

MAMBE

Master in Molecular Biology and Evolution

Why MAMBE?

The combination of evolution and molecular biology emerged as an extremely successful interdisciplinary research field in recent years but has not yet been available in academic education. Thus, in collaboration with the Max-Planck-Institute for Evolutionary Biology (Plön), the Biology Center at the University of Kiel developed a new **Master curriculum in Molecular Biology and Evolution (MAMBE)**.

The concept

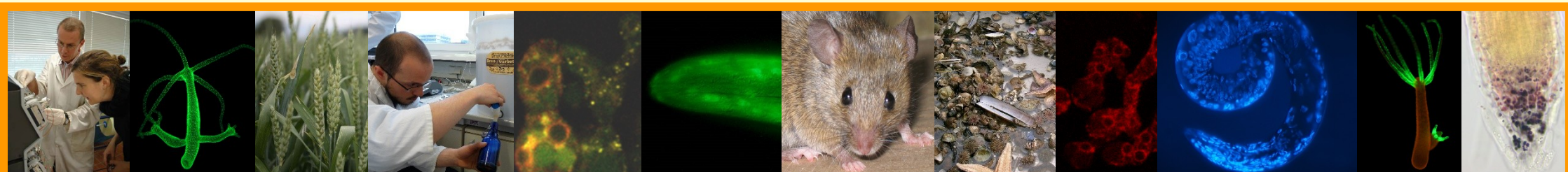
MAMBE is founded on the idea that interdisciplinary thinking enhances in-depth understanding of biological phenomena. Therefore, the MAMBE curriculum will foster such interdisciplinary connections: In the first two semesters you will learn about the basic mechanisms and processes of molecules and evolution. Additionally, you will enhance your skill set in scientific communication and management (e.g., preparation of seminar talks, or writing of grant applications, etc.). During the third semester, the acquired competences will be applied to real research life in the laboratory and field. The fourth semester will consist of your Master thesis (cf. time schedule).

4. Sem	biol 609 (30 ECTS) Master thesis				
3. Sem	biol 606 (10 ECTS) Introductory Research Module		biol 607 (10 ECTS) Advanced Research Module	biol 608 (10 ECTS) Development of a scientific project	
2. Sem	biol 600 (10 ECTS) Evolution of organisms and molecules	biol 601 (10 ECTS) Molecular biology of dynamic processes	Elective areas:		biol 604 (10 ECTS) Scientific presentation/management
1. Sem			biol 602 (2/3x 5 ECTS) Evolution of organisms and molecules + biol 603 (2/3x 5 ECTS) Molecular biology of dynamic processes	biol 605 (5 ECTS) Biological data analysis	

Career opportunities

MAMBE graduates will be very well prepared for a PhD project in an inter-disciplinary biological research field and, as such, are also highly attractive for industry, small companies, or governmental offices that are active in one of the following fields: Research and development of new products, possibly using evolutionary principles for product improvement, in biology, medicine, or related

field (e.g., pharmaceutical industry, biotechnology, medicine) and also agriculture (animal and plant breeding); Service sector (e.g., development of diagnostics, implementation of clinical studies, large scale screening); and also Governmental sector (as biologists in public authorities, research institutes or universities).



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How to apply?

If you are interested in joining this unique master curriculum, just submit below listed documents by **20th August 2020!** With a **German bachelor certificate**, you can send them directly via the **application form** (<https://bit.ly/2MZTDfe>). With a **non-German certificate**, submit your documents via UNI-ASSIST (http://www.uni-assist.de/index_en.html). Please have a look at the MAMBE webpage (<https://bit.ly/3cWuOv6>) for further information. The following documents are required:

- Bachelor certificate in Biology or a related subject or preliminary certificate (final mark ≤ 2.5 or among the top 30 % marks according to the ECTS Grading Table)
- Document confirming your proficiency in English (English test certificates, 8 years of school English or a school or university stay of at least 6 months in an English-speaking country)
- Questionnaire
- Curriculum vitae (brief overview)

As soon as a decision was made, you'll receive an acceptance letter that allows you to register.

Contact

If you have any questions, please send an email to:
mambe@bio.uni-kiel.de

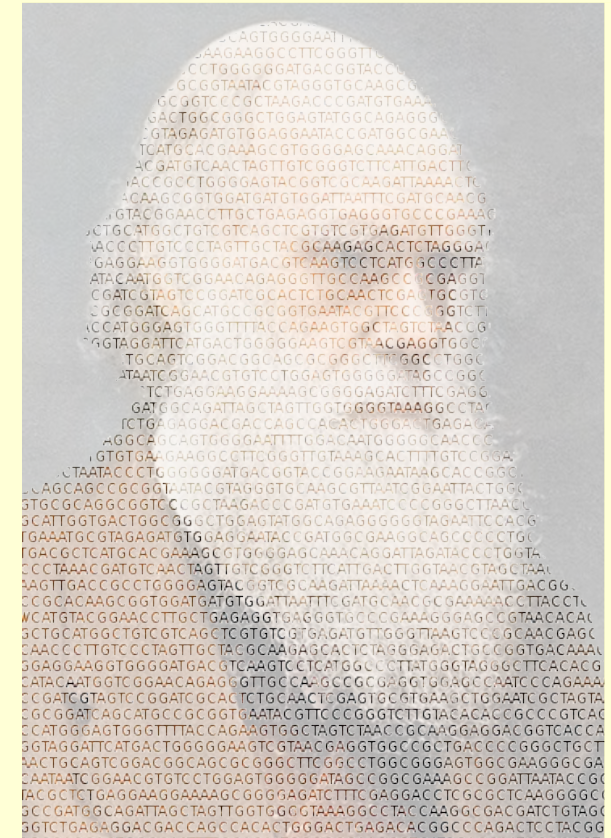
MAMBE webpage

All relevant information about MAMBE (involved research groups, structure of curriculum, elective courses, etc.) can be found on the official web site:

www.biologie.uni-kiel.de/en/studium/mambe

Contact: Prof. Dr. Tal Dagan (Evolutionary Microbiology), Dr. Cornelia Sommer (Biology Center)

Learn to identify the pattern of life!



Apply for MAMBE!

