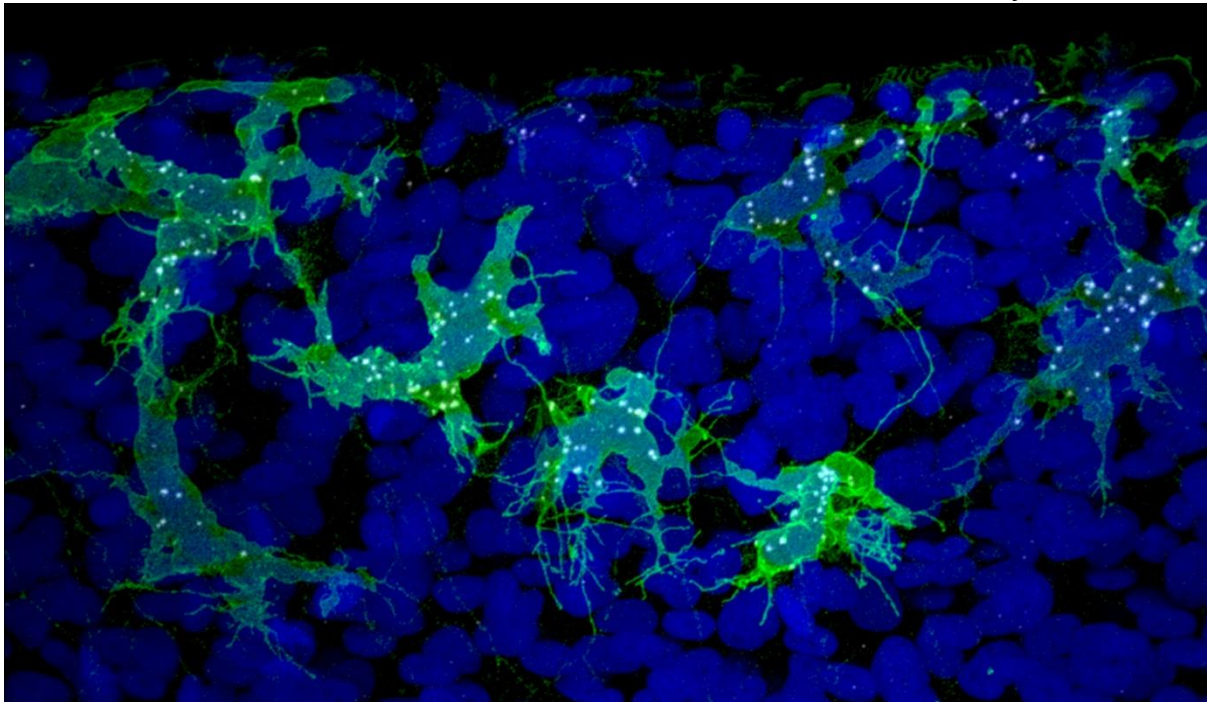




## ***Stem Cell Fate Choice: Mechanisms and Modelling***

Organisers: Robert Kelsh (Department of Life Sciences) and Jonathan Dawes (Department of Mathematical Sciences), University of Bath

Venue: Seminar Room, Milner Centre for Evolution, University of Bath



## Wed 29<sup>th</sup> November Day 1

12:00-17:00 Registration desk

12:30-14:00 Buffet lunch

14:00-14:05 **Philip Ingham** (Head of Department of Life Sciences, University of Bath) Welcome

14:05-14:10 **Robert Kelsh** Welcome

14:10-16:25 Session 1 Fate choice in the nervous system.

14:10-14:45 **James Briscoe** (The Francis Crick Institute, London) ***Dynamical landscapes of cell fate decisions***

14:45-15:20 **Meritxell Saez Cornellana** (IQS, Universitat Ramon Llull, Barcelona) ***Gene-free landscape models for development***

15:20-15:45 **Jonathan Dawes** (University of Bath, Bath) ***Cyclical Fate Restriction – a new conceptual framework for cell fate decisions***

15:45-16:15 Refreshment break coffee/tea/snacks

16:15-16:25 Session 2 Fate choice in the nervous system II and Poster Flash-talks.

16:15-16:50 **Nancy Papalopulu** (University of Manchester, Manchester) ***The role of gene expression oscillations in cell state transitions as revealed by live imaging and modelling***

16:50- **Poster flash-talks**

17:30-19:00 Poster session with refreshments

19:30-22:00 Dinner for speakers

## Thu 30<sup>th</sup> November Day 2

08:00-08:30 Coffee/tea/pastries

08:30-10:30 Session 3 Fate choice in neural crest cells

08:30-09:05 **Igor Adameyko** (Karolinska Institutet, Stockholm and Medical University of Vienna, Vienna) ***Clonal analysis informs fate selection readouts during embryonic development***

09:05-09:40 **Robert Kelsh** (University of Bath, Bath) ***Cyclical Fate Restriction –environmental signals, transcription factors and neural crest fate choice***

09:40-09:55 *Selected abstract*

09:55-10:30 **Tatiana Sauka-Spengler** (Stowers Institute for Medical Research, and Weatherall Institute of Molecular Medicine, Oxford)) ***tbc***

10:30-11:00 Coffee/tea/snacks

11:00-13:00 Session 4 Gene regulation and stem cell fate decisions

11:00-11:35 **Filippo Rijli** (Friedrich Miescher Institute for Biomedical Research, Basel) ***Making faces: genetic and epigenetic regulation of cranial neural crest cell fate***

11:35-11:50 *Selected abstract*

11:50-12:25 **Philipp Thomas** (Imperial College London, London) ***Stochastic gene expression and cell fate decisions in lineage trees***

**12:25-13:00 Andrea Streit** (King's College London, London) ***Unravelling the gene regulatory network controlling ear identity***

13:00-13:05 Final thoughts and farewell

13:05-14:00 Buffet lunch