

Genomic Imprinting and beyond- “*Mono-allelic Expression in Health and Disease*” 21st and 23rd September 2011.

Organisers: Dr David Monk (PEBC-Barcelona) and Dr Robert Feil (CNRS-Montpellier)

Please note, titles of talks are preliminary.

WEDNESDAY

7-9 Registration and drinks

THURSDAY

08:15-9:15 Registration at Hospital St Santa Creu

9:15-9:30 Opening comments

09:30-10:15 KEY NOTE SPEAKER

Howard Cedar (Department of Cellular Biochemistry and Experimental Medicine, Hebrew University Medical School, Jerusalem, Israel)- Replication timing and monoallelic expression: From imprinting to rDNA.

10:15-11:00 Coffee break

Session 1: Mechanisms of mono-allelic expression

11:00-11:30- **Andrew Chess** (Center for Human Genetic Research and Department of Medicine, Harvard Medical School, Boston, USA)- Genome-wide mono-allelic expression

11:30-12:00- **Edith Heard** (Institut Curie, Paris, France)- X-chromosome inactivation and beyond

12:00-12:30- **Amine Khamlichi** (Institut de Pharmacologie et de Biologie Structurale, Toulouse, France)- The immunoglobulin heavy chain locus

12:30-12.50 **Selected junior talk-1**

12:50-3:15 Lunch break & Poster session-I

Session 1: Differential DNA-methylation

3:15-3:45- **Ben Tycko** (Institute for Cancer Genetics and Taub Institute, Columbia University Medical Center, NY, USA)- Genome-wide methods to explore mono-allelic DNA methylation

3:45-4:15- **Albert Jeltsch** (Biochemistry Lab, School of Engineering and Science, Jacobs University, Bremen, Germany)- Non-imprinted allele-specific DNA methylation

4:15-4:45- **Wolf Reik** (Laboratory of Developmental Genetics and Imprinting, The Babraham Institute, Cambridge, UK)- Genome-wide regulation of DNA-methylation

4:45-5:00- **Selected junior talk-2**

5:00-5:30 Coffee break

Session 2: Imprinting mechanisms

5:30-6:00- **Taiping Chen** (Epigenetics Program, Novartis Institutes for Biomedical Research, Cambridge, Massachusetts, USA)- Histone methylation and establishment of imprints.

6:00-6:30- **Rolf Ohlsson** (Department of Microbiology, Tumor and Cell Biology, Karolinska Institute, Stockholm, Sweden)- Genome-wide *H19* interactions

6:30-7:00- **Gavin Kelsey** (Laboratory of Developmental Genetics and Imprinting, The Babraham Institute, Cambridge, UK)- Transcriptional events at the Gnas locus

7:00-7:30- **Free Talk for “breaking research”**

8:30 CONFERENCE DRINKS

FRIDAY

Session 3: Perturbed Mechanisms

9:30-10:00- **Adele Murrell** (Department of Oncology, University of Cambridge, Cancer Research UK Cambridge Research Institute, Cambridge, UK)- Imprinting and cancer

10:00-10:30- **Bernhard Horsthemke** (University of Duisburg-Essen, Essen, Germany)- RB1 in cancer

10:30- 10:45- **Selected junior talk-3**

10:45- 11:00- **Selected junior talk-4**

11:00-11:30 Coffee break

Session 4: Imprinting syndromes

11:30-12:00- **Yves Le Bouc** (Laboratoire d’Explorations Fonctionnelles Endocriniennes, Hopital Armand Trousseau, Paris, France)- SRS and BWS

12:00-12:30- **Karin Buiting** (Institute of Human Genetics at the University Hospital Essen, Essen, Germany)- AS and PWS

12:30-1:00- **Andrea Riccio** (Institute of Genetics and Biophysics ‘A. Buzzati-Traverso’, Naples, Italy) – Epimutations at multiple imprinted loci

1:00-1:15 **Selected junior talk-5**

1:15-1:30 **Selected junior talk-6**

1:30-3:00 Lunch break and Poster session II

Session 5: Imprinting and reproduction

3:00-3:15 **Selected junior talk-7**

3:15-3:30 **Selected junior talk-8**

3:30-3:45 **Anne Ferguson-Smith** (Department of Physiology, Development and Neuroscience, University of Cambridge, UK)- Involvement of ZFP57 in imprinting

3:45-4:15- **Wendy Robinson** (Department of Medical Genetics, University of British Columbia, Vancouver, British Columbia, Canada)- IVF and imprinting

4:15-4:45- **Free Talk for “breaking research”**

4:45-5:00 Closing remarks