

Postdoc Research Group Ibáñez

Full Time

| Klosterneuburg (Vienna), Austria

| € 57.680 gross/year*

IST Austria is growing. Grow with us!

IST Austria is a growing international institute for conducting frontier research in mathematics, computer science, and the life and physical sciences. We recruit passionate professionals from all over the world and from all fields who support our goals of excellence in research and science management. Located on a beautiful campus on the outskirts of Vienna, we offer numerous opportunities for personal growth in a stable working environment. [Get an insight!](#)

Postdoc position: Computational scientist to evaluate thermoelectric materials

A senior postdoc position is opening in the research group of Professor Maria Ibáñez with a focus on: **Theoretical investigations in thermoelectric material research mainly focus on first-principle-based strategies.** The research task will include: Calculation of transport properties in thermoelectric materials, high-throughput density functional theory calculations, Machine learning and the analysis of material properties.

The Ibáñez group develops novel functional nanomaterials using precisely designed nanocrystals as building blocks and investigates their properties as function of their finely tunable nano-features. In this way, we are able to create a new generation of complex materials in which components and functionalities can be defined in a predictable way. Beyond fundamental studies in nanocrystal synthesis, surface chemistry and assembly, the group also aims to provide high-efficiency cost-effective thermoelectric materials.

Your profile

- PhD in Material Science, Nanoscience, Chemistry, or Physics
- Extensive experience in first-principle-based strategies
- Understanding of applied first principle methods to understand and predict material thermoelectric properties
- Excellent communication and presentation skills
- High motivation and a proven ability to conduct independent research, as well as to work effectively as a member of a research team
- Ability to mentor PhD students
- Excellent command of English (working language)

Application documents: motivation letter, CV, and the name of three referees; **flexible start date**

To submit your application please email: mibanez@ist.ac.at

* This position comes with possible overpayment depending on education, qualification and work experience. IST Austria processes your personal data in accordance with the law. For more information, please refer to www.ist.ac.at/data-protection.

Your benefits



Education & training



Cafeteria



Childcare



Free shuttle bus



Multiple health offers



Pension insurance