

## Postdoctoral Researcher Position in Ultrafast Spectroscopy

The Feldmann Lab at EPFL combines ultrafast magneto-chiroptical spectroscopy and materials chemistry to transform the way we produce and consume energy as a society.

For this, we explore the concept of symmetry breaking in novel soft semiconductors and nanomaterials to control charge, spin and light with these printable materials.

We work on uncovering the design rules which enable the next generation of cheap, efficient and flexible solar cells & ultra-bright displays, and unlock entirely new applications in quantum information technology. For more information, please check out [www.feldmannlab.com](http://www.feldmannlab.com).

Our international, diverse team features chemists, physicists, materials scientists, electrical engineers and computer scientists alike, in order to tackle the biggest fundamental and applied research questions together. Some of the questions we find interesting right now are outlined [here](#).

Your detailed research plan (e.g. on chirality, solar, light emission, spin selectivity, quantum tech., or spectroscopy development) will be determined based on *your* personal interests together.

We offer:

- An internationally competitive salary ([current rates](#) are likely to increase next year)
- World-class, brand-new labs with [unique spectroscopy tools](#), some of which we have developed
- Location near the Swiss Alps in one of the places with the highest quality of life worldwide
- A team that is warm, welcoming, and fun to work with

As a new addition to our team, these are the things we are looking for in you:

Mandatory skills:

- A PhD with **extensive experience in ultrafast optical spectroscopy** (e.g., TA, FLUPS, optical pump-THz probe, TR-MOKE, etc.)
- Team spirit: the desire to share your experience with others in the group, to mentor younger group members, and not to be afraid to seek help and learn from your teammates
- Excellent spoken and written English language skills

A plus would be:

- Experience with magneto-optical measurements; work on magnetic materials
- Experience with chiroptical spectroscopy; work on chiral materials
- Experience with optoelectronic devices or materials, e.g., involving small molecules, polymers, self-assemblies, nanocrystals, halide perovskites, etc.
- A track record of a previously acquired fellowship/the desire to apply for one with Sascha

Please apply to Sascha directly *via* email to [feldmann@cantab.net](mailto:feldmann@cantab.net) using the subject line “*Postdoc application for EPFL – Your Name*”. Your application can only be considered, if you provide in a single pdf-document: a brief statement of motivation (max. 1 page), your CV, incl. full list of publications, and the contact details of 2 to 3 references that are prepared to be contacted. Applications will be considered until the position is filled. Earliest start date: June 2024.



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