Stem Cell Biology Discussion Course Schedule, 2017-2018

Term 1: Introduction to the SCI (presentations from the PIs)

Term 1 consists of an introductory lecture course, when we invite each participating SCI PI to give a 20 minute talk about their lab's work. This allows you to put a face to the name, hear what each lab does, and give you a thorough initial grounding in all of the aspects of Stem Cell Biology represented in the SCI.

2016 Date	Session Topics	Session Leaders
Full Michaelmas Term: Tue 3 Oct - Fri 1 Dec 2017		
06-Oct-17	Introduction to Stem Cell Biology	**Austin Smith & Ben Simons**
11-Oct-17	Regenerative Medicine and Cell Therapy	**Roger Barker**
	Human Pluripotent Cells to Model Early Development and Disease	**Ludovic Vallier**
	Regenerative Medicine and Cell Therapy	**Stefano Pluchino**
18-Oct-17	Regenerative Medicine and Cell Therapy	**Sanjay Sinha**
		Cedric Ghevaert
25-Oct-17	Normal and Malignant Blood Stem Cells (Session I)	**Bertie Gottgens**
		Simon Mendez-Ferrer
		Tony Green
		Ana Cvejic
01-Nov-17	Regenerative Medicine and Cell Therapy	**Andrew McCaskie**
	Gaining, Regaining & Losing Pluripotency	**Jose Silva**
		Brian Hendrich
		Jenny Nichols
08-Nov-17	Normal and Malignant Blood Stem Cells (Session II)	**Daniel Hodson**
		Ingo Ringshausen
15-Nov-17	Epithelial Stem Cells and Cancer	**Maria Alcolea**
		Joo-Hyeon Lee
	Physical and Computational Aspects of Stem Cell Biology	**Kevin Chalut**
22-Nov-17	Normal and Malignant Blood Stem Cells (Session III)	**Brian Huntly**
		Elisa Laurenti
		David Kent
		George Vassiliou
29-Nov-17	Neural Stem Cells	**Anna Philpott**
08-Dec-17	Neural Stem Cells	**David Rowitch**
		Robin Franklin
		Thora Karadottir

Terms 2 & 3: Stem Cell Biology Discussion Sessions

The 2nd and 3rd terms comprise the real "Discussion" part of the Course. The lead PIs each week will identify 2-3 papers for you to read prior to the session, and a list of key concepts/ideas to be discussed. The PI(s) will lead a joint "discussion" session with the students, but WILL NOT deliver a lecture; everyone will participate in discussion.

Date	Session Topics	Session Leaders
Full Lent Term: Tues 16 Jan - Fri 16 Mar 2018		
10-Jan-18	Embyros and Embryonic Stem Cells	**Austin Smith and Jenny Nichols**
17-Jan-18	Stem Cell Niche	**Michaela Frye & Christine Watson**
24-Jan-18	Epithelial Stem Cells	**Maria Alcolea and Meritxell Huch**
31-Jan-18	Progenitor maintenance vs differentiation in the nervous system	**Anna Philpott & David Rowitch**
7-Feb-18	Multisystem Regulation of Stem Cells	**Simon Mendez-Ferrer & Cedric Ghevaert**
14-Feb-18	Stem Cell Transplantation Therapy	**Roger Barker & Stefano Pluchino**
21-Feb-18	Lineage Commitment	**Brian Hendrich & Alfonso Martinez-Arias**
28-Feb-18	How to Design and Interpret Single Cell Experiments	**Bertie Gottgens *w. Nicola Wilson & Fiona Hamey***
7-Mar-18	Blood Cell Disorders	**Brian Huntly & Daniel Hodson**
Full Easter Term : Tues 24 Apr - Fri 15 Jun 2018		
18-Apr-18	Blood Stem Cells	**Elisa Laurenti & David Kent**
25-Apr-18	Disease Modelling with Stem Cells	**Sanjay Sinha & Florian Merkle**
1-May-18	Reprogramming to Pluripotency: The Germ Line and iPS	**Jose Silva & Azim Surani**
9-May-18	Organoid Models and Applications	**Joo-Hyeon Lee & Meritxell Huch**
16-May-18	Stem Cell Computing	**Sara-Jane Dunn & Paul Bertone**
23-May-18	Cancer Stem Cells	**Doug Winton & Jasmin Fisher**
30-May-18	Physical Forces & Mechanisms in Stem Cell Fate Regulation	**Kevin Chalut & Kristian Franze**
6-Jun-18	Genome Editing Techniques	**George Vassiliou & Allan Bradley**
13-Jun-18	Neural Stem Cells	**Robin Franklin**