

Are you interested in pursuing postdoctoral research on solution-processed semiconductors/optoelectronics via the Marie Skłodowska-Curie or Humboldt Research Fellowship frameworks?

Together, the Deibellab and KahmannLab are seeking talented and motivated candidates to collaborate on multidisciplinary topics that cover the following examples or related research challenges:

1. Photophysics of novel hybrid perovskite materials and their use in light-emitting diodes
2. Synthesis and application of non-toxic colloidal quantum dots
3. Novel concepts for organic photovoltaics
4. Intrinsic stability of non-fullerene based organic solar cells
5. The impact of energetic disorder on the fundamental processes in organic solar cells or perovskite/quantum dot LEDs

Candidates with experience in device processing, characterization by optical and electrical methods and detailed knowledge of semiconductor physics are encouraged to apply.

We offer state-of-the-art processing and wet chemistry facilities as well as access to all common analysis techniques required in materials science (e.g. X-ray diffraction, electron microscopy, photoemission spectroscopy) and advanced methods for the electrical and optical characterisation of LEDs, solar cells, and other thin film electronics.

Further information can be found on our websites: www.kahmannlab.com & <https://www.tu-chemnitz.de/physik/OPKM/opkm.php>

We are committed to supporting you in preparing a strong application based on our successful track record of previous applications.

The Marie Skłodowska-Curie Postdoctoral Fellowships call will open soon, on 8th of May 2025. For more details about the upcoming call, visit: <https://marie-sklodowska-curie-actions.ec.europa.eu/calls/msca-postdoctoral-fellowships-2025>

The Humboldt Research Fellowship is open all year round with three selection sessions in March/July/November. Further info can be found here: <https://www.humboldt-foundation.de/en/apply/sponsorship-programmes/humboldt-research-fellowship>

To express your interest, please email your CV and your brief description of your research ideas related to the outline topics to fellow@physik.tu-chemnitz.de with "MSCA PF" and/or "Humboldt" in the subject line. Selected candidates will be contacted via email in due time.