JOB ADVERTISEMENT

The Complexity Science Hub Vienna is a new and expanding international research institution in the area of complexity and Big Data science. We are hiring an exceptionally strong and internationally experienced

GROUP LEADER – URBAN SCIENCE

The group leader has the vision and capacity to create and coordinate a new team in the emerging field of urban science.

RESPONSIBILITIES

During the next five years the group should develop a computational theory to better understand and predict the variety of properties that together make up cities – on a fundamental and data-driven basis. Research topics include the universality of urban scaling laws, quantitative and theoretically grounded metrics of urban resilience, and modeling the urban nexus of education, health, labor, the built environment, energy, and economic development. This is a pure research position — no teaching, no admin work is expected.

YOUR PROFILE

You have a strong data science background, or equivalent skills in computer science or computational social sciences. Strong modelling skills and experience with agent-based models are also necessary. Ideally, you have experience in the urban science and are familiar with the essential concepts of scaling and its consequences for how cities of a given size operate. A background in economics, social science, supply chains, or production systems would be a plus. You are willing to build and lead a team. You have proven your ability to independently carry out and lead data-intensive research with top-quality publications that showcase your modelling and mathematical skills.You are proficient in English.

WE OFFER

- a 5 years contract with the possibility of extension.
- a competitive start-up package and salary, including two funded research positions (Post-Doc or PhD) that can be appointed by the group leader.
- a highly international and interdisciplinary research environment that attracts outstanding PhD students and postdocs.
- support for acquiring third-party funds (not obligatory).

APPLICATION

Your application includes a curriculum vitae, list of publications, a research statement including a description of your scientific accomplishments and vision for your future research activities, as well as any additional material showing your mathematical excellence, computational skills, and creativity. Please also include full contact addresses of at least two individuals that are willing to write a letter of reference for you.

We especially encourage female researchers to apply.

This call remains open until the position is filled. Please email your application material with the subject line "GL Urban Science" to office@csh.ac.at.