



Universität Potsdam

## Ph.D. or Post-Doc in Theoretical Community Ecology

In the working group Ecology/Ecosystem Modelling at the University of Potsdam (next to Berlin) is a Ph.D. (3 years) or a Post-Doc position (2 years) available within the DFG funded Priority Programme DynaTrait ([www.DynaTrait.de](http://www.DynaTrait.de)) in accordance with section 2 subsection 1 of the Academic Fixed-Term Contract Law (WissZeitVG). The salary is determined by the collective bargaining agreement for public employees in Germany (TV-L- Ost).

We are seeking a highly motivated and productive scientist who is interested and capable of contributing to a modelling team closely interacting with experimentalists *and field data*. She/he should have strong research interests in community and trait-based ecology (e.g. dynamics of predator-prey and multi-trophic systems), and in the role of adaptability for system dynamics in particular (e.g. via eco-evolutionary dynamics). The work includes developing and analyzing predator-prey and food web models that account for ongoing mutual adaptations of trait values among interacting organisms. The focus of this position is on the newly emerging question how such mutual adaptations influence the robustness of the system against perturbations. Details may be adjusted to the preknowledge and interests of the post holder.

The ideal candidate holds a Master or Ph.D. in ecology, physics or a related discipline, has a strong background in trait-based ecology and/or comprehensive skills in working with models using differential equations. Experiences in data analysis are desirable.

The Ecology and Ecosystem Modelling Group is an established centre for both theoretical and experimental study on population and community ecology with a focus on plankton. The modelling team, consisting of four Post-Docs, Ph.D. and Master students, is supervised by Prof. Dr. Ursula Gaedke and provides a very stimulating research environment for promoting theoretical ecology by modelling and empirical studies. It is located in Park Sanssouci, a UNESCO Cultural World Heritage site centrally located in Potsdam, and about 30 minutes away from Berlin. Further information can be found at <https://www.uni-potsdam.de/en/ibb-ecology/overview.html>. The successful candidate can participate in the Potsdam Graduate School providing a broad spectrum of soft skill training.

Please send your application electronically with the usual information (in particular a letter of motivation, extended CV, and contact details of academic references and copies of degree certificates) to Prof. Dr. Ursula Gaedke ([gaedke@uni-potsdam.de](mailto:gaedke@uni-potsdam.de)), if possible as a single pdf file. The position is open until it is filled. Please send no original documents.