MAX PERUTZ LABS VIENNA

Hallacli Lab

Postdoctoral Researcher

The Hallacli Lab is looking for a full-time postdoctoral position who will lead an ambitious projected in RNA metabolism in Parkinson's Disease.

About the Hallacli lab

Neurodegenerative diseases like **Parkinson's Disease (PD)** pose a major challenge to our aging society. At the Hallacli Lab, we study how toxic protein aggregates, especially **alpha-synuclein (α-syn)**, contribute to disease progression. Our recent work has uncovered a novel connection between α-syn and **Processing bodies (P-bodies)**—RNA granules that play key roles in RNA metabolism (Hallacli et.al, Cell, 2022). Our overarching goals are to understand how these ancient structures contribute to α-syn-induced toxicity in neurons, how α-syn modulates RNA metabolism in the cell and how RNA metabolism is perturbed in PD.

About the position

The successful postdoctoral candidate will lead to understand how RNA metabolism is affected in Parkinson's disease models, mostly human iPSC derived neuroglial models. The candidate will work in a highly collaborative environment with support from internationally recognized experts in the field. The position is fully funded for 3 years. The collaborative aspect of this project is essential. The compensation will be in accordance with the FWF guidelines (40 hours/week and Postdoctoral compensation). The working language is English. The position will start in June, 2026.

About the candidate

The successful candidate will possess strong expertise in RNA biochemistry and protein–RNA interactions, with demonstrated experience in high-throughput RNA sequencing approaches. Experience with methods such as CLIP-based techniques (e.g., HITS-CLIP, iCLIP, eCLIP) and ribosome profiling is highly desirable. Applicants must have hands-on experience in human cell culture, and experience with induced pluripotent stem cell (iPSC) models will be considered a strong advantage. Familiarity with neurodegenerative disease models or mechanisms is also beneficial. Candidates should have experience with gene editing technologies, such as CRISPR-based approaches, and must demonstrate a strong publication record in the RNA field. The ideal candidate will be independent, intellectually curious, and highly motivated, with the ability to design and lead research projects while working collaboratively within the lab and with the collaborators.

How to apply?

Are you interested? Send your detailed **CV** showcasing your experimental skills and your lab experience. Please include a **motivation letter** explaining your background, your interests and your career goals. Include contact details of **at least two references**. Please write "Postdoc 2026" in the subject title and email to erinc.hallacli@maxperutzlabs.ac.at.

About the Max Perutz Labs

The Max Perutz Labs are a leading 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 40 research groups, involving approximately 450 scientists and staff from more than 50 nations. For more details, see https://www.maxperutzlabs.ac.at/