

Summer Fellowships in Ecological Modeling for Young Scientists at the International Institute for Applied Systems Analysis, Austria

Funding is available for PhD students interested in three months of collaborative research during June-August 2015 on

Evolutionary and Ecological Modeling

at the International Institute for Applied Systems Analysis (IIASA) in Laxenburg, Austria.

Young scientists from all countries are eligible for stipends provided by IIASA's Evolution and Ecology Program (EEP) that contribute to travel and accommodation costs. Students from Australia, Austria, Brazil, China, Egypt, Finland, Germany, India, Indonesia, Japan, Korea, Malaysia, Mexico, the Netherlands, Norway, Pakistan, Russia, South Africa, Sweden, Ukraine, USA, and Vietnam are furthermore eligible for fellowships that provide full coverage of travel, accommodation, and living expenses.

Model-based summer research projects are invited in the following indicative areas:

- Evolution of cooperation
- Governance of common goods
- Systemic risk and network dynamics
- Eco-evolutionary dynamics
- Evolutionary community ecology
- Food-web evolution
- Vegetation dynamics
- Adaptive speciation
- Disease ecology and evolution
- Evolutionary conservation biology
- Fisheries management
- Fisheries-induced evolution
- Adaptive dynamics theory and models
- Spatial models in ecology and evolution

Applicants are encouraged to prepare a research proposal that corresponds to their scientific interests and to the research agenda of their hosting IIASA Program. Accepted applicants will begin work before the summer, by planning their research in collaboration with their IIASA supervisors. Previous experiences with implementing and studying evolutionary or ecological models are important assets for working in EEP. To improve chances of being selected, potential applicants are welcome to send informal inquiries regarding their specific research interests and plans to EEP's program director Ulf Dieckmann (dieckmann@iiasa.ac.at).

Online applications will be accepted until Monday, January 12, 2015 (24:00 CET).

Since 1977, IIASA's annual Young Scientists Summer Program (YSSP), has attracted 1750+ students

from 80+ countries. The YSSP 2015 will take place from June 1 to August 31. IIASA is located in the former summer palace of Austria's royal family, ca. 15 km south of Vienna. IIASA's summer program offers exceptional opportunities for acquiring experience in an international and interdisciplinary research environment. Research training is based on regular personal interaction with advising scientists, and typically leads to a publication in an international journal, as well as to a chapter in a candidate's PhD thesis.

Some useful links:

+ Details about the summer program, and online application

<http://www.iiasa.ac.at/web/home/education/yssp/Apply/ConditionsEligibility/Conditions-and-Eligibility.en.html>

+ Information about IIASA's Evolution and Ecology Program

<http://www.iiasa.ac.at/web/home/research/researchPrograms/EvolutionandEcology/New-page.en.html>

+ Examples of successful YSSP projects

<http://www.iiasa.ac.at/web/home/research/researchPrograms/EvolutionandEcology/AbouttheProgram/Student-Participation-in-EEP.en.html>

+ General information about IIASA

http://www.iiasa.ac.at/web/home/about/whatisiiasa/what_is_iiasa.html