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## **Ph.D. Position (f/m/d) in Theoretical Physics of Perovskite Materials**

Our research group on **Theory of Functional Energy Materials** is based at the Department of Physics, TU Munich (TUM), and supported via a prestigious Sofja Kovalevskaja award – see our website [www.theoFEM.de](http://www.theoFEM.de) for more information.

We offer cutting-edge **theoretical and computational work** on very exciting material systems: **halide perovskite compounds** are extremely relevant for efficient **solar cells** and in this project will be studied in close collaboration with **experimental partners from the University of Oxford**. We are a young and dynamic team working on a wide range of molecules and materials following an interdisciplinary scientific approach. Our group has many international collaborations and is embedded in the **e-conversion excellence cluster at TUM**, a large-scale network of leading groups working on fundamental processes and materials design for energy applications. TUM has continuously been rated as one of the **top universities in Germany** and one of the **best universities for physics in Europe**. Munich is among the cities with the **highest quality of living worldwide** and the **vibrant Garching campus** hosts several renowned research institutions and a lively start-up scene.

We are looking for highly motivated students with very strong interests in pursuing **theoretical research on theory of materials**, who are excellent **team players** and have an **M.Sc. degree in physics or chemistry**. Experience with **electronic-structure or quantum-chemistry techniques, computer and programming skills (Fortran, python, C, etc.)** as well as a high proficiency in English are a must.

To apply, please send your curriculum vitae, a transcript of your M.Sc. degree, and a brief statement that explains your motivation for pursuing a Ph.D. (all in English) to Prof. David Egger by email:

**david.egger@tum.de**