

Sunday 15th September		
17:00	Registration and refreshments	
18:00	Sally Lowell & Kim Jensen	Introduction: Stem Cell Concepts and Definitions
18.45	Ivan Ivanov	FEBS and EMBO
19:00	Janet Rossant	Plenary Lecture: Making a blastocyst – lineages and stem cells
20:30	Break	
21:00	Opening dinner	

Monday 16 th September - Paradigm Stem Cell Systems		
09:00	Austin Smith	Pluripotent stem cells
10:00	Break with refreshments	
10:30	Jim Wells	Lessons from tissue development in the embryo
11:30	Networking event/free time	
17:00	Shahragim Tajbakhsh	Muscle stem cells
18:15	Break with refreshments	
18:45	Connie Eaves	Haematopoietic stem cells
20:00	Poster Session 1 with refreshments	

Tuesday 17 th September - Paradigm Stem Cell Systems Cont'd		
09:00	Cedric Blanpain	The EMBO Keynote Lecture: Epidermal stem cells
10:00	Break with refreshments	
10:30	Jan Barfoot	Inspire 1: Communicating your research to a non-specialist audience
12:00		Inspire 2: Getting out there – activities, games, and videos
13:00	Free time	
15:00	Small Group Discussions	
16:00	Agnete Kirkeby	Neural stem cells
17:00	Break with refreshments	
17:30	Andreas Trumpp	Stem cell analysis at the single cell level
18:30	Break with refreshments	
19:00	Jan Barfoot and faculty	Revisiting the lectures: Participants are asked to extract the major points from the lectures, and are provided with an opportunity to ask additional questions to the faculty.
20:00	Poster Session 2 with refreshments	

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Wednesday 18 th September – Regulation and Dysregulation		
09:00	Sally Lowell	Cell Fate Choice: Ready, set, differentiate!
10:00	Break with refreshments	
10:30	Andreas Trumpp	Cancer Stem Cells
11:30	Free time	
15:00	Small Group Discussions	
16:00	Kim Jensen	Tissue expansion during development and regeneration
17:00	Break with refreshments	
17:30	Clare Blackburn	Mechanisms controlling thymus formation and regeneration
18:30	Poster Session 3 with refreshments	
20:00	Free evening	

Thursday 19 th September – Making Tissues In Vitro		
09:00	Matthias Lutolf	General principles of Tissue Engineering
10:00	Break with refreshments	
10:30	Henrik Semb	Pancreas development in vivo and in the dish
11:30	Break with refreshments	
12:00	Jan Barfoot and faculty	Revisiting the lectures
13:00	Free time	
15:30	Small group discussions	
16:30	Jan Barfoot	Inspire 3: Science writing
17:30	Matthias Lutolf	Applications of Tissue Engineering
18:30	Break with refreshments	
19:00	Jim Wells	From development and disease modelling to therapies
20:00	Poster Session with refreshments	

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Friday 20 th September - Realising the promise		
09:00	Connie Eaves	EMBO Women in science Lecture: Science leadership for everyone
10:00	Break with refreshments	
10:30	Janet Rossant	EMBO Science Policy Lecture: Human embryology and genome editing- opportunities and ethical challenges
11:30	Jan Barfoot	Inspire 4: Getting out there - Patient Engagement
12:30	Free time	
15:00	Small Group Discussions	
16:00	Cedric Blanpain	Targeting cancer stem cells in malignant disease
17:00	Break with refreshments	
17:30	Christine Mummery	Cardiomyocytes from human pluripotent stem cells in regenerative medicine and drug discovery
18:30	Break with refreshments	
19:00	Allen Eaves	Creative destruction – a path to success outside academia
20:00	Poster Session 4 with refreshments	

Saturday 21 st September		
09:00	Agnete Kirkeby	Making functional neurons for Parkinson's disease treatment
10:00	Break with refreshments	
10:30	Henrik Semb Towards cell therapy for diabetes	
11:30	Break with refreshments	
12:00	Debate: reiteration of key questions and lessons. All students and faculty	
13:00	Free time	
17:00	Small Group Discussions	
18:00	Michele de Luca	Regenerative medicine with somatic stem cells: the paradigm of epithelial stem cells
19:30	Summer school closure	Announcement of poster winners.
20:00	Closing dinner	

Sunday 22 nd September		
Participants leave Hydra		