



Developmental Biology Module - 2014

Institute for Molecular and Cellular Biology (IBMC)

Coordinator: Paulo Pereira (paulop@ibmc.up.pt)

Program:

Monday 10th, 9h30-10h30:

Paulo Pereira (IBMC)

"Course overview and the Developmental Biology perspective"

Monday 10th, 10h30-12h30:

Renata Freitas (IBMC)

"Shaping animal design: approaches on development and evolution."

Monday 10th, 14h30*-17h30 (* For the rest of the week lectures start at 14h00)

Pedro Domingos (ITQB, Lisboa)

"The role of Ire1 signaling during photoreceptor differentiation and degeneration".

Tuesday 11th, 9h30-12h30:

Rui Martinho (Dep. de Ciências Biomédicas e Medicina, Universidade do Algarve):

"Requirement for highly efficient pre-mRNA splicing during Drosophila early embryonic development"

Tuesday 11th, 14h00-17h00:

José Bessa (IBMC)

"The zebrafish, a model to study transcriptional regulation during development."

Wednesday 12th, 10h30-12h30:

Paulo Pereira (IBMC)

"The genetic control of cell differentiation and tissue growth in Drosophila".

Wednesday 12th, 14h00-17h00:

Leonor Saúde (IMM, Lisboa)

"Establishing the Left-Right Axis in Vertebrates"

Thursday 13th, 9h30-12h30:

Rita Sousa-Nunes (MRC Centre for Developmental Neurobiology, King's College, London)

"Neurodevelopment and disease using Drosophila as a model"

Thursday 13th, 14h00-17h00:

Diogo Castro (IGC, Lisbon)

"Transcriptional control of vertebrate neurogenesis by Proneural and Notch pathways"

Friday 14th, 9h30-12h30:

Jose F. de Celis (Centro de Biología Molecular "Severo Ochoa", Madrid)

1) *Developmental biology of the Drosophila wing imaginal disc*

2) *From Genetic screens to genetic analysis of signalling pathways components*

3) *The Spalt transcription factors*

Reading list and information for Journal Clubs:

<https://www.dropbox.com/sh/r9xc2pedc1clvec/GN3nu72Kxm>