



Venue: Hotel Eden Roc: <https://www.edenrochotel.com/>

## 3rd Annual Meeting – ReDevNeural

**“An integrative approach to understand the logic of neural development”**

**San Feliu del Guixols, Spain. 7-8 June 2018**

### Organizing committee

#### Keynote Speakers

**Carol Mason**  
(Columbia University)

**Steve Wilson**  
(U. College London)

**Linda Richards**  
(U. of Queensland)

**Elisa Martí. IBMB**

**Marta Nieto. CNB**

**Berta Alsina. UPF**

**JR. Martínez-Morales CABD**

**Noemí Tabanera (secretary)**

### Confirmed Speakers

**Paola Bovolenta. CBMSO. Madrid**

**Fernando Casares. CABD. Sevilla**

**Mariona Arbones. IBMB. Barcelona**

**JL. Gómez-Skarmeta. CABD. Sevilla**

**Eloisa Herrera. INA. Alicante**

**Manuel Irimia CRG. Barcelona**

**Cristina Pujades UPF. Barcelona**

**Javier López-Ríos CABD. Sevilla**

**Leonardo Beccari U. Geneva**



<http://redevneural.cbm.uam.es>



## Program:

### Thursday June 7<sup>th</sup>

-15:30-16:00 **Welcome and Opening Words (Organizers)**

-16:00-16:40 **Keynote Speaker 1: Prof. Steve Wilson.** (U. College, London). TBA

**S1: Sensory systems development and evolution.** Chair (Juan R. Martínez-Morales)

-16:45- 17:05 **Prof. Paola Bovolenta.** (CBMSO-CSIC, Madrid). Specification of the RPE and its implications in optic cup morphogenesis

-17:05- 17:25 **Dr. Fernando Casares** (CABD, UPO-CSIC. Seville). The makings of the visual systems in Drosophila and beyond.

-17:25- 17:45 **Dr. Berta Alsina** (UPF, Barcelona). The ins and outs of otic sensory neurogenesis  
17:45-18:15 Coffee break

**S2: Gene regulatory mechanisms in evolution and disease.** Chair (Manu Irimia)

-18:15-18:35 **Prof. José Luis Gómez-Skarmeta** (CABD, UPO-CSIC. Seville). Epigenetic response to signalling pathways.

-18:35-18:55 **Dr. Manuel Irimia** (CRG-Barcelona) Functional and evolutionary implications of neuronal microexons

-18:55-19:15 **Dr. Javier López-Ríos** (CABD, UPO-CSIC. Seville). Molecular mechanisms of morphological evolution

-19:15-19:35 **Dr. Leo Beccari** (U. of Geneva, Switzerland). Impact of chromatin architecture and enhancer activity in Hoxd gene regulation and its evolution

**19:35- Dinner and Social event**

### Friday June 8<sup>th</sup>

-9:00-9:40 **Keynote Speaker 2: Prof. Linda Richards** (Queensland Brain Institute, Australia). TBA

**S3: Assembling neural circuits and domains.** Chair (Berta Alsina)

-9:40-10:00 **Javier Vázquez Marín** (Martinez-Morales' lab. CABD, UPO-CSIC. Seville). Evolutionary analysis of YAP/TAZ-dependent transcriptional response in teleost embryos

-10:00-10:20 **Dr. Eloisa Herrera** (INA-CSIC. Alicante). Molecular Mechanisms Underlying the Formation of Bilateral Circuits

-10:20-10:40 **Dr. Cristina Pujades** (Universidad Pompeu Fabra. Barcelona). Decoding the role of hindbrain boundaries as mechanical sensors and mediators of cell fate.

10:40-11:10 Coffee break

**S4: Cerebral cortex formation and pathologies.** Chair (Elisa Marti)

-11:10-11:30 **Isabel Pijuan** (Arbones' lab. IBMB. Barcelona). microRNA regulation of transcriptional networks in cortical radial glia progenitors

-11:30-11:50 **Dr. Marta Nieto** (CNB-CSIC. Madrid). Sculpting of the corpus callosum during development.

-11:50-12:10 **Prof. Elisa Marti** (IBMB, Barcelona). TBA

-12:10-12:50 **Keynote Speaker 3: Prof. Carol Mason** (Columbia University). Wiring the embryonic eye to the brain for binocular vision.

-13:00-14:30. **Strategic Discussion and Final Concluding words.** Chair (Paola Bovolenta).

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