecraft measurements on these moons.

The requirements are a PhD in geophysics, physics, astronomy or related fields. Knowledge of numerical modelling tools and/or experience in data analysis are required. Funding for the position is available at least until September 31, 2027 with a starting date as early as possible (e.g., around September 2025).

The application deadline is May 30, 2025. The application should include a letter of motivation, a CV highlighting the 1-3 most important publications, and the names of two references. A link to submit the application through the Job Portal of the University of Cologne is expected to be available around the end of April 2025 on this website here.

For inquiries, please contact Joachim Saur: jsaur@uni-koeln.de