

About MGAP

The MGAP program is based on interdisciplinary, research-oriented courses in geo- and biosciences that address patterns and processes of the evolution of life and its habitats on our planet. Principal topics are evolutionary and environmental geobiology and paleobiology, supported by courses in complementary areas e.g., bioinformatics, statistics, sedimentology.

The module-based curriculum provides an integrative approach facilitated by experts in different areas of expertise. Students will learn and acquire routines with a wide range of scientific methods such as modern techniques in molecular biology, isotope geochemistry, fieldwork, collection management, bioinformatics, statistics and (paleo-) biodiversity assessments. Students will learn independent scientific work in individual and intensively supervised research projects at early stages of the curriculum.

A mentoring program offers further guidance and support throughout the studies.

MGAP in brief

- International Master's program in Geobiology and Paleobiology (Master of Science, M.Sc.) at the LMU Munich
- 2 years, 4 semesters, start in October (winter semester)
- All courses taught in English
- Courses are combined in modules
- Course total: 120 ECTS credits

Master's Program Geo- and Paleobiology (MGAP)

More Info

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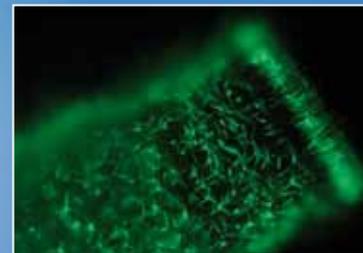
www.mgap.geo.lmu.de

Paleontology and Geobiology

Paleontology and Geobiology investigate the evolution of organisms and their habitats through space and time as well as the present and past interaction between geo- and biosphere – processes that have shaped the Earth and its biodiversity.

We apply state-of-the-art interdisciplinary approaches and techniques to address pertinent questions about how life and its environments evolved throughout the Earth's history.

We work in different ecosystems, both fossil and recent, from the Bavarian Alps to tropical coral reefs, to uncover the secrets of life's evolution on our planet.



Master's program Geo- and Paleobiology (MGAP)

The Master's program "Geo- and Paleobiology" (MGAP) is a consecutive, research-oriented, four-term international master program of the Faculty of Geosciences, Ludwig-Maximilians-Universität München, in collaboration with researchers of the Bavarian State collections under the umbrella of the GeoBio-Center^{LMU}.

MGAP aims to provide students with a comprehensive introduction into the interdisciplinary research fields of Geo- and Paleobiology to prepare them for careers in science and beyond.

We study rates and patterns of evolution, integrating data from living organisms and the fossil record, compare genomic data, investigate chrono- and biostratigraphy, and reconstruct Paleoclimate and Paleoenvironments.

We reconcile Paleontological and molecular evidence for a better understanding of the temporal succession of bio-diversification and the evolution of key traits to further our understanding of the interaction of the geo- and biosphere through Earth history.

