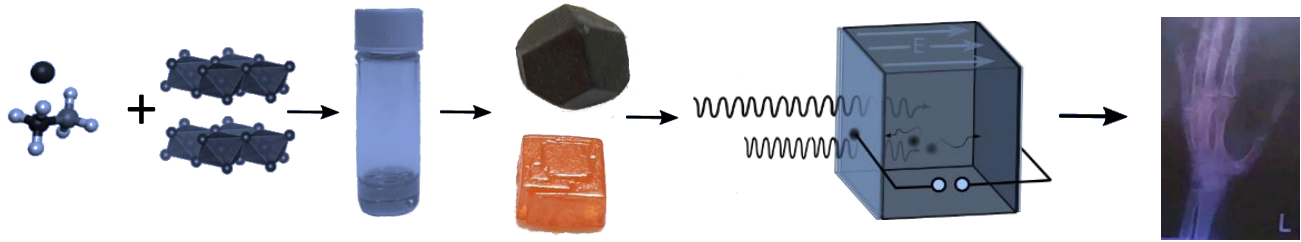


## Ph.D. Position on Novel Radiation Detectors (f/m/d)



### Your project:

- Growth and characterization of halide Perovskite, double perovskite and rudorffite single crystals
- Development and optimization of perovskite-based radiation detectors
- Advanced characterization of their working- and degradation-mechanisms

### Required skills and experience:

- B.Sc. and M.Sc. in Physics/Chemistry or equivalent
- Great enthusiasm for science and a keen interest in novel radiation detectors for medical imaging
- Preferably experience with halide perovskites, radiation detectors, single crystal growth

### We offer:

- Device development crosslinked with advanced electrical, optical & structural characterizations
- Open space for new ideas and interdisciplinary studies within a highly motivating and friendly team
- Salary according to 65% TVÖD E13, position limited to 3 years
- Equal opportunities regardless of gender, age, ethnic origin or religion. We welcome applications of disabled candidates who will be given preference in case of equal qualification.

### We are:

The (Radiation-) **Tolerant Electronics with Soft Semiconductors (ROSI)** Freigeist Group is an interdisciplinary research group at the University of Potsdam within the Soft Matter Physics department. Funded by the Volkswagen Stiftung we investigate novel soft semiconductors for (Radiation-) Tolerant Electronics and thereby span from fundamental research to concrete technologies. Our Visions range from Novel Radiation Detectors to enable Medical Imaging that lowers the radiation exposure for patients while increasing image quality to novel space photovoltaics with unparalleled power/weight ratios based on perovskite single and multijunction solar cells.

### Join us today!

Interested candidates are encouraged to mail their CV and motivation letter to Dr Felix Lang

([felix.lang.1@uni-potsdam.de](mailto:felix.lang.1@uni-potsdam.de)). More information can be found at

<https://www.unipotsdam.de/de/pwm/rosi-group>