

Djinovic Lab

Postdoctoral Positions:

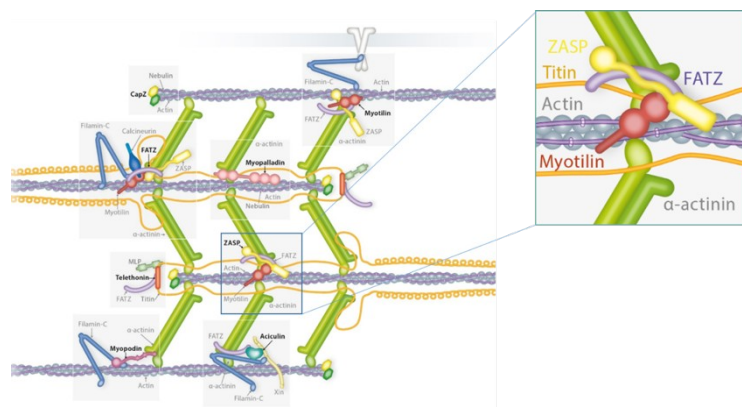
Structural biology of the sarcomeric Z-disc assemblies

About the Djinovic lab

The [Djinovic group](#) is interested in the molecular mechanisms underlying the architecture and assembly of Z-discs, the boundaries between adjacent sarcomeres of striated muscle. We aim to elucidate the structure, hierarchy and cooperativity of interactions that lead to highly ordered, albeit plastic assembly able to transmit force along myofibrils.

About the position

We are seeking highly motivated postdoctoral fellows to structurally characterize several important protein complexes forming the interactome of the major players of the Z-disc of striated muscle: alpha-actinin, titin, F-actin, ZASP, myotilin, FATZ. We employ an integrated approach by combining biochemistry, cell, chemical and structural biology approaches, including X-ray crystallography, small angle scattering and (starting) cryo-EM. The successful candidates will be involved in all aspects of the project, including protein expression, purification, biophysical, biochemical characterization and structural biology.



Candidates

The applicants should hold a recent PhD degree in a relevant field with a structural biology experience. Strong background in molecular cloning, expression, and purification of protein complexes is essential. Prior knowledge of crystallography and/or single-particle electron microscopy is needed. Excellent spoken and written English are required. New PhD graduates are encouraged to apply.

The successful applicants will work in a stimulating scientific environment: the [Department for Structural and Computational Biology](#) at the [Max Perutz Labs](#), a joint venture between the University of Vienna and the Medical University of Vienna. The Labs are located at the [Vienna BioCenter](#), the largest molecular life science hub in Austria. We are equipped with *state-of-the-art research infrastructure* for experimental and computational work, and have access to facilities at the [Vienna BioCenter Core Facilities](#), which includes mass-spectrometry, a blend of Protein technologies and electron microscopy instruments (Glacios). The group has in addition access to cryo-EM Titan-Krios through BAG at Diamond and to major European synchrotron high brilliance X-ray sources.

Application

The application should consist of the following:

1. A motivation letter (**max 1 A4**), where you highlight why you want to join the lab.
2. The Curriculum Vitae with concise description of research experience, including a list of published peer-reviewed articles.
3. A copy of the PhD diploma (or equivalent).
4. Contact details of three references, of which one should be your PhD supervisor.

Please prepare the application as a single package in PDF format, and send it to admin.vbc5@univie.ac.at, subject Postdoctoral position in Djjinovic Lab.

Closing date: **June 15th**

Contact

Further information can be obtained from Kristina Djjinovic Carugo kristina.djjinovic@univie.ac.at.

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