

PLANTS OF THE FUTURE



Welcome to the seminar-based course

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The lecture series on the Plants of the Future is back at the University of Münster!

This Winter Semester 2021/2022, we offer a new round of lecture series: "**Plants of the future: research towards more resilient plants**" within the Special Study Program (SSP) **INTEGRATIVE & MOLECULAR PLANT SCIENCE "iMoPLANT"**. These seminars are addressed to all MSc Biosciences/Biotechnology students with a strong interest in Plant Science, especially on topics related to the current challenges of the planet: environmental stress to plants, new bioresources, new forms of energy, etc.

What solutions does Plant Science present? If you are interested in learning more about these topics, don't miss the opportunity to follow the weekly seminars held by the "[Plants](#)" leading researchers of the Faculty of Biology. After each presentation there will be time for questions.

This semester we have two special invited speakers: **Dr. Philippe Fuchs** from the Industry/business sector and **Prof. Dr. Bomfleur** from the faculty of Geosciences at WWU. Dr. Philippe Fuchs is currently working at [Andermatt Biocontrol AG](#) as regulatory affairs manager and will talk about the production of natural biological pesticides to replace traditional chemical pesticides. [Prof. Dr. Bomfleur](#) will speak on "Plants of the Past", focusing on his work on the polar forests of the past in relation to plant evolution.

Time: Wednesdays from 9 am to 10 am (except in the cases indicated)

Place: Seminar room of Schlossplatz 7

Language: English

Audience: The event is targeted to MSc students. However, BSc & PhD students as well as postdocs are also welcome to join us.

We are looking forward to seeing you!

If you are interested in participating in the Plants of the Future lecture series please send an email to the SSP iMoPLANT coordinator (Dr. Maida Romera Branchat: mromerab@uni-muenster.de), explaining briefly if you intend to participate in all the seminars or only in some of them.

Plants of the Future: research towards more resilient plants			
When	Time (am)	Lecturer	Title of the Seminar
Session 1: Cellular and Molecular Biology of Plants			
17.11.2021	8:50-9:00	Maida Romera Branchat	Introduction to the lecture series
17.11.2021	9:00 – 10:00	Jörg Kudla	Ca ²⁺ signalling networks as key to create plants of the future
24.11.2021	9:00 – 10:00	Till Ischebeck	Plant lipids - Barriers, Signals and Depots
08.12.2021	9:00 – 10:00	Antje von Schaewen	Sugars for life – from primary metabolism to subcellular localization in plant cells
Session 2: Plant Biotechnology and Phytopathology			
20.12.2021	8:15– 09:45*	Dirk Prüfer	Molecular Plant Breeding
17.01.2022	8:15– 09:45*	Bruno Moerschbacher	Plant Disease and Plant Protection
Session 3: Plant Physiology, Organelles and Biochemistry			
12.01.2022	9:00 – 10:00	Markus Schwarzländer	The superpowers of mitochondria in plants
19.01.2022	9:00 – 10:00	Michael Hippler	Structure and function of photosystem I – boosting electron output via genetic engineering
26.01.2022	9:00 – 10:00	Iris Finkemeier	Organellar retrograde signaling in plants
Session 4: Invited speaker from Industry			
02.02.2022	9:00 – 10:00	Philippe Fuchs	Andermatt Biocontrol
Session 5: Plant Evolution and Adaptation			
09.02.2022	9:00 –10:00	Kai Müller	To be announced
16.02.2022	9:00 –10:00	Shuqing Xu	Survival strategies of plants in nature
Session 6: Invited speaker from Faculty of Geoscience (WWU)			
02.03.2022	9:00 –10:00	Benjamin Bomfleur	Plants of the Past
End of the lecture series: Concluding remarks			

*Monday, 8:15-9:45am, as part of the Biotech module