

# Hydra XIII 2017: European Summer School on Stem Cells & Regenerative Medicine

Draft Programme – 15/05/2017

## Sunday 10<sup>th</sup> September

17:00	Registration and refreshments	
18:00	Introduction – Stem Cell Concepts and Definitions	Sally Lowell, Kim Jensen
18:45	<b>Plenary Lecture</b>	Janet Rossant
20:30	SHORT BREAK	
21:00	OPENING DINNER	

## Monday 11<sup>th</sup> September

### Paradigm Stem Cell Systems

09:00	Pluripotent stem cells	Austin Smith
10:15	COFFEE	
11:00	Intestinal stem cells	Marc van de Wetering
12:00 - 17:00	BREAK – Boat trip and barbeque picnic	
17:00	Muscle stem cells	Shahragim Tajbakhsh
18:15	COFFEE	
18:45	Haematopoietic stem cells	Bertie Göttgens
20:00	POSTERS AND REFRESHMENTS	

## Tuesday 12<sup>th</sup> September

### Paradigm Stem Cell Systems

09:00	Epidermal stem cells	Kim Jensen
10:00	COFFEE	
10.30	Inspire 1: Communicating your research to a non-specialist audience	Jan Barfoot, Cathy Southworth
12:00 - 16:00	BREAK	
12:00 - 13:00	Inspire 2: Getting out there – activities, games, and videos	
15:00	Small group discussions	
16:00	Neural stem cells	Steve Pollard
17:00	COFFEE	
17:30	Communicake: revisiting the lectures	Jan Barfoot, Cathy Southworth
18:45	SHORT BREAK	
19:00	Single cell analysis	Bertie Göttgens
20:00	POSTERS AND REFRESHMENTS	

## Wednesday 13<sup>th</sup> September

### Regulation and Dysregulation: Regulation of cell identity & fate decisions *in vivo* and *in vitro*

09:00	Epigenetic regulation in stem cells and development	Petra Hajkova
10:00	COFFEE	
10:30	Animal models in regeneration	Jochen Rink
12:00 - 16:00	BREAK	
12:00–13:00 15:00	Inspire 3: Wikipedia – diving in Small group discussions	
16:00	Pancreatic stem cells	Anne Grapin-Botton
17:00	COFFEE	
17:30	Regulation of organ size in development and regeneration	Stefano Piccolo
18:30	BREAK	
19:00	Tissue Engineering in stem cell biology	Matthias Lutolf
20:00	POSTERS AND REFRESHMENTS	

## Thursday 14<sup>th</sup> September

### Regulation and Dysregulation: Regulation of cell identity & fate decisions *in vivo* and *in vitro*

09:00	Genome engineering and synthetic biology	Steve Pollard
10:00	COFFEE	
10:30	Cell fate decisions in vitro	Sally Lowell
11:30	SHORT BREAK	
12:00	Communicake: revisiting the lectures	Jan Barfoot, Cathy Southworth
13:00 - 17:30	BREAK	
16:30 16:30	Inspire 4: Getting out there - Open days and science festivals Small group discussions	
17:30	Tissue Homeostasis during Ageing	Allison Bardin
18:30	COFFEE	
19:00	Stem Cells in the ageing haematopoietic system	Gerald de Haan
20:00	FREE EVENING	

## Friday 15<sup>th</sup> September

### Regulation and Dysregulation: Degeneration, regeneration & cancer

09:00	Cell therapy for muscular dystrophy / Skeletal stem cells	Giulio Cossu
10:00	COFFEE	
10:30	Ethical issues around stem cell research and regenerative medicine	Sarah Chan, Göran Hermerén
12:30 - 16:00	BREAK	
12:30-13:30	Inspire 5: Getting out there – patient engagement	
15:00	Small group discussions	
16:00	Regulation and dysregulation of stem cells	Kim Jensen
17:00	COFFEE	
17:30	Organoids	Marc van de Wetering
18:30	SHORT BREAK	
19:00	Cardiomyocytes	Christine Mummery
20:00	POSTERS AND REFRESHMENTS	

## Saturday 16<sup>th</sup> September

### Realising the promise

09:00	Human genome editing- the opportunities and the ethical challenges ahead	Janet Rossant
10:00	COFFEE	
10:30	Debate	All students and faculty
11.30	SHORT BREAK	
12:00	Epidermal stem cells	Michele de Luca
13:00 – 18:00	BREAK	
17:00	Small discussion groups	
18:00	Growing organs from iPS cells: the next generation of regenerative medicine	Hiro Nakauchi
19:30	SHORT BREAK	
20:00	CLOSING DINNER	

## Sunday 17<sup>th</sup> September

Participants depart.