At the Center for Molecular Bioengineering (B CUBE), an institute of the Center for Molecular and Cellular Bioengineering (CMCB), the Junior Research group Multi-scale Analysis (Dr. Igor Zlotnikov) offers a position, subject to resources being available, as

**Research Associate / Postdoc**

**Synthesis and structural characterisation of perovskite nanostructures**

(Subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **01.06.2020**. The position is initially limited for a 18 months period. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification.

**Tasks:** The main responsibilities will be to perform chemical solid-state transformation and synthesis of lead halide perovskite nanostructures. The morphologically and crystallographic characteristics of the synthesised materials in 3D will be investigated using state-of-the-art imaging FIB/SEM-based and X-ray based imaging and analysis methods.

**Requirements:** university and PhD degree preferably in the fields of materials science, chemical engineering and chemistry. Qualifications should include extensive experience with nano-scale structural and crystallographic characterisation of materials using electron microscopy- and X-ray-based imaging and analysis methods. Strong writing skills with a proven track record of successful research and publication is essential also as excellent communication skills in English as this is the colloquial language at the research center. Previous experience working with lead halide perovskites and calcium carbonates is an advantage.

For further information about the institute see [www.tu-dresden.de/bcube](http://www.tu-dresden.de/bcube).

Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your complete application with the usual documents by **18.05.2020** (stamped arrival date of the university central mail services applies), preferably via the TU Dresden SecureMail Portal [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending it as a single pdf document to igor.zlotnikov@tu-dresden.de or to TU Dresden, B CUBE, Herrn Dr. Igor Zlotnikov, Tatzberg 41, 01307 Dresden. Please submit copies only, as your application documents will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

**Reference to data protection:** Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: [https://tu-dresden.de/karriere/datenschutzhinweis](https://tu-dresden.de/karriere/datenschutzhinweis)