

allcyte:

Research Scientist at Allcyte GmbH

Application to be sent to: HR@allcyte.com comprising a CV and a cover letter under job code RS191.
www.allcyte.com

Allcyte is a seed-phase biotechnology startup located in Vienna, Austria. With our Pharmacoscopy[®] high content imaging platform we leverage state-of-the-art automated fluorescence microscopy and proprietary computational image analysis to profile anticancer drug activity in primary human tissues. We focus on generating unique mechanistic insights into drug action that overcome the limitations of working with mouse models or cell lines to support the efficient translation of drug candidates from bench to bedside and plan clinical trials with improved chances of success.

Work with Pharmacoscopy[®] uniquely enables us to investigate direct effects as well as immunomodulatory properties of drugs through the robust quantification of visible phenotypes in fresh primary patient samples, *ex vivo*, with single cell resolution. Properties, which we have successfully leveraged to offer our partners in the pharmaceutical industry a reliable tool to assess drug activity for pre-clinical and clinical development applications. Moreover, we integrate our existing datasets with genetics to discover new biomarkers predictive of drug action (see Schmidl & Vladimer *et al*, Nature Chemical Biology 2019). An earlier prototype of our diagnostics platform was tested in the course of the academic EXALT study run by CeMM, the Center for Molecular Medicine of the Austrian Academy of Sciences, and the Medical University of Vienna and has been able to help physicians identify highly effective personalized salvage therapies that significantly increase the response rate of late stage hematological cancer patients and prolong their progression free survival (Snijder & Vladimer *et al*, Lancet Haematology 2017). This shows that a pre-selection of drugs with Pharmacoscopy[®], prior to moving them into patients, is indeed predictive of a positive clinical prognosis.

We are recruiting a highly motivated **Research Scientist on a full-time basis** to help expand our platform's clinical reach through characterizing anticancer drug effects (both direct apoptosis inducing and immunomodulatory mechanisms) in primary human tissues samples on a molecular level. The position is geared towards initially driving in-house development programs but later also collaborations with partners from the pharmaceutical industry.

Your responsibilities will be:

- Developing and optimizing new high content imaging methodologies
- Studying anticancer drug action in primary human tissues based on previously developed assays and using state-of-the-art robotics and microscopy equipment
- Using classical techniques of molecular biology as well as cutting-edge -omics approaches to further characterize observed phenotypes on a molecular level

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- Successful organization of workflow within a team of scientists and technical assistants, following common team goals
- Providing regular project updates and reports to management
- Establishing documents and protocols to ensure reproducibility and experiment documentation according to Allcyte's Quality Management System and Good Documentation Practice

Educational background, experience and technical skills we are looking for:

- PhD or equivalent in immunology or cellular biology, with either a focus in immune response, T-cell biology, or cancer cell signalling
- Experience in successfully organizing and running scientific projects in interdisciplinary teams
- Track record of well-cited publications in a relevant field
- Basic programming skills (R, Python) and experience with Prism are appreciated
- Experience with high content microscopy and computational image analysis are a bonus
- Excellent written and spoken English skills

Personal qualities we appreciate:

- Ability to work with high accuracy, reliability, and precision, even under time pressure
- Excellent organizational skills and an analytical mindset
- Resourceful, structured, and solution-oriented thinker
- Dynamic and highly motivated team player capable of independently driving a project
- Excellent, proactive communicator
- Positive can-do attitude and a desire to make a difference

What we offer:

After your successful application, you will join our highly dynamic, international and interdisciplinary team at Allcyte from Q3 2019. You will be closely working together with a team of Computational Scientists, a Technical Assistant and, depending on your experience, you will be reporting to either a Project Leader or directly to management. You will have the unique opportunity to grow with the company both professionally and scientifically, while working to pioneer innovative therapeutic and diagnostic initiatives in oncology. We offer a minimum gross salary of 3.600€ for this full time position, in addition to milestone based incentives in line with our company milestones and goals. We are willing to negotiate overpayment based on your previous working experience and qualifications.

Vienna is a budding biotechnology hub in the heart of Europe and was voted the city with the highest quality of life in the world by Mercer for eight consecutive years. "The Economist" recently agreed to

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this as well, confirming our own conviction that Vienna is indeed a great place to live and work.

For questions, please contact: sophie.asamer@allcyte.com, Allcyte GmbH, Campus Vienna
Biocenter 5, 1030 Vienna, Austria