

The Paris-Lodron University of Salzburg is a thriving university in Austria with a strong focus on research. At the Department of Biosciences and Medical Biology, the Tumour Immunology Laboratory invites talented and highly gifted candidates to apply as

Doctoral Researcher (m/f/div) in Breast Cancer Research

The position (30h/week) is limited to four years. Starting date is the earliest possible.

The Tumour Immunology Laboratory contributes to the understanding of how signalling cues in the tumour immune micro-environment promote the escape of tumour cells from anti-tumour immune responses and how they promote tumour metastasis (e.g. Bolik et al., J Exp Med 2022, Rosenberg et al, J Hepatol 2022, Schumacher et al, J Hepatol 2021).

The Tumour Immunology Laboratory is currently coordinating the EU-funded consortium spaXio (www.spaxio.eu) on metastatic niches and is member of the University's Center of Tumor Biology and Immunology (www.plus.ac.at/ctbi) and the Cancer Cluster Salzburg (<https://www.cancercluster-salzburg.at/>).

We are seeking for an excellent and enthusiastic PhD student with a strong interest in tumor immunology. The project is funded by the FWF (<https://www.fwf.ac.at/forschungsradar/10.55776/PAT5136024>) and focuses on the role of A disintegrin and metalloprotease (ADAM) 17 in endothelial cells, T lymphocytes, dendritic cells and macrophages in the context of breast cancer. It investigates how ADAM17 and ADAM17-regulated signalling pathways prevent an efficient tumour-targeted immune response. To this end, the project employs appropriate breast cancer mouse models and omics technologies and interacts with university medical centres in Salzburg, Jena and Kiel.

The project will be closely aligned with the EU-funded doctoral network spaXio that focuses on metastasis research. The candidate will be embedded in the structured doctoral education at the department doctoral school PLUS (DSP) Biomolecules in Health and Disease (<http://www.plus.ac.at/biosciences/study-programs/doctorate-school-plus-biomolecules/?lang=en>).

Your profile:

- a strong interest in conducting collaborative research on the topic outlined above is paramount
- candidates are expected to be interested in multidisciplinary work
- Master's degree in biochemistry, molecular biology or related disciplines
- knowledge and experience in animal experimentation, ideally in the topic above

- knowledge of statistical methods in the context of biological systems
- excellent written and spoken English skills
- well-developed collaborative skills

We offer:

- The successful candidate will be hosted in the Laboratory of Tumour Immunology of Prof. Dirk Schmidt-Arras at the Department of Biosciences and Medical Biology in an international, dynamic team and an “open-door” atmosphere with access to state-of-the art methodology such as ultra high resolution mass spectrometry, spectral flow cytometry, spatial transcriptomics.
- The successful candidate will be enrolled in the Department’s structured doctoral education DSP BioMHD (www.plus.ac.at/biosciences/study-programs/doctorate-school-plus-biomolecules/?lang=en)
- We offer an international and multi-disciplinary environment with a flat hierarchy
- Salary is paid according to the Collective Agreement for University Employees, the successful candidate will be allocated to Employment Group B1 (Annual gross salary of at least € 52,007.20 for a fulltime position).

Further information:

Please contact Prof. Dr. Dirk Schmidt-Arras | www.plus.ac.at/schmidt-arras | dirk.schmidt-arras@plus.ac.at

Applications:

The University of Salzburg is committed to equity, diversity, and inclusion. All qualified applicants will receive consideration for employment without regard to race, colour, religion, gender, gender identity, sexual orientation, national origin, disability, or age. The University Salzburg aims to increase the proportion of women in its staff and therefore, in case of equal qualifications, women will be given priority.

Complete applications in English should include a cover letter, a CV containing a complete list of publications if applicable, a brief statement of research experiences, a certificate of study / transcript of records, and the addresses of two possible referees.

Please submit your application via the PLUS online application system (<https://karriere.plus.ac.at/en/jobs/e13fe8c5-60de-721b-04bb-68a4265ef7ff>).

The deadline for the advertisement is 17/09/2025, but applications will be reviewed on a rolling basis.