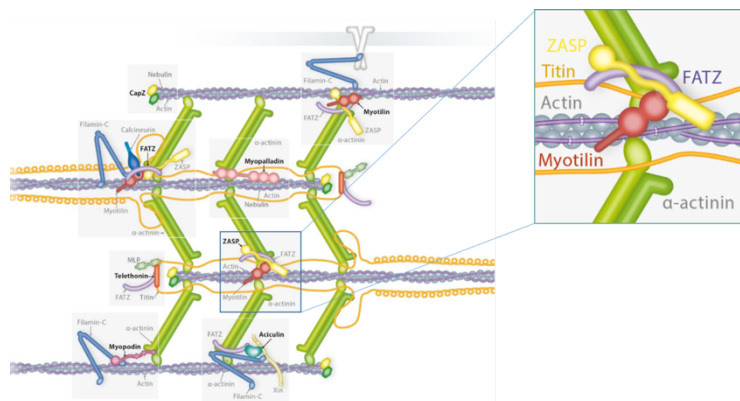


Postdoctoral Positions: Structural biology of the sarcomeric Z-disc assemblies in Max Perutz Labs in Vienna

[Djinovic group](#) is interested in the molecular mechanisms underlying the architecture and assembly of the 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.

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.

Qualifications and experience: 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 Ph.D. graduates are encouraged to apply.

The successful applicants will work in a stimulating scientific environment: [Department for Structural and Computational Biology](#) at [Max Perutz Labs](#), a joint venture between University of Vienna and Medical University of Vienna. The Labs are located at [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 [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.

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. Copy of the PhD diploma (or equivalent).
4. Contact details for 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>](mailto:admin.vbc5@univie.ac.at), subject Postdoctoral position in Djinovic Lab.

Further information can be obtained from Kristina Djinovic Carugo kristina.djinovic@univie.ac.at.

Closing date: March 15th, review of applications begins immediately, and will continue until the position is filled.