Schedule

9:30 - 10:15 **Guillaume Filion** (Genome Architecture Group Leader - CRG)
Chromatin plasticity

10:15 - 10:40 **Neus Martínez** (Multicellular Systems Biology group)
Morphometrics showing genetics: semiautomatic tools for quantitative shape analysis in biomedical research

10:40 - 11:05 **Felix Campelo** (Intracellular Compartmentation group)
How can lipids and proteins shape membranes to regulate protein export?

11:05 - 11:30 Coffee break

11:30 - 11:55 **Lluís Morey** (Epigenetic Events in Cancer group)
What are the molecular mechanisms that drive embryonic stem cell differentiation?

11:55 - 12:20 **Thomas Pengo** (Design of Biological Systems group)
Image analysis for quantitative biology at the nanoscale

12:20 - 12:45 **Ombretta Foresti** (Organelle biogenesis and homeostasis)
Sterol homeostasis requires regulated degradation of squalene monooxygenase by the ubiquitin ligase Doa10/Teb4

12:45 - 13:10 **Dmitry Pervouchine** (Computational Biology of RNA Processing group)
Conserved architecture of human and mouse transcriptomes

13:30 - 14:30 Lunch

14:30 - 14:55 **Laurence Wurth** (Regulation of Protein Synthesis in Eukaryotes group)
Oncogenic properties of the RNA-binding protein UNR:Targets in melanoma

14:55 - 15:20 **Juanjo Fraire** (Biomechanics of Morphogenesis / Comparative Analysis of Developmental Systems groups)
Biophysics and evolution - comparative tissue dynamics in flies and midges

15:20 - 15:45 **Yolanda Schaerli** (Gene Network Engineering group)
A design space for synthetic stripe-forming networks

15:45 - 16:15 Coffee break

16:15 - 16:40 **Daniela Sanges** (Reprogramming and Regeneration group)
Wnt/β-catenin signalling triggers neuron reprogramming and regeneration in the mouse retina

16:40 - 17:40 **Joan Richtsmeier** (Invited speaker: Pennsylvania State University)
Opportunities for growth disguised as unsolvable problems

17:40 - 18:00 Conclusion and closing remarks