

PhD position in Collective Behavior

Part time (30h)

Complexity Science Hub, Vienna, Austria

€ 30,000* gross per year



The **Complexity Science Hub Vienna** is a young research institute dedicated to a deeper quantitative and predictive understanding of complex systems for the betterment of society. We provide an exciting, creative, bureaucracy-free environment for open-minded visionaries who want to make a change and are brave enough to step out of mainstream science.

PHD POSITION IN COLLECTIVE BEHAVIOR

Collective behavior across physics, biology, and society provides a lens through which to understand how patterns in nature reflect universal principles of information and computation, shared mathematical mechanism and explanation, and how to devise intervention and control protocols commensurate with complex, adaptive systems.

WE SEARCH FOR

An excellent and highly motivated PhD student to join the Collective Behavior Group at the interface of physics and society. Possible projects may involve the dynamics of political violence, political voting, social media cascades, and beyond as well as mathematical modeling.

YOUR PROFILE

You should have some research experience at a Master thesis level, or equivalent. You must be proficient in English both written and spoken. We expect you to have the ability to independently carry out research as exemplified by your past work that showcases your strong programming, modeling, and mathematical skills.

WE OFFER

A fully funded PhD position in a newly established group that is forming around Eddie Lee (<https://eddielee.co>) at the Complexity Science Hub Vienna in close collaboration with other researchers at the Hub. The successful candidate will have the opportunity to work at a highly interdisciplinary interface and will benefit from opportunities for training and a dynamic, collaborative, and international research environment.

APPLICATION

Application material sent to office@csh.ac.at includes a short CV featuring particularly notable accomplishments, list of publications (if any please send copy of a representative one), a copy of the master thesis (or equivalent), a detailed research statement (why do you think you are an excellent candidate in terms of skills and interests and what you hope to accomplish in your PhD with a 1,000 word limit), and any additional material showing your mathematical excellence, computational skills, and creativity. Please also include the full contact details of two referees. All these materials should be in PDF format when possible and titled “[YOUR_NAME]_Lee_PhD_[DOCUMENT_TYPE].pdf”.

** According to the standard personnel costs and salaries of the Austrian Science Fund FWF*