

Postdoc Research Group Ibáñez

Full Time

| Klosterneuburg (Vienna), Austria

| € 56,000 gross/year*

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Postdoctoral position

A postdoc position is opening in the research group of Professor Maria Ibáñez with a focus on: **Study of temperature-induced transformation in nanostructured materials by high-resolution transmission electron microscopy.**

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 advanced transmission electron microscopy (TEM)
- Capacity to produce 3D atomic models of the materials studied
- Experience in *in-situ* experiments in the TEM will be highly valued, especially with a temperature-controlled TEM holder
- Experience with semiconductor materials, mainly metal chalcogenides
- 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
- 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.

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