

Virtual Workshop

Cell State Transitions: Approaches, Experimental Systems and Models



15 – 17 December 2020
Online

Transitions between cellular identities are fundamental to metazoan biology, from development to disease. Yet how cells navigate accurately between distinct identities remains poorly understood. A primary challenge is that transition is intrinsically dynamic, an outcome of time and stimulation. The methodology and the theory necessary to capture and decode these molecular and cellular dynamics are underdeveloped.

This Workshop aims to highlight innovative interdisciplinary approaches to the question of how biological transitions occur. We bring together practitioners in stem cell and developmental biology with theorists and experimentalists from physics, mathematics and engineering. The goal is to explore avenues for examining cell state transitions across multiple scales. We will consider concepts, tools and technologies, and model systems.

The Workshop will be run in virtual format using bespoke software to facilitate break out discussions. Early-career researchers will be offered a one to one mentoring opportunity with a senior investigator.

The Workshop will be free for those selected to attend.

Organisers

Kevin Chalut
Austin Smith

Speakers

- Kazuhiro Aoki
- Naama Barkai
- James Briscoe
- Miki Ebisuya
- Tariq Enver
- Sui Huang
- Sophie Jarriault
- Ryoichiro Kageyama
- Allon Klein
- Prisca Liberali
- Sally Lowell
- Ben MacArthur
- Andrew Oates
- Ana Pombo
- Ramesh Shivdasani
- Aryeh Warmflash
- Sara Wickström

Secure your place* alongside leading experts and other early-career researchers from a diverse range of scientific backgrounds.

Deadline: 28 August 2020



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