

# 3<sup>RD</sup> MEETING OF THE PORTUGUESE SOCIETY FOR DEVELOPMENTAL BIOLOGY

JOINTLY WITH BRITISH SOCIETY FOR DEVELOPMENTAL BIOLOGY  
& SPANISH SOCIETY FOR DEVELOPMENTAL BIOLOGY

## WEDNESDAY, 7<sup>TH</sup> OCTOBER

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- 14:00 - 18:00 Registration and poster setup
- 18:00 - 19:45 **Dinner**
- 19:45 - 20:00 Welcome
- 20:00 - 21:00 **ISDB-MOD Lecture: Austin Smith (Cambridge, UK)**  
*Principles of Pluripotency*
- 21:00 - 22:00 Welcome Reception

## THURSDAY, 8<sup>TH</sup> OCTOBER

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### SESSION I: CELL BIOLOGY & DEVELOPMENT

Chair: António Jacinto

- 09:00 - 09:30 **Kate Storey** (Dundee, UK)  
*Mechanisms of neural differentiation*
- 09:30 - 10:00 **Cristina Pujades** (Barcelona, Spain)  
*Decoding the hindbrain boundaries. From the genomic landscape to the cellular function*
- 10:00 - 10:30 **Leonor Saúde** (Lisboa, Portugal)  
*Differentiation and movement in a developing embryo*
- 10:30 - 11:00 Coffee break
- 11:00 - 11:15 **Berta Alsina** (Barcelona, Spain)  
*Mechanisms for lumen formation: 4D imaging of the inner ear*
- 11:15 - 11:30 **Michel Gho** (Paris, France)  
*Escargot and Scratch regulate neural commitment by antagonizing N-activity in Drosophila sensory organs*
- 11:30 - 11:45 **Harriet Taylor** (London, UK)  
*Sharpening of borders by Eph receptor and ephrin signaling requires cadherin-mediated coordination of cell movement*
- 11:45 - 12:00 **Sol Sotillos** (Seville, Spain)  
*Nuclear fallout provides a new link between aPKC and polarized cell trafficking*

- 12:00 - 12:30 **Ana Carmena** (Alicante, Spain)  
*The Hippo Signaling Pathway Regulates Asymmetric Cell Division*
- 12:30 - 13:00 **Juan R. Martinez-Morales** (Seville, Spain)  
*Quantitative analysis of cellular behaviour and cytoskeletal dynamics during optic cup morphogenesis in zebrafish*

- 13:00 - 15:00 Lunch

- 15:00 - 17:00 Free afternoon (choice of activities to be announced)

- 17:00 - 19:00 **Poster Session I**

- 19:00 - 20:00 Dinner

### SESSION II: STEM CELLS & DEVELOPMENT

Chair: Miguel Manzanares

- 20:00 - 20:30 **Berenika Plusa** (Manchester, UK)  
*Early lineage specification in mammalian embryos*
- 20:30 - 21:00 **Sally Lowell** (Edinburgh, UK)  
*Variability and unpredictability during differentiation of pluripotent cells: the influence of cell adhesion and tissue organization*
- 21:00 - 21:15 **Octavian Voiculescu** (Cambridge, UK)  
*Cell lineages and molecular profile of the axial stem zone*
- 21:15 - 21:45 **Andrew Johnson** (Nottingham, UK)  
*Nanog activity establishes forward momentum in the primitive ectoderm of vertebrate embryos and is conserved in basal metazoans*

## FRIDAY, 9<sup>TH</sup> OCTOBER

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### SESSION III: ORGANOGENESIS I

Chair: Fernando Giraldez

- 09:00 - 09:30 **François Guillemot** (London, UK)  
*Signals and factors regulating adult brain stem cells*
- 09:30 - 10:00 **Claudia Barros** (Plymouth, UK)  
*Neural Stem Cell Dereglulation: A Single-Cell Screening approach to Brain Tumour Initiation*

- 10:00 - 10:30** **Rita Sousa Nunes** (London, UK)  
*Employing Drosophila to uncover neural tumour - microenvironment interactions*
- 10:30 - 10:45** **Flogentec** - Biologic Research Equipment  
*The biology device, FLO400: make your W-ISH faster*
- 10:45 - 11:15** Coffee break
- 11:15 - 11:30 **Gonçalo Neto** (Illkirch, France)  
*Control of embryo and brain symmetry by the retinoic acid coactivator Rere*
- 11:30 - 11:45 **Claudia Linker** (London, UK)  
*Leader cells define directionality of trunk, but not of cranial neural crest migration*
- 11:45 - 12:00 **Rui Monteiro** (Oxford, UK)  
*Transforming Growth Factor beta enables Notch signalling in endothelium to generate haematopoietic stem cells*
- 11:45 - 12:00 **Julien Marcetteau** (Oeiras, Portugal)  
*Understanding the mechanisms maintaining haemocyte proportions in Drosophila melanogaster*
- 12:15 - 12:45** **Anna Philpott** (Cambridge, UK)  
*Division versus differentiation in the developing nervous system*
- 12:45 - 13:15** **Elisa Marti** (Barcelona, Spain)  
*Sonic hedgehog signaling controls the mode of division in the developing nervous system*
- 13.15 - 15:00** Lunch
- 15.00 - 17:00** Free afternoon (choice of activities to be announced)
- 17.00 - 19:00** **Poster Session II**
- 19:00 - 20:00** Dinner

#### SESSION IV: ORGANOGENESIS II

Chair: [Tristan Rodriguez](#)

- 20:00 - 20:30** **Rui Martinho** (Faro, Portugal)  
*Regulation of transcriptional reactivation of the oocyte during meiosis*
- 20:30 - 21:00** **Andrew Oates** (London, UK)  
To be announced

- 21:00 - 21:15 **Allistair McGregor** (Oxford, UK)  
*How to build a spider: Dynamic interplay between Wnt and Delta-Notch signalling directs even skipped expression during segment addition in Parasteatoda tepidariorum*

- 21:15 - 21:45** **Rui Benedito** (Madrid, Spain)  
*Strategies for conditional mosaic gene function analysis in the mouse and stem cells*

#### SATURDAY, 10<sup>TH</sup> OCTOBER

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#### SESSION V: GENE EXPRESSION IN DEVELOPMENT

Chair: [Sólveig Thorsteinsdóttir](#)

- 09:00 - 09:30** **Ana Pombo** (Berlin, Germany)  
*RNA surveillance at Polycomb repressed genes in mouse ES cells*
- 09:30 - 10:00** **José Luís Gomez-Skarmeta** (Seville, Spain)  
*Gene regulation dynamics and chromatin architecture during development and evolution*
- 10:10 - 10:15 **J. Lopez-Rios** (Basel, Switzerland)  
*Mechanisms underlying the evolutionary inactivation of the Ptch1 limb enhancer in artiodactyls*
- 10:15 - 10:30 **Melisa Gomez Velasquez** (Madrid, Spain)  
*Regulation of Genome Architecture during Heart Development*
- 10:30 - 10:45 **Alexandre Raposo** (Oeiras, Portugal)  
*Ascl1 coordinately regulates gene expression and the chromatin landscape during neurogenesis*
- 10:45 - 11:00 **Natalia Soshnikova** (Mainz, Germany)  
*Two Distinct Embryonic Cell Populations Contribute to the Adult Intestinal Stem Cell Pool*
- 11:00 - 11:30** Coffee break
- 11:30 - 12:30** **Plenary: Moisés Mallo** (Oeiras, Portugal)  
*Making trunk or tail structures: who decides?*
- 12:30 - 13:00** Farewell
- 13:30 -15:00** Lunch