**Postdoc**

**Research Group Kaloshin**

Full Time  |  Klosterneuburg (Vienna), Austria  |  € 53,500 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!](https://ist.ac.at/en/research/kaloshin-group/)

The group of Vadim Kaloshin is looking for outstanding postdoctoral candidates interested in working on problems in mathematical physics and Hamiltonian dynamics. Candidates with a strong background in dynamics and micro local analysis are encouraged to apply.

Current research topics in the Kaloshin group include various questions related to spectral rigidity for convex planar domains. Many of these questions are motivated by the famous question popularized by M. Kac “Can you hear the shape of a drum?” and closely related to properties of the billiard inside of the aforementioned domain.

In a different direction, the group investigated the dynamics of asteroids in Kirkwood gaps of the asteroid belt governed by Newton's laws. For more information visit [https://ist.ac.at/en/research/kaloshin-group/](https://ist.ac.at/en/research/kaloshin-group/)

**Your profile**

- PhD in mathematics or mathematical physics
- Teaching experience of advantage (Postdocs will teach one semester course per year)
- Committed to research excellence with a demonstrated relevant publication track record in leading scientific journals
- A proven ability to conduct independent research, as well as to work effectively as a member of a research team
- Enthusiasm about mentoring graduate students
- Excellent command of English (working language)
- Ability to solve problems creatively and carefully
- Excellent verbal, written, communication, interpersonal, organizational and time management skills

**Application Deadline:** January 15, 2021

**Application documents:** CV, statement of research experience, publication list, three references

To submit your application please email: vadim.kaloshin@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](https://www.ist.ac.at/data-protection).