



CENTRE FOR  
ORGANISMAL STUDIES



UNIVERSITÄT  
HEIDELBERG  
ZUKUNFT  
SEIT 1386

## COS Symposium 2017 "Senses and Sensitivity"

Im Neuenheimer Feld 230 – Heidelberg Germany



### June 21 (Day 1)

09.00 - 09.15: Welcome note

#### Session 1: "Sensory machineries"

09.15 - 10.15 **The EMBO Keynote Lecture**

**Jonathan Jones** (The Sainsbury laboratory, Norwich)  
*Plant immune receptors; dissection, diversity and deployment*



10.15 - 11.00 **Lucia Prieto-Godino** (University of Lausanne)

*Evolution of olfactory circuits in Drosophila: zombie genes and other surprises*

Coffee Break (11.00 - 11.30)

11.30 - 11.15 **Chris Bowler** (École Normale Supérieure, Paris)

*Epigenetic phenomena in response to environmental signals in plants and marine diatoms*

12.15 - 13.00 **Charalambos Kyriacou** (University of Leicester)

*Molecular bases of rhythmic behaviors in animals*

13.00 - 13.30 **Erika Tsingos** (COS Heidelberg)

*(Speaker selected from abstracts)  
On growth and form in a complex organ: The neural retina drives postembryonic eye morphogenesis in fish*

Lunch and **Poster session 1** (13.30 -15.30)

#### Session 2: "Processing and decoding"

15.30 - 16.15 **Jürgen Gross** (Julius Kühn-Institut, Dossenheim)

*Chemical communication between phytopathogens, their host plants and vector insects – from basic research to applications in plant protection*

16.15 - 17.00 **Anne Pfeiffer** (COS Heidelberg)

*Influence of light on shoot stem cell regulation in plants*

### June 22 (Day 2)

#### Session 2: "Processing and decoding"

09.00 - 09.45 **Michael Brecht** (Bernstein Center for Computational Neuroscience Berlin)  
*Social Touch - the cortical neurobiology of physical contact*

9.45 - 10.30 **Marieke Essers** (Deutsches Krebsforschungszentrum / University of Heidelberg)  
*Hematopoietic stem cells and their niche under inflammatory stress*

Coffee break (10.30 -11.00)

#### Session 3: "Behavior and phenotypic plasticity"

11.00 - 11.45 **Rainer Hedrich** (University of Würzburg)  
*Venus flytrap - a plant on animal diet*

11.45 - 12.15 **Ruediger Hell** (COS Heidelberg)  
*Schmeil Award ceremony for the best PhD in organismal biology at the COS*

Lunch and **Poster session 2** (12.15 - 14.15)

14.15 - 15.00 **Aurelio Teleman** (Deutsches Krebsforschungszentrum / University of Heidelberg)  
*Regulation of mitochondrial function via a dietary lipid*

15.00 - 15.30 **Eva-Sophie Wallner** (COS Heidelberg)  
*(Speaker selected from abstracts)  
Strigolactone and karrikin-independent SMXL proteins are central regulators of phloem formation*

Coffee break (15.30 -16.00)

16.00 - 16.45 **Anke Steppuhn** (Freie Universität Berlin)  
*Plants use insect eggs as telltale signals for an upcoming herbivory*

16.45 - 17.30 **Nicholas S. Foulkes** (Karlsruhe Institute of Technology/COS Heidelberg)  
*Food, light and the evolution of the circadian timing system*

#### Announcement of the poster prize

#### Grill party in front of the COS INF 230 Building (17.45 -)