

PhD Position in Complex Systems Science

Part time (30h)

Medical University of Vienna & CSH Vienna

€ 31.000 gross per year



3-YEAR PHD POSITION IN COMPLEX SYSTEMS SCIENCE

Non-equilibrium statistical mechanics of complex systems

WE SEARCH FOR

Excellent young and committed scientists with a MSc or equivalent in (theoretical or computational) physics, mathematics, computer science, data analytics or related fields. The candidate should have basic knowledge in network theory, data analytics and computational methods.

YOUR PROFILE

You should have research experience at the level after completion of your MSc degree or equivalent, and background in theoretical physics/applied mathematics. We expect your ability of independent research, exemplified by a number of high-quality publications (if available) that showcase also your strong programming and mathematical skills. You must be proficient in English both written and spoken. We expect you to have a critical, open-minded and collaborative spirit.

WE OFFER

A fully funded 1+1+1-year 30 hours PhD position (€ 31.000 gross per year, according to the standard personnel costs and salaries of the Austrian Science Fund FWF) in an internationally renowned research group located in Vienna, Austria. The successful candidate will have the opportunity to work closely with researchers at the *Complexity Science Hub Vienna*.

APPLICATION

Candidates send their application material to cosy@meduniwien.ac.at and to office@csh.ac.at with the subject line: "PhD Application Complex Systems Science". Application material includes a CV, a list of publications (if available), a detailed vision letter (what is your vision? what would you like to discover in your future scientific life?), and any additional material demonstrating your creative thinking, mathematical excellence, and computational skills. Please, also include names and full contact addresses of at least two individuals that are willing to write a letter of recommendation for you. The call remains open until January 2022 or until the position is filled.

WE ARE

The Section for Science of Complex Systems is a world-leading research group working in the theoretical foundations of complexity and its applications for science and society. We are part of the *Complexity Science Hub Vienna*, a research organization that seeks to become the focal point of complexity science in Europe. We seek to provide an exciting, creative environment free of bureaucratic constraints for open-minded visionaries who are brave enough to step out of mainstream science and want to make a significant change. Please, have a look at our websites:

<http://www.complex-systems.meduniwien.ac.at/about/>

<https://www.csh.ac.at>