

## 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](#) (CSH), a young research organization and think tank dedicated to a deeper quantitative and predictive understanding of complex systems for the betterment of society.

## ABOUT THE PROJECT & ROLE

The PhD position on offer forms part of the Marie Skłodowska-Curie Action Innovative Training Network (MSCA-ITN) Evolutionary Game Theory and Population Dynamics: From Theory to Applications ([EvoGamesPlus](#)). The appointed candidate will conduct research aligned with the aims of EvoGamesPlus in general, and in particular, aims in alignment with the work packages and the expertise of supervisors based at the Medical University of Vienna (MUV) and the Complexity Science Hub Vienna (CSH). This part of the project investigates/develops the exciting phenomenology/theory of non-linear dynamical regulatory systems/models by combining game- and information-theoretic perspectives.

Additional information on the project and vacancy can be found [here](#).

## YOUR PROFILE

We search for an excellent, young and committed scientist with a critical, open-minded and collaborative spirit.

- you preferably hold an MSc. (or equivalent) in theoretical physics, applied mathematics or a related discipline
- you have experience in preparing and publishing scientific reports/papers/presentations
- you have good mathematical/theoretical and numerical skills (e.g. Matlab, Python)
- you have the ability to formulate innovative questions and to work systematically on answering those questions autonomously
- you feel responsible for your work and are capable of discussing the topic and its challenges with your peers, and of seeking and utilizing the expertise of your supervisors and other experts when required
- you have strong communication, organization and interpersonal skills
- you have excellent academic English writing skills

Please note that it is required that candidates applying for this role must have resided and carried out their main research activity outside of Austria for more than 24 months in the 3 years immediately prior to their recruitment. The candidate must, at the time of recruitment, be within their first four years of their research career and not have previously been awarded a doctoral degree.

The envisaged starting date for the appointed candidate is August, 2021.

## WE OFFER

A fully funded PhD position for 36 months in an internationally renowned research group located in Vienna, Austria. The successful candidate will receive theoretical and methodological training, and have the opportunity to work as an ESR with an international, interdisciplinary network of researchers based at several universities and companies in Europe. The salary for this position is € 41,869 gross for 40 hours/week plus mobility and family allowance for eligible candidates (subject to taxation and pension deductions). Full details of allowances can be found [here](#).

## APPLICATION

Applications should be sent to [office@csh.ac.at](mailto:office@csh.ac.at) quoting 'PhD EvoGamesPlus' in the subject line until **March 26, 2021**. Please include:

- a short cover letter (1 page or less) providing details on your experience and expertise, how this matches the research topic, and what motivates your interest in the topic
- your CV (including at least two referees and their contact details)

We especially encourage female candidates to apply.

Your personal data is processed in accordance with the law (see [here](#) for information).