



# PhD in Astrophysics

## *Stellar winds of M dwarfs: Can red stars host habitable exoplanets?*

A PhD position is available to work on “Stellar winds of M dwarfs”. The student will work under supervision of [Prof Aline Vidotto](#) at Trinity College, Dublin, Ireland. The project involves the use of 3D state-of-the-art numerical codes to model winds of M dwarfs and assess the wind interaction with orbiting exoplanets. M dwarfs are currently the main targets in searches for potentially-habitable terrestrial exoplanets. The work will make use of magnetic maps derived from observations through the [Bcool](#) consortium and through the [SPIRou](#) Legacy Survey.

Interested candidates should send a CV, a brief statement of research interests (max 2 pages), and the names and contact details of two individuals that have agreed to provide recommendation letters to [astro.jobs@tcd.ie](mailto:astro.jobs@tcd.ie), with a subject line “Provost’s PhD Project Awards 2018”.

The position will fund a student for four years and will cover fees and an stipend of €16,000 per year. Funds for conference travel will also be available. The preferred start date is 3 Sept 2018.

The deadline for applying for this position is **18 March 2018**.

Useful links:

Prof Aline Vidotto: <https://www.tcd.ie/Physics/research/groups/vidotto/>

Trinity College Dublin: <https://www.tcd.ie/globalrelations/assets/Flipbooks/TrinityAtGlance>

School of Physics: <https://www.tcd.ie/Physics/about/>

Bcool consortium: <https://bcool.irap.omp.eu/>

SPIRou: <http://spirou.irap.omp.eu>

Trinity College Dublin has launched 40 fully funded PhD positions across a wide variety of disciplines. The 40 Provost’s PhD Project Awards are open to EU and Non-EU candidates and include an annual stipend of €16,000 for four years. These doctoral awards are generously funded through alumni donations and Trinity’s Commercial Revenue Unit. **#ProvostPhD**