



Coláiste na Tríonóide, Baile Átha Cliath
Trinity College Dublin

Ollscoil Átha Cliath | The University of Dublin

ERC 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 the ERC Starting Grant Exo-PEA (Exometeorology: Probing Extrasolar Atmospheres).

The candidate will work towards the goals of the ERC project, which aims to disentangle extrasolar weather processes such as clouds, winds and aurorae. The ideal candidate will have expertise in observational and/or theoretical studies of brown dwarfs and/or giant exoplanets. The candidate will have access to multiple observational datasets from world-class facilities including the James Webb Space Telescope and Very Large Array. 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 also become part of 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 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 group. The successful applicant will contribute to the supervision of students and have the opportunity to gain teaching experience within the School of Physics.

The full-time position is available for three years, with a nominal start date of September 1st, 2025. The starting salary will normally be in the range €46,305-€50,168 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 **January 6th, 2025** 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.