

Time	Monday, 05.09.: Applications of Plant Science
13:00 - 14:00	Registration
14:00 - 14:15	Welcome
	<i>Breeding and Engineering Plants</i>
14:15 - 15:00	Mark Tester (AUS): <i>Understanding and engineering salinity tolerance in crop plants</i>
15:00 - 15:45	Martijn Gipmans (D): <i>From basic research to products: Innovation at BASF Plant Science</i>
15:45 - 16:15	Coffee break
16:15 - 17:00	Mario Gils (D): <i>Transgenic pollination control systems for hybrid plant breeding</i>
17:00 - 17:45	Simon Chan (US): <i>Haploid Arabidopsis thaliana: Power tools for plant genetics</i>
17:45 - 18:00	Break
	<i>Evening Lecture and Reception</i>
18:00 - 18:45	Noel Kingsbury (UK): <i>A genetic cornucopia – plant breeding through history</i>
followed by	Reception with cold buffet
Time	Tuesday, 06.09.: Applications of Plant Science
	<i>Phyto-pharmacies – Plants as Health Factories I</i>
09:15 – 10:00	Cathie Martin (UK): <i>Engineering phenylpropanoid production for healthy foods</i>
10:00 – 10:45	Tomasz Czechowski (UK): <i>Fast-track breeding for improved varieties of Artemisia annua</i>
10:45 – 11:15	Coffee break
	<i>Fueling the World</i>
11:15 – 12:00	Marcos Buckeridge (BR): <i>Understanding carbon metabolism in sugarcane to improve bioethanol production</i>
12:00 – 12:45	Olaf Kruse (D): <i>Sun to Fuel conversion with microalgae as an alternative biomass</i>
12:45 – 14:15	Lunch break
	<i>Challenges of Nutrition</i>
14:15 – 15:00	Richard Sayre (US): <i>Improving cassava for nutrition, health and sustainable development</i>
15:00 – 15:30	Coffee break
	<i>Phyto-pharmacies – Plants as Health Factories II</i>
15:30 - 16:15	Yuri Gleba (D): <i>New uses for new plants</i>
16:15 - 17:00	Inga Hitzeroth (ZA): <i>Plant derived vaccines “Out of Africa“</i>
17:00 - 17:20	Concluding remarks & transition to History and Philosophy of Science

Time	Wednesday, 07.09.: History and Philosophy of Science
09:15 - 12:00	Workshop on Philosophy of Science – K. Nickelsen, R. Scholl (CH) (see below for details)
12:00 - 13:30	Lunch break History and Philosophy of Science
13:30 - 14:15	Rudolf Hagemann (D): <i>Important steps in the establishment of plastid genetics in higher and lower plants</i>
14:15 - 15:00	Kärin Nickelsen (CH): <i>In pursuit of a pathway: Collective modelling in early photosynthesis research</i>
15:00 - 15:30	Coffee break
15:30 - 16:15	Friedrich Steinle (D): <i>How do we learn from experiments? Epistemological studies of experimental practice</i>
16:15 - 17:00	Raphael Scholl (CH): <i>Oxidative phosphorylation and the logic of discovery</i>
17:00 - 17:15	Closing remarks
evening	BBQ

Workshop Schedule

The workshop is given by Kärin Nickelsen and Raphael Scholl. Participants for the workshop have received an email from the organizing committee.

Time	Philosophy of Science Workshop
09:15 - 10:00	Introductory lecture on “Scientific thinking” (deduction, induction, falsification and causal inferences)
10:00 - 10:30	Choose one of the case studies presented and analyse its argument and methodology. Or, alternatively, analyse your own work or project idea (both with the help of hand-outs).
10:30 - 10:45	Coffee break
10:45 - 11:15	Discussion of your analysis in groups of 6-10 people
11:15 - 12:00	Fallacies and methodological pitfalls in science

<http://plants-and-people.mpg.de>