



Requirements

To register for the special study program (SSP) iMoPLANT within the MSc Biosciences curriculum, students should hold a Bachelor degree in the Natural or Life Sciences with an average grade of 2.3 or better and a strong interest in modern Plant Sciences.



How to apply

To apply for the SSP iMoPLANT, please register for the MSc Biosciences first. The number of places in modules with a focus on Plant Sciences is limited. We therefore recommend that you apply for the SSP iMoPLANT as soon as possible.

For questions related to your application, please contact the SSP iMoPLANT coordinator:

Dr. Rainer Waadt

Email: rwaadt@uni-muenster.de

For further information

Please visit the iMoPLANT [website](#)

Contact



SSP iMoPLANT coordinator

If you would like to discuss how to choose among the different plant modules, or how to plan your Master's curriculum based on the SSP iMoPLANT, please contact:

Dr. Rainer Waadt

Email: rwaadt@uni-muenster.de

Or select a mentor among the iMoPLANT-related groups.

SSP iMoPLANT office

To obtain your iMoPLANT certificate, please contact:

Teresa Kühlkamp (Secretary to the Head of the IBBP)

Email: teresa.kuehlkamp@uni-muenster.de

SSP iMoPLANT speaker

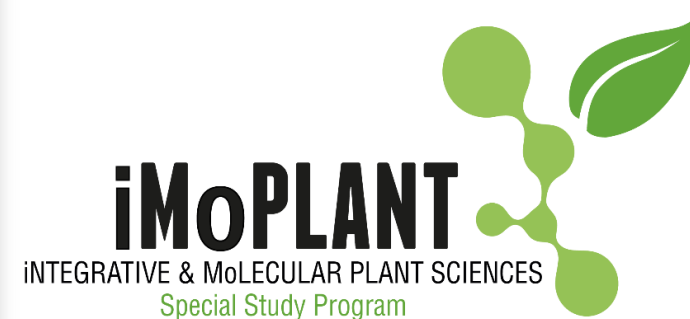
Head of the Institute of Plant Biology & Biotechnology
IBBP, Schlossplatz (SP7 and SP8):

Prof. Dr. Bruno Moerschbacher

Email: moersch@uni-muenster.de

Prof. Dr. Antje von Schaewen (Deputy)

Email: schaewen@uni-muenster.de



FACHBEREICH
BIOLOGIE



Universität
Münster



Why plant biologists are important to society

Climate change, pandemics, sufficient food supply and devastating pest damage to crops are new challenges that our society has to face.

Despite these difficulties, we live in an exciting time in terms of technological advances and innovative research approaches. The research groups that are part of the SSP iMoPLANT explore plant life in all its diversity, from the molecular, cellular and organismic level to their manifold interactions within and with the environment.

The aim of the iMoPLANT groups is to understand how plants sense and respond to environmental challenges, and to use the acquired knowledge - based on state-of-the-art techniques and technologies - to improve crops, enhance energy efficiency & biomass production, and to develop plants as resources for agricultural, therapeutic and biotechnological purposes.

Thus, plant biologists play a very important and crucial role in our society by addressing some of the most pressing challenges of our time.

About the SSP iMoPLANT



The SSP iMoPLANT offers specialization within the MSc Biosciences program. It aims at students with a strong interest in integrative Plant Sciences. During the development of their iMoPLANT curriculum, students will seek to solve biological questions by applying the latest advances in Mass Spectrometry and Microscopy as well as in Molecular Biology and Genomics approaches, such as precision genome editing (CRISPR/Cas, etc.). Upon successful completion of the program, students will receive an iMoPLANT [certificate](#) (accompanying the MSc certificate), attesting that they have received state-of-the-art training to perform plant research at the academic as well as the industrial level.



SSP Structure

Option 1: 2 Advanced Modules + 1 Research Module + Master Thesis

1 st Year	1 st WiSe	Project Management Module	Integrative Biology	AdM (iMoPLANT) 5 CPs	AdM (iMoPLANT) 5 CPs	AdM	AdM
	2 nd SuSe	Project Management Module	AdM	RM (iMoPLANT) 10 CPs		RM	
2 nd Year	3 rd WiSe	Master Thesis (iMoPLANT) 60 CPs					
	4 th SuSe						

Option 2: 2 Research Modules + Master Thesis

1 st Year	1 st WiSe	Project Management Module	Integrative Biology	AdM	AdM	AdM	AdM
	2 nd SuSe	Project Management Module	AdM	RM (iMoPLANT) 10 CPs	RM (iMoPLANT) 10 CPs		
2 nd Year	3 rd WiSe	Master Thesis (iMoPLANT) 60 CPs					
	4 th SuSe						

In addition, it is required to participate in at least 50% of the iMoPLANT 'Plants of the Future' lecture series.

For more information about the structure and content of the SSP, please visit the iMoPLANT [website](#).



SSP Content

The SSP iMoPLANT program integrates knowledge about plants from a very broad perspective, encompassing the molecular, cellular and organismic levels to understand how plants interact with their environment.

The SSP iMoPLANT covers **six core subjects**:

Cellular & Molecular Biology of Plants, Plant Physiology & Biochemistry, Molecular Phytopathology, Plant Biotechnology, Plant Molecular Evolution & Adaptation, and Bioinformatics & Statistics. Within each of these subject areas, several advanced and research modules with a [green](#) label are offered. For further information, please visit the "[Modulhandbuch](#)".

Focus Area 'Plants'



SSP iMoPLANT is offered by the research groups at the Faculty of Biology (FB13) with strong focus on 'Plants'. Currently, ten research groups and two junior research groups participate in the iMoPLANT program:

- **Molecular Genetics & Cell Biology of Plants:** Prof. Dr. Jörg Kudla (SP7)
- **Molecular Physiology of Plants:** Prof. Dr. Antje von Schaewen (SP7)
- **Plant Physiology:** Prof. Dr. Iris Finkemeier (SP7)
- **Plant Energy Biology:** Prof. Dr. Markus Schwarzländer (SP8)
- **Plant Biochemistry & Biotechnology:** Prof. Dr. Michael Hippler (SP8)
- **Green Biotechnology:** Prof. Dr. Till Ischebeck (SP8)
- **Plant Biotechnology:** Prof. Dr. Dirk Prüfer (SP8)
- **Biopolymers & Molecular Phytopathology:** Prof. Dr. Bruno Moerschbacher (SP8)
- **Evolution & Biodiversity of Plants:** Prof. Dr. Kai Müller (IEB, Hüffer Str. 1)
- **Evolution of Biotic Plant Interactions:** Prof. Dr. Susann Wicke (IEB, Hüffer Str. 1)

For further information about the research offered by the different iMoPLANT groups, please visit the [IBBP](#) and [IEB](#) (Institute for Evolution & Biodiversity) websites.