

Application deadline: 15.01.2015

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The International Max Planck Research School (IMPRS) for Organismal Biology offers several fully funded PhD positions. The IMPRS is based in southern Germany and is jointly organized by the Max Planck Institute for Ornithology in Seewiesen and Radolfzell and the University of Konstanz.

Outstanding students of all nationalities with a deep commitment to basic research in Organismal Biology are invited to apply. More than 25 internationally recognized research groups actively participate in the PhD program and offer challenging, cutting-edge PhD projects in the fields of Behavioral Biology, Ecology, Evolutionary Biology, Physiology, and Neurobiology.

The aim of the IMPRS is to provide first-class training and education for outstanding doctoral students from all over the world in a stimulating research environment. The competitive doctoral program provides its fellows with an excellent starting platform for a successful career in the fields of animal behaviour, ecology, evolution, physiology, and neurobiology.

For 2015, we offer the following PhD projects:

- Â~ **Evolutionary Genetics of the Embryo Mortality Puzzle in the Zebra Finch**
- Â~ **Ecological genomics in urbanizing burrowing owls**
- Â~ **Comparative Analysis of Sexual Selection in Parrots of the World**
- Â~ **Early Sexual Development of the Chicken Brain**
- Â~ **Collective Animal Behaviour**
- Â~ **Computational Approaches to the Experimental Study of Animal Collectives**
- Â~ **Two open PhD positions for own proposal elaboration within Organismal Biology**

**[Evolutionary Genetics of the Embryo Mortality Puzzle in the Zebra Finch](#)**

**Key words** genomics, QTL mapping, genetic incompatibility, selfish DNA, infertility  
Main advisor Wolfgang Forstmeier, MPIO Seewiesen [\[more\]](#)

[Ecological genomics in urbanizing burrowing owls](#)

**Keywords** population genomics, bioinformatics, selection signatures, urbanization, genotype-phenotype associations, birds

**Main advisor** Jakob Mueller, MPIO Seewiesen, [\[more\]](#)

[Comparative Analysis of Sexual Selection in Parrots of the World](#)

**Key words** sexual selection, mating behaviour, parrots, comparative analysis, phylogeny

**Advisors** Mihai Valcu & Bart Kempenaers, MPIO Seewiesen, in collaboration with Auguste von Bayern [\[more\]](#)

[Early Sexual Development of the Chicken Brain](#)

**Keywords** Sexual development, chicken brain, transgenic, gene expression techniques, microscopy

**Main advisor** Manfred Gahr, MPIO Seewiesen [\[more\]](#)

[Collective Animal Behaviour](#)

**Keywords** swarm, school, behavior, information, fish, ants, locusts, tracking, computer vision, virtual reality, self-organization, decision-making, evolution

**Main adviser** Iain Couzin, MPIO, Konstanz [\[more\]](#)

[Computational Approaches to the Experimental Study of Animal Collectives](#)

**Keywords** swarm, school, behavior, information, automated tracking, machine learning, virtual reality, inverse methodologies.

**Main adviser** Iain Couzin, MPIO, Konstanz [\[more\]](#)

For a list of all available PhD projects visit <http://www.orn.mpg.de/projects> .

**Our Offer**

All students accepted to the program will be supported by stipends or contracts. The program offers a dedicated teaching program, high quality research experience, and outstanding research facilities in an inspiring research and living environment. The working language is English. Each PhD student receives individual supervision and mentoring and is guided in her/his research work by a PhD advisory committee. The Max Planck Society and the University of Konstanz are equal opportunity employers.

## Your application

Outstanding students of all nationalities with a deep commitment to basic research in Organismal Biology are invited to apply. Deadline for the application is January 15, 2015. Interviews with the applicants are scheduled for March 23-26, 2015. Candidates accepted into the program may start latest September 2015.

Qualification: Applicants should hold a MSc or equivalent degree in biology or a related discipline at the point of enrollment.

Queries should be mailed to the program office: [IMPRS@uni-konstanz.de](mailto:IMPRS@uni-konstanz.de)

Application: You can only apply via the three-tier electronical application process on the Institutes webpage. For more information visit [www.orn.mpg.de/2383/Application](http://www.orn.mpg.de/2383/Application) .

More information at [www.orn.mpg.de/IMPRS](http://www.orn.mpg.de/IMPRS) and [www.facebook.com/OrganismalBiology](https://www.facebook.com/OrganismalBiology)

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posting date: 19.12.2014

**[Seewiesen/Konstanz/Radolfzell]** International Max Planck Research School (IMPRS) for Organismal Biology, **several PhD Positions**. Application deadline: 15.01.2015,  
[more...](#)

**[Seewiesen]** Max Planck Institute for Ornithology, **PhD Position at MPI Ornithology: Evolutionary Genetics of the Embryo Mortality Puzzle in the Zebra Finch**, Application deadline: 15.01.2015,  
[more...](#)

**[Wilhelmshaven]** Institute of Avian Research, Wilhelmshaven, Germany, **Vice-Director/Senior Research Position in Evolutionary Ecology**, Application deadline: 28.02.2015,  
[more...](#)

**[Wilhelmshaven]** Institute of Avian Research, Wilhelmshaven, **PhD Position in Bird Migration**, Application deadline: 31.01.2015,  
[more...](#)

posting date: 17.12.2014

**[Göttingen]** Deutsches Primatenzentrum GmbH (DPZ), **Biostatistiker/in**, Bewerbungsschluss: 15.02.2015,  
[mehr...](#)