

**Evolutionary Systems Biology
11-13 April 2018**

**Wellcome Genome Campus,
Hinxton, Cambridge, UK**

Draft Conference Programme

Wednesday, 11 April 2018

- 12:00-13:20 **Registration**
- 13:20-13:30 **Welcome and Introductions**
Programme Committee
- 13:30-14:30 **Keynote Lecture**
Adapting to different winters: non-coding transcripts and epigenetic switches at FLC
Caroline Dean, John Innes Centre, UK
- 14:30-15:30 **Session 1: One Gene**
Chair:
- 15:00 Fitness landscapes in an evolutionary context
Fyodor Kondrashov
Center for Genomic Regulation, Barcelona, Spain
- 15:30 Distinguishing between mechanistic tradeoffs and mutational entropy in protein evolution
Daniel Weinreich
Brown University, USA
- 15:30-16:00 **Afternoon Tea**
- 16:00-17:15 **Session 1 continued: One Gene**
- 16:30 Signatures of response in immune repertoires
Aleksandra Walczak
École Normale Supérieure, France
- 17:00 Genetic interactions and evolutionary advantages of sex
Christina Burch
University of North Carolina at Chapel Hill, USA
- 17:30 Short talk selected from submitted abstract
- 17:45 Short talk selected from submitted abstract

17:15-18:45 **Poster Session 1 (odd numbers) with drinks reception**

18:45 Dinner

Thursday, 12 April 2018

09:00-10:30 **Session 2: Few Genes**

Chair:

09:00 The yeast genotype-phenotype map in dynamic environments
Gaël Yvert
École Normale Supérieure de Lyon, France

09:30 Paralogous interference in cellular networks
Christian Landry
Université Laval, Canada

10:00 Short talk selected from submitted abstract

10:15 Short talk selected from submitted abstract

10:30-11:00 **Morning Coffee**

11:00-12:30 **Session 3: Variance (Noise)**

Chair:

11:00 Precision and plasticity in animal transcription
Angela Depace
Harvard Medical School, USA

11:30 Mechanisms controlling variation in complex traits
Mark Siegal
New York University, USA

12:00 Short talk selected from submitted abstract

12:15 Short talk selected from submitted abstract

12:30-14:00 **Lunch**

14:00-15:30 **Session 4: Many Genes**

Chair:

14:00 The maternal and zygotic genetics of developmental evolution
Matt Rockman
New York University, USA

14:30 Adaptive regulatory evolution in the Arabidopsis genus
Juliette De Meaux
University of Münster, Germany

15:00 Short talk selected from submitted abstract

15:15 Short talk selected from submitted abstract

- 15:30-16:00 **Afternoon Tea**
- 16:00-17:30 **Session 4 continued: Many Genes**
Chair:
- 16:00 Whole organism genetic systems at single cell resolution
Patrick Phillips
University of Oregon, USA
- 16:30 Short talk selected from submitted abstract
- 16:45 Short talk selected from submitted abstract
- 17:00 Short talk selected from submitted abstract
- 17:15-18:45 **Poster Session 2 (even numbers) with drinks reception**
- 18:45 **Dinner**

Friday, 13 April 2018

- 09:00-10:00 **Keynote Lecture 2:**
Stan Leibler
The Rockefeller University, USA
- 10:00-10:30 **Morning Coffee**
- 10:30 – 12:15** **Session 5: Non-genetic Inheritance**
Chair:
- 10:30 Non-genetic inheritance of alternative somatic versions of the genome in *Paramecium*
Eric Meyer
École Normale Supérieure, France
- 11:00 Estimating epimutation rates in *Arabidopsis Thaliana*
Maria Colomé-Tatché
Helmholtz Zentrum München, Germany
- 11:30 Short talk selected from submitted abstract
- 11.45 Short talk selected from submitted abstract
- 12:00 Closing remarks:
- 12:15 -13:15 **Lunch**
- Coaches depart to Cambridge City Centre and Train Station, Stansted Airport via Heathrow Airport**