



## RNA Workshop:

### *Post-Transcriptional Control of Microbial Gene Expression*

**Date: Friday, 30 of May 2014**

**Place: Instituto de Tecnologia Química e Biológica, Oeiras- Portugal**

**Friday May 30**

**Chair: Cecilia Maria Arraiano (ITQB Oeiras)**

#### **Session 1**

- 10:00 Welcome by the organizers
- 10:15 **Nucleic acid-guided host defense systems (CRISPR)**  
Daan Swarts, Wageningen UR (Netherlands)
- 10:45 **Facile engineering of synthetic RNA-based signal transduction**  
Alfonso Jaramillo, Univ of Warwick (UK)
- 11:15 **The end is important too: RNase III modulates the expression of a *S. aureus* biofilm repressor through its 3'UTR**  
Margarida Saramago, ITQB- Oeiras (Portugal)
- 11:30- 12:00 **Break**
- 12:00 **Transcription/translation coupling: questions and paradoxes**  
Victor de Lorenzo, CSIC-Madrid (Spain)
- 12:30 **Recruitment of Rho factor in bacterial post-transcriptional regulation**  
Nara Figueroa-Bossi, Centre de Génétique Moléculaire CNRS, Gif-sur-Yvette (France)
- 13:00- 14:45 **Lunch break**

## Session 2

- 14:45      **The second life of the genetic code**  
Manuel Santos, University of Aveiro (Portugal)
- 15:15      **On the role of stoichiometry in small RNA-mediated regulation**  
Lionello Bossi, Centre de Génétique Moléculaire CNRS, Gif-sur-Yvette (France)
- 15:45      **A *Salmonella* Typhimurium sRNA that controls the expression of a protein folding chaperone**  
  
Inês Silva, ITQB- Oeiras (Portugal)
- 16:00      **Modulation of small RNA stabilities and target interaction**  
Vânia Pobre, ITQB- Oeiras (Portugal)
- 16:15      **RNAs, RNases and control of gene expression**  
Cecilia M. Arraiano, ITQB- Oeiras (Portugal)
- 16:45- 17:15      **Break**
- 17:15      **Deciphering the code that controls the pervasive cutting of RNA in *E. coli***  
Kenneth McDowall, University of Leeds (UK)
- 17:45      **Exploring the mechanism of action of exoribonucleases and its biotechnological potential**  
Rute Matos, ITQB- Oeiras (Portugal)
- 18:00      **Small RNAs are central in integrating quorum sensing signals in plant associated pathogens**  
Karina Xavier Instituto Gulbenkian de Ciencia, Oeiras (Portugal)
- 18:30      **End of the workshop**