

Stem Cell Biology Discussion Course Schedule, 2016-2017

Term 1: Introduction to the SCI (*presentations from the Supervisors*)

NOTES: Term 1 sessions are intended as an introduction for the students to each lab. Each PI will lead a separate 30 minute presentation session on the given theme.

Full Michaelmas Term: Tue 4 Oct - Fri 2 Dec

2016 Date	Session Topics	Session Leaders
04-Oct-16	Introduction to Stem Cell Biology	Austin Smith & Ben Simons
12-Oct-16	Physical and Computational Aspects of Stem Cell Biology Regenerative Medicine and Cell Therapy (Session I)	Kevin Chalut Sanjay Sinha
19-Oct-16	Gaining, Regaining & Losing Pluripotency	Azim Surani Brian Hendrich Jose Silva Jenny Nichols
26-Oct-16	Normal and Malignant Blood Stem Cells (Session I)	Ingo Ringshausen Simon Mendez-Ferrer Tony Green
02-Nov-16	Epithelial Stem Cells and Cancer (Session I)	Maria Alcolea Joo-Hyeon Lee
09-Nov-16	Normal and Malignant Blood Stem Cells (Session II) Neural Stem Cells (Session I)	George Vassiliou Brian Huntly David Kent David Rowitch
16-Nov-16	Normal and Malignant Blood Stem Cells (Session III)	Daniel Hodson Elisa Laurenti Bertie Gottgens Cedric Ghevaert
23-Nov-16	Neural Stem Cells (Session II) Epithelial Stem Cells and Cancer (Session II)	Thora Karadottir Anna Philpott Bon-Kyoung Koo
30-Nov-16	Regenerative Medicine and Cell Therapy (Session II) Neural Stem Cells (Session III)	Roger Barker Andrew McCaskie Stefano Pluchino Robin Franklin
07-Dec-16	Human Pluripotent Cells to Model Early Development and Disease Normal and Malignant Blood Stem Cells (Session IV)	Ludovic Vallier Ana Cvejic

Terms 2 & 3: Stem Cell Biology Discussion Sessions

NOTES: The PI(s) leading each of these Term 2 & 3 sessions should identify 2-3 papers for the students 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. No one will "present" the paper; everyone will participate in discussion. Sessions are expected to last approximately 2 hours.

Full Lent Term: 17th January - 17th March

Date	Session Topics	Session Leaders
04-Jan-17	Embryos and Embryonic Stem Cells	Austin Smith and Jenny Nichols
11-Jan-17	Multisystem Regulation of Stem Cells	Simon Mendez-Ferrer & Cedric Ghevaert
18-Jan-17	Stem Cell Niche	Michaela Frye & Christine Watson
25-Jan-17	Epithelial Stem Cells	Maria Alcolea and Meritxell Huch
1-Feb-17	Cancer Stem Cells	Doug Winton (& Jasmin Fisher?)
8-Feb-17	Stem Cell and Developmental Processes	Alfonso Martinez-Arias & Jenny Nichols
15-Feb-17	Stem Cell Transplantation Therapy	Roger Barker & Stefano Pluchino
22-Feb-17	Lineage Commitment	Brian Hendrich & Alfonso Martinez-Arias
1-Mar-17	Challenges of Dealing with Genome-Scale Data in Stem Cell Research	Bertie Gottgens & Paul Bertone
8-Mar-17	Blood Cell Disorders	Brian Huntly
<i>Full Easter Term : 25th April - 16th June</i>		
19-Apr-17	Blood Stem Cells	Elisa Laurenti & David Kent
26-Apr-17	Genome Editing Techniques	Bon-Kyoung Koo & George Vassiliou
3-May-17	Neural Stem Cells	Robin Franklin
10-May-17	Organoid Models and Applications	Joo-Hyeon Lee & Meritxell Huch
17-May-17	Stem Cell Computing	Sara-Jane Dunn (Microsoft) & Paul Bertone
24-May-17	Cell Cycle Regulation of Stem Cell Fate	Anna Philpott & Ludovic Vallier
31-May-17	Physical Forces & Mechanisms in Stem Cell Fate Regulation	Kevin Chalut & Kristian Franze
7-Jun-17	Reprogramming to Pluripotency: The Germ Line and iPS	Jose Silva & Azim Surani
14-Jun-17	Neural Stem Cells	Robin Franklin