



International Leibniz Research School for Microbial and Biomolecular Interactions

The ILRS is the graduate school of the Leibniz Institute for Natural Product Research and Infection Biology - Hans Knöll Institute - in collaboration with the Max Planck Institute for Chemical Ecology, the University Hospital Jena and the Friedrich Schiller University Jena. The main research focus of the ILRS PhD projects is to gain insight into the microbial and biomolecular interactions underlying the communication processes among microorganisms in diverse habitats. In their natural habitat, microorganisms do not occur in isolation but live in close association with other organisms of different species and developmental stages. Their interactions can take many forms, ranging from mutual symbiosis to parasitic interactions. How these complex, multi-organismic networks are regulated by microbial communication is still poorly understood.

The scientific topics addressed within the ILRS graduate training program can be divided into three main subcategories:

- Interactions between microorganisms
- Host / microbial pathogen interactions
- Role and analysis of networks / bioinformatics

Scientific key words

Microbiology, Microbial Communication, Natural Product Research, Infection Biology, Systems Biology

Participating Institutions

Leibniz Institute for Natural Product Research and Infection Biology - Hans Knöll Institute, Max Planck Institute for Chemical Ecology, University Hospital Jena, Friedrich Schiller University Jena: Faculty of Biology and Pharmacy, Faculty of Chemical and Earth Sciences, Faculty of Mathematics and Computer Science, Faculty of Medicine

Preferred language

English

Current number of doctoral candidates

65

How can I become a doctoral candidate? What is the method of selection?

Application via homepage (see below). There is a two stage selection procedure:

1. Written application via the online portal
2. Recruitment Meeting in Jena

Are there fixed dates to apply?

Yes, usually once per year. It will be announced on the homepage.

Are there possibilities to be funded in this programme?

Doctoral candidates receive a work contract according to TV-L.

Interesting for graduates of the following subjects:

Biology, biochemistry, bioinformatics, pharmacy, chemistry, computer science, biotechnology or related fields

Prospective degree

Dr. rer. nat.

Contact

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