



# Master of Science

## AgriGenomics



Kiel University  
Christian-Albrechts-Universität zu Kiel

Faculty of  
Agricultural and Nutritional Sciences

AgriGenomics

### CAREER PERSPECTIVES

There is an increasing demand for specialists who understand both the fundamentals of agricultural production and the application of genomics for the breeding and cultivation of crops and livestock. Students specialized in AgriGenomics will be qualified to take a leading position in life science and breeding companies. They will be able to apply genome techniques for the breeding and improvement of crop and animal production. Moreover, with an M.Sc. in AgriGenomics, students will be highly qualified for doctoral courses to start a career in science or in research and development.

### ADMISSION

- ▶ Successful applicants must have a bachelor degree in agriculture or biology. They require special knowledge in genetics, zoology or botany with an ECTS grade of B- or higher.
- ▶ Language requirements: As all classes are given in English, a good level of English (written and spoken) is mandatory. Accepted language proficiencies are displayed on the AgriGenomics webpage.
- ▶ This master study course is free of tuition fees.

### APPLICATION

Applications must be submitted before June 1<sup>st</sup>. Applications should be submitted to Prof. Dr. Georg Thaller (Animal Breeding and Husbandry Institute) or Prof. Dr. Christian Jung (Plant Breeding Institute). The application form can be downloaded from the AgriGenomics webpage.

### FURTHER INFORMATION

[www.agrigenomics.de](http://www.agrigenomics.de)

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#### Contact

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#### Student Advisory Service

email: [dekanat@agrar.uni-kiel.de](mailto:dekanat@agrar.uni-kiel.de)  
[c.jung@plantbreeding.uni-kiel.de](mailto:c.jung@plantbreeding.uni-kiel.de)





### **AGRIGENOMICS**

The Master's Program AgriGenomics focuses on the application of genomics for improving crops and livestock. As the program is not restricted to either animal or plant sciences, it will offer multidisciplinary qualifications in the field of agricultural sciences. This should prepare students for a broad spectrum of work positions.

The Master's Program AgriGenomics is attractive for students interested in traditional agricultural research and the application of cutting-edge genomics technologies at a postgraduate level.

### **PROGRAM STRUCTURE**

This newly designed full time postgraduate Master's Program is intended for students who hold a Bachelor's degree in agriculture or a related field, with a fundamental knowledge of agricultural sciences, plant or animal physiology, and biotechnology.

Classes will be held in English and are open to students from all over the world with an interest in agriculture and molecular biology.

The Degree Program will require four semesters of courses including a Master's thesis. The Master's Program will be structured into 7 mandatory and 8 elective modules which will encompass lectures, seminars, practical courses and excursions.

Classes will take place on the CAU campus in Kiel. Optionally, off-campus internships at partner research institutes or German life science and breeding companies may be included in the curriculum. Successful students will receive a full time postgraduate master's degree (Master of Science, M.Sc). Using the European Credit Transfer System (ECTS), students' achievements will be transferable to other universities. Students who complete the program will attain 120 ECTS points.

### **FACULTY OF AGRICULTURAL AND NUTRITIONAL SCIENCES**

The Faculty of Agricultural and Nutritional Sciences was founded at Christian Albrechts University in Kiel in 1946. It offers scientific training as well as basic and applied research, in both Agricultural and Nutritional Sciences, leading to B.Sc. and M.Sc. degrees.

The combination of agricultural and food sciences provides the opportunity to gain a holistic view on agricultural production along the entire food production chain: from the initial production of crops, via an assessment of the environ-



mental impacts of land-use systems, agribusiness and food processing, to health assessments of foods.

The faculty collaborates with a number of national and international research networks with a significant share of interdisciplinary research. There are collaboration agreements with several research institutes, such as the Max Rubner Institute (MRI), the Julius Kuehn Institute (JKI), the Research Institute for the Biology of Farm Animals (FBN Dummerstorf), the IFCN Dairy Research Center Kiel, and the Leibniz Institute of Plant Genetics and Crop Plant Research (IPK) Gatersleben.