



## **SUBJECT: ERC-funded post-doc position(s) in Star and Planet formation at ESO**

Up to two Post-Doc positions on observational studies of protoplanetary disk evolution and planet formation are offered. The Post-Doc researcher(s) will join the research group funded by the European Research Council (ERC) Project WANDA ([www.eso.org/~cmanara/wanda\\_erc.html](http://www.eso.org/~cmanara/wanda_erc.html)), led by Carlo F. Manara, at the ESO Headquarters in Garching, Germany.

The WANDA project aims at tackling the question on when and how exo-planets formed by investigating the origin of the ring-like and asymmetric structures observed in protoplanetary disks, the cradle of planets, and pushing such studies to the distant and massive star-forming regions, the locations that best represent the natal environments of the known exo-planets.

The WANDA team will employ a novel multi-wavelength and multi-technique observational approach, based on a combination of high-resolution spectroscopy, spatially resolved integral field spectroscopy, and high spatial resolution imaging at near-infrared and millimeter wavelengths.

The Post-Doc researcher(s) will work on optical high-resolution spectroscopy and integral field spectroscopy of pre-main sequence stars, and/or on analysis of high spatial resolution near-infrared and millimeter data. The Post-Doc researcher(s) will collaborate with the WANDA team and other collaborators at ESO, and interact with collaborators from the international ULLYSES and PENELLOPE projects (see here <https://sites.bu.edu/odysseus/> for details) and many other colleagues, while being fully inserted in the ESO science environment. Help in supervising the PhD students in the group will be an asset.

The position(s) will be funded for a duration of 3 years (36 months), with possible extensions of up to 12 additional months. Salary will be in line with typical ESO Fellow salaries. The position includes the benefits as outlined under <https://www.eso.org/public/jobs/conditions/paidassoc/> and a generous travel budget. The applicant must have a PhD in astronomy or related fields, completed before the start of the position. Expertise with optical spectroscopy and/or high spatial resolution near-infrared and millimeter data and programming (e.g. Python) is expected. We regard diversity as an asset within a team, and welcome applicants with diverse backgrounds and experiences.

The application is expected to consist of a CV (including personal data, formation, skills and expertises), list of publication, a brief (max 3 pages) statement of research interests and motivation. The candidate should arrange for up to three letters of recommendation to be sent directly to Carlo F. Manara. **The deadline for applications is April, 13th 2022**, and the selection process will start shortly after. The starting date is negotiable, but it must be between May and December 2022.

Contact for application and further information: Carlo F. Manara ([cmanara@eso.org](mailto:cmanara@eso.org))

