

# Scientific Program – PlantAdapt2018

## Wednesday, 12th September

16:00 - 18:45	Registration
18:45 - 19:00	Welcome address by <b>Jean-Marc Deragon</b>
19:00 - 20:00	Keynote lecture: Invited speaker <b>Magnus Nordborg</b> (Gregor Mendel Institute) <b>Epigenetic variation in Arabidopsis</b>
20:30 - 23:00	<b>Wine tasting and Welcome Reception</b>

## Thursday, 13th September

### Session 1 Adaptation to Biotic and Abiotic Stresses

Chair: **Olivier Panaud**

9:00	<b>Jean-Marc Deragon (LGDP)</b> <b>Heat-induced post-transcriptional gene reprogramming in Arabidopsis</b>
9:30	<b>Marija Smokvarska (BPMP)</b> <b>The Arabidopsis RHO of plants GTP-ASE ATROP6 regulates early signaling events in response to osmotic stress</b>
9:50	<b>Laura Martins (LGDP)</b> <b>The iron-sulfur glutaredoxin GRXS17 is a redox-dependent chaperone</b>
10:10	<b>Fabien Mounet (LRSV)</b> <b>Water deficiency and potassium supply trigger interconnected signals to modulate wood formation in Eucalyptus</b>
10:40	<b>Break</b>
11:10	<b>Christophe Maurel (BPMP)</b> <b>Root hydraulics: a key trait in plant adaptation to stresses</b>
11:40	<b>Alicia Kairouani (LGDP)</b> <b>Study of a family of proteins containing AGO-HOOK and RRM domains in <i>Arabidopsis thaliana</i>.</b>
12:00	<b>Jean-Philippe Reichheld (LGDP)</b> <b>Nucleoredoxins act in plant fertility and in pathogen-induced oxidative stress by protecting antioxidant enzymes</b>
12:30	<b>Lunch</b>
	<b>Session 2 Natural Variations and Adaptation</b>
	Chair: <b>Josep Casacuberta</b>
14:00	<b>Fabrice Roux (LIPM)</b> <b>Identification of adaptive loci associated with natural variation of microbiota and pathobiota in <i>Arabidopsis thaliana</i></b>
14:30	<b>Richard Berthomé (LIPM)</b>

**Plant responses to biotic and abiotic stresses: Identification of the genetic basis underlying new resistance mechanisms to *Ralstonia solanacearum* under elevated temperature**

15:00 **Ana Montserrat Martín-Hernández (CRAG)**  
**Resistance to Cucumber mosaic virus in melon: A matter of failing to pay the toll**

15:30 **Break**

16:00 **Fernando A. Rabanal (Max-Planck Institute, Tübingen)**  
**Natural variation and regulation of ribosomal RNA genes in *Arabidopsis thaliana***

16:20 **Fabienne Vaillau (LIPM)**  
**Deciphering *Arabidopsis thaliana* responses to bacterial virulence factors of *Ralstonia solanacearum* through the study of natural variation of both biotic partners**

16:50 **Francois-Yves Bouget (LOMIC)**  
**Physiological and metabolic and features of *Ostreococcus* strains adapted to specific marine environmental niches**

17:20 **Presentation and visit of the new Banyuls Aquarium**

20:00 **Dinner**

## **Friday, 14th September**

### **Session 3 Development and Adaptation**

**Chair: Fabrice Roux**

9:00 **Soraya Pelaz (CRAG)**  
**Silencing reveals novel roles for RAV genes in flowering and carpel development in rice**

9:30 **Abraham Trujillo-Hernandez (LGDP)**  
**Root system responses to IBA are controlled by glutathione levels**

9:50 **David Sere (BPMP)**  
**Flying too close to the sun : The expression of a highly transcribed gene is safeguarded by polycomb complexes**

10:10 **Tou Cheu Xiong (BPMP)**  
**Early signaling of iron deficiency in *Arabidopsis thaliana* primary root**

10:40 **Break**

11:00 **Andreas Niebel (LIPM)**  
**Understanding the mode of action of NF-YAI transcription factor during medicago-rhizobia symbiosis**

### **Session 4 Genome Dynamics and Adaptation**

**Chair: Jordi Garcia-Mas**

11:30 **Maria José Aranzana (CRAG)**  
**Somatic mutations, a source of variability in perennial crops**

12:00 **Marie Mirouze (LGDP/DIADE)**  
**Mobilome-seq and Nanopore sequencing: two complementary approaches to unravel genome dynamics in plants**

12:30 **Lunch**

14:00 **Poster session**

15:00 **Julio Saez-Vasquez (LGDP)**  
**Ribosomal RNA processing and modifications: implications in ribosome biogenesis and activity**

15:30 **Fabio Barteri (CRAG)**  
**TEs in Peach and Almond. Same elements, different dynamics**

15:50 **Pere Arùs (CRAG)**  
**Mining and using almond diversity for peach breeding**

16:20 **End of the meeting**