



Coláiste na Tríonóide, Baile Átha Cliath
Trinity College Dublin

Ollscoil Átha Cliath | The University of Dublin

Research Fellow in Extrasolar Atmospheres at Trinity College Dublin

We invite applications for a 3-year Research Fellow position in the area of Extrasolar Atmospheres at Trinity College Dublin (TCD), Ireland. The successful candidate will join Prof. Johanna Vos's research group in the School of Physics. The position will focus on the study of giant extrasolar worlds and is funded by a Royal Society - Science Foundation Ireland University Research Fellowship.

The ideal candidate will have expertise in observational and/or theoretical studies of brown dwarfs and/or giant exoplanets. General candidates are encouraged but preference will be given to those with experience in the techniques of atmospheric retrieval analysis and/or time-series monitoring of brown dwarfs/exoplanets. The scientific scope of the project will relate to observational and computational studies of the dominant atmospheric processes in extrasolar worlds, making use of multiple proprietary datasets from world-class facilities including the Hubble Space Telescope and James Webb Space Telescope. Applicants must have a PhD in Astrophysics or related field, or have satisfied the requirements of a PhD by the time of appointment.

The successful candidate will be encouraged to actively contribute to and interact with the Trinity Astrophysics Group, a friendly and vibrant environment where world-leading research on exoplanet systems/atmospheres, supernovae, pulsars, and light pollution takes place. Trinity's campus is located at the heart of Dublin, which hosts a number of other astrophysics research institutes with an active community in Star and Planet Formation+Exoplanets. Trinity College Dublin has access to ESO and ESA facilities such as ALMA, JWST, HST, the VLT, and soon the ELT, as well as both EU and Irish research career development opportunities, with multiple ERC/Marie-Curie and Royal Society URF fellowship awardees in the Astrophysics group. The successful applicant will have the opportunity to supervise students and gain teaching experience within the School of Physics.

The full-time position is available for three years, with an expected start date of September 1st, 2024. The starting salary will normally be in the range €42,793-€50,540 depending on qualifications and experience, plus benefits and funding for travel and relocation costs. The group has access to dedicated computing servers and high-performance computing facilities through Trinity's Research IT and the Irish Centre for High-End Computing (ICHEC).

Applicants should submit a cover letter, a CV with publication list, two letters of recommendation (max 2-pages), and a (max 3-page) research statement. Complete applications received by the application deadline of **December 31st, 2023** will receive full consideration. Applications from traditionally under-represented minorities in physics and astronomy are particularly welcome.

Applications, references, as well as any queries, can be submitted via email to astrojobs@tcd.ie – please include *Extrasolar Atmospheres Research Fellow application* in the subject heading.