

PHOTONICS IRRADIATION EXPERT (F/M/D)

YOUR TASKS

Within this position, you will be responsible for the joint development of photon-based irradiation processes for production of our battery cell components, including final product performance, corresponding manufacturing devices and industrialization aspects. You will contribute to the development and IP creation of key materials and processes. You will supervise and manage corresponding developments by our team members, external partners or industrial suppliers within your specialist domain. Are you an experienced RTP, FLA, Laser-beam annealing/treatment & multi-disciplinary Photonics Expert and you aim for efficient development processes, pragmatic approaches to solutions and a goal-oriented implementation of projects? Then become part of one of the most innovative high-tech start-ups in Berlin.

OUR REQUIREMENTS

- Good knowledge in Photo-chemistry and Material Chemistry (Organic and Inorganic)
- In-depth understanding of interaction between Visible/UV and chemical compounds
- Experience in optical spectroscopy
- Familiarity with Operation of an optics lab and corresponding measurement equipment
- Initial experience in the field of instrumental analysis and data evaluation

YOUR PROFILE

- Expertise in Photonics and/or “hard” radiation
- PhD and/or long experience as scientist or engineer in photonics, radiation, polymer science, material science, demonstrated with at least one relevant first-author publication
- Photonic or other radiation-based triggering of chemical reactions
- Post-mortem and in-situ evaluation of battery cell components
- Ability to work independent and take initiative to achieve company goals
- Fluent knowledge of English

OUR JOINT GOAL

We offer you the opportunity to work on the development of our revolutionary battery technology as part of our core team. You will receive a high degree of responsibility and freedom to take decisions in a dynamic working environment on the threshold of industrialization.

ABOUT THEION

Headquartered in Berlin, Germany, Theion GmbH is entering the mobile battery market with a unique solution for the biggest energy storage problems of the world. Theion designs and produces Crystal Batteries for applications from aerospace, portable devices, wearables, to vehicles on land, sea and in the air. By using sulfur in its crystal form, an abundantly available material, without harmful mining and at 99% lower cost than state-of-the-art cathode materials, Theion's cells are targeting to triple the energy density, extending usage time and range by factor three.

Interested? Then contact us with your complete application documents via career@theion.de

Reference: s02_Photonics_Irradiation_Expert