

### Monday, 17 June

16:00 – 18:00 **Early Registration**

### Tuesday, 18 June

09:00 - 09:45 **Registration**

09:45 - 10:45 **Welcome & Keynote Lecture** (Chair: Tegan Armarego-Marriott)  
**Susanne von Caemmerer** (AUS):  
*The development of C4 rice: current progress and future challenges*

10:45 - 11:00 **Coffee break**

11:00 - 12:30 **Plant Metabolites** (Chair: Tegan Armarego-Marriott)  
**Dirk Prüfer** (D):  
*Improved production and extraction of plant-derived polymers by genetic engineering and chemical mutagenesis*  
**Andreas Weber** (D):  
*Towards a molecular blueprint for engineering C4 photosynthesis*

12:30 - 13:30 **Lunch (not provided)**

13:30 - 15:45 **Making Sense of Omics** (Chair: Dirk Licht)  
**Sue Rhee** (US):  
*Genomic signatures of specialized metabolism in plants*  
**Eve Syrkin Wurtele** (US):  
*Analysis of metabolic and regulatory networks*  
**Manpreet Katari** (US):  
*VirtualPlant: A Software platform for translational Systems Biology research in Crops*

15:45 - 16:15 **Coffee break**

16:15 - 17:45 **Ethics and Good Scientific Practice** (Chair: Dirk Licht)  
**Anne Ingeborg Myhr** (NO):  
*Sustainability and ethical perspectives in innovation processes within agriculture with an special focus on GMOs*  
**André van Steirteghem** (BE):  
*Research and Publication Ethics*

from 18:00 **Poster Session and Evening Reception with BBQ**

## Wednesday, 19 June

08:45 - 09:15 **Registration**

09:15 - 10:45 **Epigenetics** (Chair: Justyna Olas)

**Anna Amtmann** (UK):

*The role of histone modifications for somatic stress memory in plants*

**Ortrun Mittelsten Scheid** (AT):

*Inheritance of acquired traits: a debate with a long history*

10:45 - 11:15 **Coffee break**

11:15 - 12:45 **From Fluxes to Pathways** (Chair: Justyna Olas)

**Louwrance Wright** (D):

*Isotopic labeling of the MEP pathway in Arabidopsis thaliana lines overexpressing 1-deoxyxylylose phosphate synthase, shows the existence of a second methylerythritol cyclodiphosphate metabolite pool.*

**Hannes Link** (CH):

*Inferring metabolic feedback regulation from dynamic metabolite data*

12:45 - 14:00 **Lunch (not provided)**

14:00 - 15:30 **Signalling and Defence** (Chair: Jędrzej Szymanski)

**Patrick van Dijck** (BE):

*Investigation into the function of trehalose metabolism enzymes in higher plants.*

**Junji Yamaguchi** (JP):

*ATL31 ubiquitin ligase, a regulator of the C/N response in Arabidopsis, is also involved in defense response mediated by membrane traffic system*

15:30 - 16:00 **Coffee break**

16:00 - 17:30 **Ethics in Science** (Chair: Jędrzej Szymanski)

**Matin Qaim** (D):

*Genetically modified crops, food security, and sustainable agriculture*

**Panel Discussion** moderated by Claudia Steinert

*Ethics challenges for (plant) research and science*

17:30 – 17:45 **Closing remarks**

Conference venue: Max Planck Institute of Molecular Plant Physiology

Central building of the Max Planck Campus; lecture hall

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