

Alwin Koehler and Tim Clausen (Research Institute of Molecular Pathology, IMP)

# VIP<sup>2</sup> Postdoc position available

## the interface of chromatin organization and ubiquitin signaling

Alwin Koehler (Max Perutz Labs) and Tim Clausen (Research Institute of Molecular Pathology, IMP) offer a joint postdoc project, positioned at the interface of chromatin organization, gene regulation and protein quality control.

### About the research project

The two groups have a long-standing interest – and collaboration - studying nucleosome assembly and disassembly and the role of E2/E3 signaling cascades in these processes. Though many of the nuclear players are known, the mechanistic details of their interplay are mostly elusive.

To address this point, we plan to reconstitute chromatin ubiquitination reactions and to perform an in-depth characterization of respective molecular condensates and super-complexes. This highly interdisciplinary research program will enable the candidate to work on key questions in gene regulation, i.e. how the ubiquitin-proteasome system controls chromatin architecture, nucleosome packing/recycling and gene expression.

### About the position

Benefiting from the complementary strengths of the partner labs and being part of the vibrant Vienna BioCenter Campus, the position is part of the [VIP<sup>2</sup> postdoc program](#) which provides unique training opportunities. The position also offers world-class support from on-site [service facilities](#). You will have access to state-of-the-art technology in mass spectrometry (XLMS, native MS, quantitative proteomics), structural biology (Titan Krios & Glacios cryoEM; protein crystallography), protein expression facilities (yeast, insect cells, mammalian cells), advanced microscopy, and high-performance computing infrastructure.

The Perutz and the IMP are world-class research institutes that provide outstanding support and excellent social benefits. Last but not least, Vienna is still the best city in world, offering the highest quality of living. The VIP<sup>2</sup> position is an EU-funded three-year postdoctoral fellowship program that fosters scientific excellence and independence.

### Application and contact

We consider the exciting yet ambitious research project particularly suited for students with a strong interest in the biochemistry and structural biology of dynamic protein complexes. Applications with a **cover letter, CV, and names of two references** should be sent to [manuela.steurer@imp.ac.at](mailto:manuela.steurer@imp.ac.at) until May 1<sup>st</sup>, 2021. We will then interview candidates until the position is filled.

### About the Max Perutz Labs

The Max Perutz Labs are a research institute established by the University of Vienna and the Medical University of Vienna to provide an environment for excellent, internationally recognized research and education in the field of Molecular Biology. Dedicated to a mechanistic understanding of fundamental biomedical processes, scientists at the Max Perutz Labs aim to link breakthroughs in basic research to advances in human health. The Max Perutz Labs are located at the [Vienna BioCenter](#), one of Europe's hotspots for Life Sciences, and host around 50 research groups, involving more than 450 scientists and staff from 40 nations.

[www.maxperutzlabs.ac.at](http://www.maxperutzlabs.ac.at)