FRANKFURT SUMMER SCHOOL 2019 (05.08 - 30.08.2019)

Natural and Life Sciences Track: “Biodiversity and Global Change”

General Outline:

Biologists and Geoscientists at the Goethe University Frankfurt and the Senckenberg Biodiversity and Climate Research Centre aim to understand the dynamics of current and past changes in ecosystems and environments, focusing on a diverse range of organism groups. For many abundant organisms (marine algae, fungi, vertebrates, etc.), surprisingly little is understood about their ecological interactions and ecosystem functions within the context of global change. The aim of this course is to train a new generation of scientists in the interdisciplinary skills needed to investigate fundamental questions about biodiversity, macroecology, evolutionary trends, and their role in quantitative paleoenvironmental reconstructions across large spatial scales and geological time.

During the Frankfurt Summer school students will be trained in techniques across a variety of subjects including:

- Macroevolution - evolutionary change of species in fossils and molecular phylogenies
- Animal Movements in Human Modified Landscapes
- How fungi are ecosystem service providers! Integrative research on diversity, systematics and applied aspects of fungi
- Mankind and the biosphere in the past and the present
- How micro-organisms are used for reconstructing environments! Introduction into marine biodiversity, paleoceanography and paleoclimatology
Programme:

- The seminars are held in English (about 50 contact hours)
- Excursions and study tours to the German city of Heidelberg and the Rhine region as well as a weekend visit to the French town of Strasbourg and an optional trip to Berlin are also part of the programme. The participants in the Natural and Life Sciences Track will visit the Max Planck Institute for Biophysics.
- The German language courses for beginners and more advanced learners take place in small learning groups.

Requirements:
Be a graduate student (Master) or advanced in an undergraduate (Bachelor) programme (at least two years of studies). Subject orientations: biology, geology, environmental sciences, (physical) geography.

Programme fee: 2,100 € (accommodation in dormitory, seminar and cultural programme, the German language courses, all study material, health, liability and accident insurance and the transportation fee within Frankfurt).

Find out more about Frankfurt Summer School on our website: http://summerschool.uni-frankfurt.de/

Deadline for applications: 31 March 2019

Application: http://summerschool.uni-frankfurt.de/application/

Contact:
Frankfurt Summer School
Anne Le Duigou Bernig, Project Manager
International Office, Goethe University
summerschool@em.uni-frankfurt.de, Tel: 0049 6979817247