

## Recruitment level: Engineer/Technician in cell and molecular biology

### Supervisor:

Name: Prof. LADOUX BENOIT  
E-mail: benoit.ladoux@fau.de

### Host Laboratory:

Affiliation: FAU & Max Planck  
Lab Name : Max-Planck-Zentrum für Physik und Medizin  
Address : <https://mpzpm.mpg.de/>

The newly founded Chair of Biophysics Professor Benoit Ladoux (Alexander von Humboldt professor) is looking for a technician/engineer in cell and molecular biology (m, f, d) to start as soon as possible. We are looking for an organizational talent who can optimally support the internationally oriented chair, serve as lab manager, and take over the general scientific organizational tasks in the lab. The chair is located in the new building of the Max Planck Center for Physics and Medicine in Erlangen.

**Environment:** The position is open to recruitment to a team under construction which will be composed of international PhD students and post-docs, biologists and physicists. The team's research focuses on studying the relationship between biological responses of animal cells and physical forces, and how the mechanical environment affects cell functions at the biology-physics interface.

**Missions:** Carry out experiments in molecular and cellular biology: (production and purification of recombinant DNA; construction of expression vectors; production of retroviruses; culture of eukaryotic cells; immunofluorescent labeling; etc.).

Cultivate and perform experiments on intestinal organoids.

Submit the project results to the project managers and actively take part in discussions regarding the results.

Manage stocks, interface with suppliers, and manage orders.

**Skills required:** theoretical and practical knowledge of current experiments in Molecular Biology (construction of expression vectors, DNA production, bacterial transformation, production of defective retroviral particles), Cell Biology (animal cell culture, organoids, transfections, immunolabeling, fluorescence microscopy), Biochemistry (extraction and analysis of proteins by SDS-PAGE and Western blot, Immunoprecipitations, and GST pull-down).

**Additional skills:** interest in working in a multi-disciplinary environment, openness to physics making dialogue with physicists possible, fluency/very good knowledge of English.

**Job location:** Lehrstuhl für Biophysik (Prof. Ladoux), FAU Erlangen-Nürnberg at the new building of Max-Planck-Zentrum für Physik und Medizin (<https://mpzpm.mpg.de/>)

**Paygrade:** E13

**Temporary employment for two years**, with the possibility of extension.

### Full time employment

Please send your application documents (application letter, CV, training and employment references) in electronic form (as ONE PDF-file) to Benoit.Ladoux@fau.de

**The application deadline is: 31.07.2024**