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IST Austria is a constantly growing international institute for conducting frontier research in the life, physical, and formal sciences, located in Klosterneuburg on the outskirts of Vienna. As employees of the administration and the Scientific Service Units, we strive to support IST Austria's scientists in performing excellent research.

Postdoc (f/m)

The Hannezo group is interested in understanding how cells "know" how to make the right decisions at the right time and at the right place during development and normal tissue homeostasis, as well as how these decisions are dysregulated during cancer initiation. We use methods ranging from mechanics and active hydrodynamics to population dynamics and statistical physics, to develop new theoretical frameworks, and in the context of collaborations with biologists.

Responsibilities

- Developing theoretical descriptions of biological processes, often in the context of collaborations with teams of experimental biologists.
- Examples of problems we work on at three different scales are: 1/ how do cytoskeletal elements, which generate forces within cells, self-organise into complex spatio-temporal patterns, 2/ how do cells concomitantly acquire identities and shape a tissue during development, 3/ how are complex tissue architectures derived from simple physical laws and self-organising principles, using branching morphogenesis as a prototypical example, and the framework of branching and annihilating random walks.

IST Austria

- Offers challenging positions in a dynamic and growing organization
- Supports learning and development
- Provides flexible working times and numerous fringe benefits
- Promotes an international and open culture
- Supports an appreciative and respectful work environment
- Values diversity and is committed to equality

Requirements

- Looking for highly motivated postdocs with a strong interest in biophysics.
- Both a strong theoretical background, but also the curiosity and motivation to answer specific biological questions.
- PhD in theoretical physics, biophysics, or applied math.
- We all use English for communication in our group.

Apply now

To apply for this position, send your CV and names of two references) by e-mail to:

Prof. Edouard Hannezo
edouard.hannezo@ist.ac.at

We offer a starting salary of EUR 50,000 to 55,000 gross/year for full time, with possible pay increase depending on education, qualification and work experience.

