

# Postdoc Research Group Cheng

Full Time

| Klosterneuburg (Vienna), Austria

| € 56,000 gross/year\*

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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!](#)

The **Cheng group** is particularly interested in developing methods to extend the scope of atomistic simulations, in order to understand and predict materials properties that are hard to access. The group deploys and designs a combination of techniques ranging from machine learning, enhanced sampling, path-integral molecular dynamics, and free energy estimation. The successful candidate will use and develop state-of-the-art methods, including machine learning techniques and advanced molecular dynamics, to study thermodynamic and transport properties of technologically-relevant systems such as molecular crystals, superionic conductors, and solutions.

## Your profile

- A PhD in Chemistry, Physics, Material Science, or related fields
- Expertise in one or more areas of atomistic modelling, statistical mechanics, electronic structure methods, scientific programming, and machine learning
- Solid publication record matching the current career stage
- Experience with high-performance computing
- 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 Deadline: flexible start date

**Application documents:** one-page cover letter, CV including publication list and the contact information of two referees to [bingqing.cheng@ist.ac.at](mailto:bingqing.cheng@ist.ac.at), with "HIRING POSTDOC" in the subject line. Evaluation of candidates will start immediately, and continue until the position is filled.

## Your benefits



Education & training



Cafeteria



Childcare



Free shuttle bus



Multiple health offers



Pension insurance

\* 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](http://www.ist.ac.at/data-protection).