

Job posting: Scientific associate, Chemical Biology
Project: 'EV-Quant' (WISS2025, Land Salzburg)
100% employment, 40 hours/week
Start date: as soon as possible
Duration: initially 2 years with perspective of follow up funding



We are recruiting a **highly motivated scientist with excellent chemical and biochemical skills** to join the laboratory of Chemical Biology and Biological Therapeutics at the Department of Biosciences of the Paris-Lodron University Salzburg. The primary goal of this project will be the development of a microfluidic chip for absolute quantification of extracellular vesicles from diverse biological samples. The research will be carried out in close collaboration with partners from the Paracelsus Medical University as well as from the Biotech and Life Sciences Engineering industry and further be embedded within the wider network of the EV-TT (Extracellular Vesicle Theralytic Technologies) Center that has been built up between the Paris-Lodron University of Salzburg (PLUS) and the Paracelsus Medical University (PMU), funded by Land Salzburg and the European Union. The position will be initially for two years, with a longer term perspective in case of success.

Responsibilities:

- Development of strategies for chemical derivatisation and bioconjugation strategies for immobilization and labeling of extracellular vesicles
- Transfer to microfluidic format and iterative optimisation of chip adaptation (in close collaboration with microfluidic engineering experts)
- Application and development of single vesicle detection strategies compatible with microchip design
- Data analysis, documentation and presentation at group internal and external meetings

Minimum requirements:

- MSc degree in Chemistry, Biochemistry, Materials Sciences or related Life Sciences Discipline with substantial chemistry background
- Practical experience in organic / synthetic chemistry, surface chemistry, bioconjugations
- Excellent command of the English language
- Excellent organisational skills

Desirable additional qualifications:

- Experience in Nanoparticle research
- Experience in Microfluidics
- Experience in confocal fluorescence microscopy, superresolution imaging and/or electron microscopy

We specifically welcome applicants who:

- are enthusiastic to contribute in building up a new laboratory
- are passionate to work in an interdisciplinary team towards a common mission
- are reliable
- have the desire and aptitude to acquire new knowledge
- think creatively and critically
- are motivated by translating basic science into therapeutic applications

Salary

- Depending on education and previous work experience
- Range: 28,000 – 40,000 € p.a. gross salary

Interested?

For more information please contact Prof. Nicole Meisner-Kober (+43 662 8044 7257). Applicants should submit an application including motivation letter, curriculum vitae, list of publications, a copy of the certificate of your highest obtained degree, and contact information of two references to: nicole.meisner-kober@plus.ac.at. Applications will be accepted until the position is filled.

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