

**Thursday (October 1)**

**13:00 – 13:45**

**Wolfgang Alt (University of Bonn)  
"Julius Sachs and the Campus Poppelsdorf "**

**13:45 – 14:30**

**Dieter Volkmann (University of Bonn)  
"Julius Sachs Botany School: Centre of Excellence in Plant Biology (1850 – 1900) in Central Europe"**

**14:30-15:15**

**Rainer Hedrich (University of Würzburg)  
"Roots of Carnivory - Hunting Cycle of Plant on Animal Diet"**

**15:15 – 16:00 – Coffee Break**

**16:00 – 16:45**

**Ulrich Kutschera (University of Kassel, Stanford University)  
"Basic versus Applied Research: Julius Sachs (1832-1897) and the Experimental Physiology of Plants"**

**16:45 – 17:30**

**Heiner Goldbach (University of Bonn)  
"From the Sachs' Auxanometer to Modern Plant Phenotyping: Examples from the CROP.SENSE.net Project"**

**Friday (October 2)**

**9:00 – 9:30**

**Stefano Mancuso (University of Florence)  
"From Plant to Robot - the Sach's Legacy in Plant Biomimetic"**

**9:30 – 10:00**

**František Baluška (University of Bonn)  
"Plant Root Navigation – Transition Zone Energides in Driver Seats"**

**10:00 – 11:30**

**Viktor Žárský (Charles University)  
"Plant Secretory Pathways Regulation by Light and Biotic Interactions"**

**11:30 – 12:00**

**Ken Yokawa (University of Bonn)**

**"Revisiting the Tanada Effect: Rapid Light Responses of Roots"**

**12:00 – 12:30**

**Stanislav Kopriva (University of Cologne)**

**"Plant Sulfur Nutrition: From Sachs to Big Data"**

**12:30 – 14:00 – Lunch Break**

**14:00 – 14:30**

**Hans Georg Edelman**

**"Symptoms of the Volatile Nature of Auxin-Regulated Root Growth Models"**

**14:30 – 15:00**

**Peter Barlow (University of Bristol)**

**"Secondary Vascular Tissue of Trees: Where Do All the Cells Come From?"**

**15:00 – 15:30**

**Joachim Fisahn**

**"From Sachs to Einstein: When Plant Physiology Meets General Relativity.  
Lunisolar Tidal Force a Unique Timer in Plant Physiology"**

**15:30 – 16:00 – Coffee Break**

**16:30 – 17:00**

**Jozef Šamaj (University of Olomouc)**

**"MAPK Signalling in Plant Development"**

**17:00 – 17:30**

**Vaidurya Pratap Sahi (Charles University)**

**"Expression of MKRN Gene during Plant Embryogenesis"**