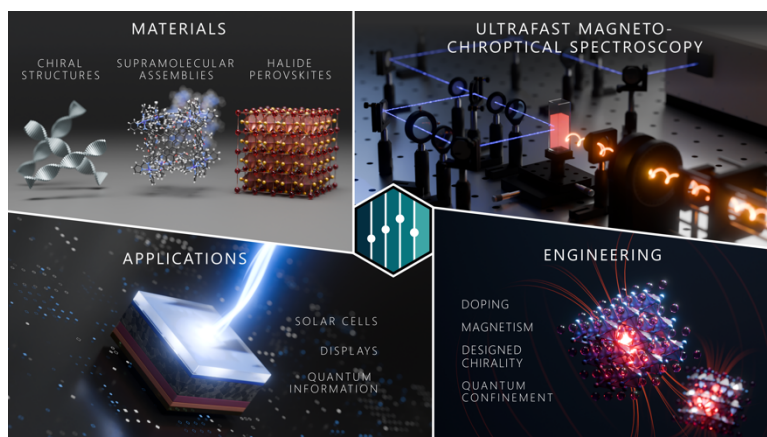


## PhD Position in Ultrafast Spectroscopy of Nanomaterials

The Laboratory for Energy Materials 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 to 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, to tackle the biggest fundamental and applied research questions together.



Your detailed research topic (e.g. on chirality, light emission, synthesis vs. photophysics focus, spin dynamics, or quantum tech) will be determined based on *your* personal interests together with *you*.

We offer:

- an internationally competitive salary (current rates [here](#))
- world-class, brand-new synthesis labs & laser labs incl. some spectroscopy techniques, which are unique to our lab (full list [here](#))
- living around the Swiss Alps, known for some of the highest quality of life worldwide
- a team that is warm, welcoming, social and fun to work with

Mandatory skills required:

- a degree in chemistry, physics, materials science or a related discipline with excellent grades
- an interdisciplinary mindset: being keen on both materials synthesis *and* characterization
- team spirit: the desire to share your experience with others in the group, and never to be afraid of seeking help and learn from your teammates
- excellent spoken and written English language skills and the desire to apply for scholarships

A plus would be:

- initial experience in materials synthesis
- initial experience in spectroscopy and working in a laser lab
- initial experience in optoelectronic device fabrication, e.g. LEDs, lasers, solar cells, etc.



Please apply directly *via* email to [sascha.feldmann@epfl.ch](mailto:sascha.feldmann@epfl.ch) using the subject line “*PhD application – Your Name*”. Your application will only be considered, if you attach as a single pdf-document:

A brief statement of motivation (max. 1 page), your CV, incl. a full list of publications, grades, scholarships, prizes, and the contact details of 1 - 2 academic references that are prepared to be contacted. Applications will be considered until the position is filled. Earliest start date: August 2025.