

Hydra VI Summer School: Stem Cells & Regenerative Medicine

Saturday 11th September

16:30	Registration, welcome and refreshments	
18:00	Workshop: Stem cell concepts and definitions	Austin Smith & Clare Blackburn
19:00	Plenary lecture: Haematopoietic stem cells	Ihor Lemischka
20.30	SHORT BREAK	
21:00	OPENING DINNER: Douskos Taverna	

Sunday 12th September Paradigm Stem Cell Systems

09:00	Skin and hair follicle stem cells	Yann Barrandon
10:30	COFFEE	
11:00	Neural stem cells	Elena Cattaneo
12:00 - 17:00	BREAK – Boat Trip & Barbeque	
17:00	Intestinal stem cells	Nick Barker
18:00	COFFEE	
18:30	Embryonic stem cells	Austin Smith
19:30	SHORT BREAK	
20:00	Posters and refreshments	

Monday 13th September Paradigm Stem Cell Systems

08:30	Single cell imaging in stem cell biology	Timm Schroeder
09:30	Stem cell-niche interactions	Teri Moore
10:00	COFFEE	
10:30	Systems approaches to stem cell biology	Ihor Lemischka
11:30 – 15:00	BREAK	
15:00	Small group discussions I	
16:00	Engaging publics in stem cell research	Emma Kemp & Danielle Nicholson
17:00	COFFEE	
17:30	Stem cells in development	Valerie Wilson
18:30	COFFEE	
19:00	Neural crest stem cells	Lukas Sommer
20:00	Posters and refreshments	

Tuesday 14th September

Regulation and Dysregulation: Transcriptional Regulation

09:00	Transcriptional networks in pluripotent stem cells	Ian Chambers
10:00	COFFEE	
10:30	Ethical issues post iPS	Göran Hermerén
12:00 – 15:00	BREAK	
15:00	Small group discussions II	
16:00	Regulation of muscle stem cell fate	Margaret Buckingham
17:00	COFFEE	
17:30	CommuniCake	Clare Blackburn & Emma Kemp with all Faculty
18:30	COFFEE	
19:00	Cell identity during regeneration in Axolotl	Elly Tanaka
20:00	Posters and refreshments	

Wednesday 15th September

Regulation and Dysregulation: Regulation and Dysregulation in vivo

09:00	Stem cell plasticity	Yann Barrandon
10:00	COFFEE	
10:30	Skin stem cells during cancer development	Cedric Blanpain
12:00 – 16:00	BREAK	
16:00	Small group discussions III	
17:00	Genetic analysis of asymmetric cell division in stem cells: What we can learn from fruit flies and how we can transfer to vertebrates	Jürgen Knoblich
18:30	COFFEE	
19:00	Generating mid-brain dopaminergic neurons from ES cells	Meng Li
20:00	FREE EVENING	

Thursday 16th September

Regulation and Dysregulation: Regulation and Dysregulation in vitro

09:00	Notch, hypoxia and stem cells	Urban Lendahl
10:15	COFFEE	
10.45	Polycomb regulation of cell fate	Maarten van Lohuizen
12:00 – 15:00	BREAK	
15:00	Small group discussions IV	
16:00	ES cell fate change and reprogramming	Austin Smith
17:00	COFFEE	
17:30	Reprogramming to pluripotency – practical considerations and mechanistic insights	Keisuke Kaji
18:30	COFFEE	
19:00	Stem cells and leukemia	Tariq Enver
20:00	Posters and refreshments	

Friday 17th September

Into the Clinic

09:00	Therapeutic plasticity of neural stem cells	Gianvito Martino
10:00	COFFEE	
10:30	Cardiac stem cells and the use of iPS cells for disease modeling	Karl Laugwitz
11.30	COFFEE	
12:00	Cell and gene therapy of epithelial disorders	Michele De Luca
13:00 – 17.00	BREAK	
17.00	Small group discussions V	
18:00	Towards cell therapy for muscular disease	Giulio Cossu
19:00	SHORT BREAK	
19:30	Closing session	Austin Smith & Giulio Cossu
20:00	SHORT BREAK	
20:30	CLOSING DINNER: Bratsera Restaurant	

Saturday 18th September

Participants Depart