

FENS-SFN SUMMER SCHOOL 2018

“NEURAL STEM CELLS, BRAIN ORGANOIDS AND BRAIN REPAIR”

3-9 June 2018

Bertinoro University Centre (CeUB), Italy

Programme

Sunday, June 3, 2018

6:00 pm	Welcome Drinks and Buffet
8:00 – 10:00 pm	School Introduction Introduction of students and faculty

Monday, June 4, 2018

9:00 – 10:30 am	Oliver Brüstle <i>Institute of Reconstructive Neurobiology, LIFE & BRAIN Centre, University of Bonn, Germany</i> <i>In vitro human neural stem cell systems and their biomedical application</i>
10:30 – 11:00 am	<i>Coffee break</i>
11:00 am – 12:30 pm	Elena Cattaneo <i>Centre for Stem Cell Research, University of Milan, Italy</i> <i>Modelling Huntington's Disease with human pluripotent stem cells</i>
12:30 – 2:00 pm	<i>Lunch</i>
2:00 – 4:00 pm	Students: group work on grant proposals
4:00 – 4:30 pm	<i>Coffee break</i>
4:30 – 6:00 pm	Sergiu Pasca <i>Stanford University, CA, USA</i> <i>Introduction to neuro-psychiatric disorders & iPS cell models</i>
6:00 – 7:30 pm	Poster Session 1
7:30 – 9:30 pm	<i>Dinner</i>

Tuesday, June 5, 2018

9:00 – 10:30 am	Madeline Lancaster <i>Cell Biology Division, Medical Research Council (MRC) Laboratory of Molecular Biology, Cambridge Biomedical Campus, UK</i> <i>Modeling Human Brain Development in Cerebral Organoids</i>
10:30 – 11:00 am	Coffee break
11:00 am – 12:30 pm	Sergiu Pasca <i>Stanford University, CA, USA</i> <i>Assembling Three-Dimensional Models of the Brain to Study Human Development and Disease</i>
12:30 – 2:00 pm	Lunch
2:00 – 4:00 pm	Students: group work on grant proposals
4:00 – 4:30 pm	Coffee break
4:30 – 6:00 pm	Lorenz Studer <i>Center for Stem Cell Biology, Memorial Sloan Kettering Cancer Center, USA</i>
6:00 – 7:30 pm	Poster Session 2
7:30 – 9:30 pm	Dinner

Wednesday, June 6, 2018

9:00 – 10:30 am	Barbara Treutlein <i>Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany</i> <i>Introduction into single cell RNA Seq and bioinformatic analysis</i>
10:30 – 11:00 am	Coffee break

11:00 am – 12:30 pm	Giuseppe Testa <i>Department of Oncology and Hemato-Oncology, University of Milan, Italy</i> <i>The chromatin basis of neurodevelopmental vulnerability: insights from brain organoid models</i>
12:30 – 1:30 pm	Lunch
1:30 – 11:00 pm	Touring Activity and Dinner (RAVENNA)

Thursday, June 7, 2018

9:00 – 10:30 am	Juergen A. Knoblich <i>IMBA - Institute of Molecular Biotechnology, Austrian Academy of Science, Austria</i> <i>Cerebral organoids: modelling human brain development and tumorigenesis in stem cell derived 3D culture</i>
10:30 – 11:00 am	Coffee break
11:00 am – 12:30 pm	Arnold Kriegstein, <i>Eli and Edythe Broad Center of Regeneration Medicine and Stem Cell Research, UCSF, USA</i> <i>A new understanding of human brain development in health and disease</i>
12:30 – 2:00 pm	Lunch
2:00 – 4:00 pm	Journal club on classical papers
4:00 – 4:30 pm	Coffee break
4:30 – 6:00 pm	Barbara Treutlein <i>Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany</i> <i>Reconstructing uniquely human neurogenesis using single-cell transcriptomics</i>
6:00 – 7:30 pm	Poster Session 3
7:30 – 9:30 pm	Dinner

Friday, June 8, 2018

9:00 – 10:30 am	<p>Wieland Huttner <i>Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany</i> <i>Human-specific genes, neural stem cell amplification, and neocortex expansion in development and human evolution</i></p>
10:30 – 11:00 am	Coffee break
11:00 am – 12:30 pm	<p>Hank Greely <i>President of the International Neuroethics Society</i> <i>Center for Law and the Biosciences, USA</i> <i>Neuroethics and its Importance for Neuroscientists</i></p>
12:30 – 2:00 pm	Lunch
2:00 – 4:00 pm	Presentations of group work on grant proposals
4:00 – 4:30 pm	Coffee break
4:30 – 6:00 pm	Ethics debate
6:00 – 7:00 pm	Wrap-up, feedback session
7:00 pm	Farewell Dinner

Saturday, June 9, 2018

7:30 – 9:00 am	Breakfast
9:00 am	Depart