

Dear cryoEM community,

The Boland & Loewith labs at the Department of Molecular and Cellular Biology at the University of Geneva (UNIGE), Switzerland are seeking to appoint a joint postdoctoral fellow.

The two labs use structural biology methods together with complementary biophysical techniques (proteomics, light microscopy, expansion microscopy, microfluidics, etc.) and molecular genetics to address complex biological questions in the field of cell metabolism and physiology. The candidate should have a strong background in electron cryo-tomography and in cryo-EM single particle analysis. The successful candidate will have access to all instruments available at the *Dubochet Center for Imaging* (DCI), one of the most modern and best equipped cryoEM hubs in Europe.

We offer:

The DCI is a joint initiative of the Universities of Geneva, Bern, and Lausanne, as well as the EPFL. The DCI offers access to several state-of-the-art microscopes, such as a TFS Talos Arctica, two TFS Glacios and four TFS Titan Krios G4 microscopes. All high-end instruments are equipped with modern Falcon 4i detectors, Cold-FEG electron sources and SelectrisX energy filter. FIB-milling instruments are available and future investments into the infrastructure, especially for *in situ* tomography studies are planned.

The UNIGE ranks among the world's top scientific universities. Geneva is a beautiful, vibrant and highly international city on the shores of the scenic Lake Geneva. Geneva frequently ranks amongst the cities with the highest life quality in the world! The UNIGE is committed to being an equal opportunity employer. The position is fully funded and offers a very competitive salary.

Start date:

The position is available from May 2023, but the start date is flexible. Applications should be sent to Andreas.Boland@unige.ch or Robbie.Loewith@unige.ch and include a Cover letter, CV, and the contact information for two references.

Related work references:

Tafur I, Hinterndorfer K, Gabus C, Lamanna C, Bergmann A, Sadian Y, Hamdi F, Kyrilis FL, Kastritis PL, **Loewith R.** (2022) *Cryo-EM structure of the SEA complex.* **Nature.**

Yu J, Raia P*, Ghent CM*, Raisch T*, Sadian Y, Sabala PM, Barford D, Raunser S, Morgan DO, **Boland A.** (2021) *Structural basis of human separase regulation by securin and Cdk1-cyclin B1.* **Nature.**

Boland A, Martin TG, Zhang Z, Yang J, Bai X-C, Chang L, Scheres S, Barford D (2017) *Cryo-EM structure of a metazoan separase-securin complex at near-atomic resolution.* **NSMB.**

Prouteau M, Desfosses A, Sieben C, Bourgoint C, Lydia Mozaffari N, Demurtas D, Mitra AK, Guichard P, Manley S, **Loewith R.** (2017) *TORC1 organized in inhibited domains (TOROIDs) regulate TORC1 activity.* **Nature.**

With kind regards,

Andreas Boland and Robbie Loewith