

The TOR kinase signalling pathway in plants

*Lecture Hall Rebischung, Building 10, INRA-Versailles, Route de Saint- Cyr,
Versailles France*

Programme

Monday 5 December 2011

Chairman : Christophe Robaglia

10-12 Registration, informal discussions with coffee

12-2 Lunch (not provided but our canteen is available)

2-2:15 *Christian Meyer, Versailles and Christophe Robaglia, Marseille* **General introduction**

2:15-3 *Mike Hall, Basel, Switzerland* **TOR signaling, from yeast to human**

3-3:45 *Carol MacKintosh, Dundee, Scotland* **Interplay between growth factors and mTOR signalling in regulation of the human 14-3-3-binding phosphoproteome**

3:45-4:15 *Hyun-Sook PAI, Seoul, Korea* **The PP2A regulatory subunit Tap46 controls growth and metabolism in plants**

4:15-4:45 Coffe break

4:45-5:15 *Mohammed Bendahmane, Lyon* **Functional characterization of the Translationally Controlled Tumor Protein, a conserved mitotic growth integrator in animals and plants**

5:15-5:45 *Ramón Serrano, JM Mulet, Valencia, Spain* **TOR activates the plasma membrane proton pump (H⁺-ATPase) in *Arabidopsis* and *Saccharomyces***

5:45-6:15 *Benoît Menand, Marseille* **The TOR signaling pathway in the moss *Physcomitrella patens***

8 pm: Dinner in Versailles

Tuesday 6 December

Chairman : *Christian Meyer*

9:30-10 *José L. Crespo, Sevilla, Spain* **Inhibition of protein synthesis by TOR inactivation revealed a conserved regulatory mechanism of the BiP chaperone in *Chlamydomonas***

10-10:30 *Christoph Ringli, Zürich, Switzerland* **The role of the *Arabidopsis* ROL5 protein in TOR signaling**

10:30-11 Coffee Break

11-11:30 *Chloé Marchive, Versailles* **The *Arabidopsis* TOR kinase is involved in the regulation of seedling development in the dark by controlling its cell wall composition**

11:30-12 *Lyubov A. Ryabova, Strasbourg* **Virus-activated TOR signalling promotes translation reinitiation**

12-12:30 *Ana Giner Rubio, Avignon* **Addressing new insights in plant-virus interactions: plausible host factors involved in the Potyvirus infection cycle.**

12:30-1 *Johannes Hanson, Umeå, Sweden* **Dynamic protein composition of *Arabidopsis thaliana* cytosolic ribosomes in response to sucrose feeding, as revealed by quantitative proteomics**

1-2 Lunch at INRA

2-2:30 *Patrick Giavalisco, Golm Germany* **Long-term regulation of central metabolism through the TOR-pathway**

2:30-3 *Anne-Sophie Leprince, Paris* **Regulation of proline metabolism by phosphatidylinositol 3-Kinase (PI3K) and Target Of Rapamycin complex (TORC1) signalling pathways**

3-3:30 *Sjef Smeeckens, Utrecht, Netherlands* **Signalling networks in sugar-mediated control of metabolism and growth**

3:30-4 Coffee break

4-4:30 *Elena Baena-Gonzalez, Oeiras Portugal* **Dissection of the SnRK1 signaling pathway: connecting stress, growth and development**

4:30-5 *Henriette Schlupepmann, Utrecht, Netherlands* **Metabolism control over growth and development: a case for trehalose-6-phosphate in plants**

5-5:30 *Martine Thomas, Orsay* **The AtSnRK1 complexes : investigating the links between stress, metabolism and development**

Christian Meyer, Versailles and Christophe Robaglia, Marseille **General discussion and conclusions (if we are not running late..)**

5:30 End of meeting