THE COMPANY OF
Biologists
WORKSHOPS
Programme

“Epigenetic Memory”

24 - 27 June 2012 • Wiston House • Steyning • West Sussex • UK
Programme
Sunday 24 June 2012

12:30 – 14:00
Lunch

14:00 – 14:15
Introductions

Claire Moulton - Cambridge, UK
Who are The Company of Biologists?

John Gurdon - Cambridge, UK
“Epigenetic Memory” Workshop

Chair – Helen Blau

14:15 – 14:55
Steve Henikoff - Seattle, USA
Histone variants, nucleosome dynamics and epigenomics

14:55 – 15:35
Christof Niehrs - Heidelberg, Germany
Gadd45 and DNA demethylation

15:35 – 16:15
Tea break

16:15 – 16:55
Wolf Reik - Cambridge, UK
Epigenetic reprogramming in mammalian development

16:55 – 17:35
Howie Cedar - Jerusalem, Israel
Programming of DNA methylation during development

18:00 – 19:30
Pre-dinner drinks and poster session

19:30 – 21:00
Dinner

21:00 – 22:00
Introduction slide presentations

22:00 – 23:30
Bar open

“Epigenetic Memory”
Wiston House • West Sussex • 24 - 27 June 2012

All meals will be served in The Great Hall
**Monday 25 June 2012**

08:00 – 09:00  Breakfast

**Chair – Steve Henikoff**

09:00 – 09:40  **Carl Wu** – Bethesda, USA  
Assembly and dynamics of histone variants at yeast promoters and centromeres

09:40 – 10:00  **Kate Alexander** – Ithaca, USA  
TRIM28 is required for repression of CpG methylated loci

10:00 – 10:20  **Manoj Kumar** – Cambridge, UK  
Identification of new candidates modulating H2A.Z occupancy in Arabidopsis

10:20 – 11:00  Group photo  
Tea break

11:00 – 11:40  **Edith Heard** – Paris, France  
X-chromosome inactivation: a paradigm for epigenetic memory in mammals

11:40 – 12:20  **Helen Blau** – Stanford, USA  
DNA demethylation dynamics

12:30 – 13:30  Lunch

13:30 – 15:00  Walk (meet at Reception)

15:00 – 15:30  Tea break

**Chair – Ken Zaret**

15:30 – 16:10  **Renato Paro** – Basel, Switzerland  
Chaperoning epigenetic gene control

16:10 – 16:30  **Mike Cowley** – London, UK  
A role for epigenetics in polyadenylation site choice

16:30 – 16:50  **Francesco Cambioli** – Cambridge, UK  
ES cell reprogramming to TS-like cells reveals incomplete conversion to TS cell lineage

18:00 – 19:00  Pre-dinner drinks

19:00 – 19:30  History talk on Wiston House

19:30 – 21:00  Dinner

21:00 – 22:00  Discussion

22:00 – 23:30  Bar open

**Tuesday 26 June 2012**

08:00 – 09:00  Breakfast

**Chair – Anna Philpott**

09:00 – 09:40  **Neil Brockdorff** – Oxford, UK  
X-chromosome inactivation – a model for epigenetic regulation of the genome

09:40 – 10:20  **Andrew Bannister** – Cambridge, UK  
Regulating transcription by displacing chromatin readers

10:20 – 11:00  Tea break

11:00 – 11:40  **Alyson Ashe** – Cambridge, UK  
Epigenetic inheritance in C. elegans

11:40 – 12:20  **Jonathan Chubb** – Dundee, UK  
Imaging transcriptional dynamics

12:30 – 13:30  Lunch

14:00 – 14:40  **Amanda Fisher** – London, UK  
Cell fusion-mediated reprogramming of somatic cells by ES cells requires DNA synthesis

14:40 – 15:20  **Atsuo Ogura** – Ibaraki, Japan  
X-chromosome inactivation status in cloned mouse embryos

15:20 – 16:00  Tea break

16:00 – 16:40  **Ken Zaret** – Philadelphia, USA  
Genome reactivation after the silence in mitosis

18:30 – 19:30  Pre-dinner drinks

19:30 – 21:30  Dinner

21:30 – 00:00  Bar open

All meals will be served in The Great Hall
08:00 – 09:00  Breakfast

Chair - Howie Cedar

09:00 – 09:40  Patrick Heun – Freiburg, Germany
Epigenetic at heart: centromeres!

09:40 – 10:20  Richard Halley-Stott – Cambridge, UK
Epigenetic memory and resistance to nuclear reprogramming

10:20 – 11:00  Tea break

11:00 – 11:40  Rick Young – Cambridge, USA
Collaboration between transcriptional and epigenetic regulators

11:40 – 12:00  Overview of meeting

12:00 – 13:00  Lunch

Depart

All meals will be served in The Great Hall

Wiston House

Attendees

Name &nbohydrates Institute
Kate Alexander  Cornell University, USA
Alyson Ashe  University of Cambridge, UK
Andrew Bannister  University of Cambridge, UK
Helen M. Blau  Stanford University, USA
Neil Brockdorff  University of Oxford, UK
Katherine Brown  Development, UK
David Burns  Stanford University, USA
Francesco Cambi  The Babraham Institute/University of Cambridge, UK
Howie Cedar  The Hebrew University of Jerusalem, Israel
Jonathan Chubb  University College London, UK
Mike Cowley  King’s College London, UK
Amanda Fisher  MRC Clinical Sciences Centre & Imperial College London, UK
John Gurdon  University of Cambridge, UK
Richard Halley-Stott  University of Cambridge, UK
Edith Heard  Institut Curie, France
Steve Henikoff  Fred Hutchinson Cancer Research Center, USA
Patrick Heun  Max Planck Institute, Germany
Manoj Kumar  Sainsbury Laboratory Cambridge, UK
Claire Moulton  The Company of Biologists, UK
Christof Niehrs  Institute of Molecular Biology, Germany
Atsuo Ogura  RIKEN Bioresource Center, Japan
Renato Paro  ETH Zurich, Switzerland
Anna Philpott  University of Cambridge, UK
Wolf Reik  The Babraham Institute, UK
Roopsha Sengupta  University of Cambridge, UK
Emmanuelle Vire  University of Cambridge, UK
Carl Wu  Howard Hughes Medical Institute, USA
Rick Young  Massachusetts Institute of Technology, USA
Ken Zaret  University of Pennsylvania, USA
The Company of Biologists is a UK based charity and not-for-profit publisher run by biologists for biologists. Established in 1925, the company’s aims are to promote research and study across all branches of biology. The Company publishes three established journals, Development, Journal of Cell Science, The Journal of Experimental Biology and two newer Open Access journals, Disease Models & Mechanisms and Biology Open.

In addition to publishing, The Company makes an important contribution to the scientific community, providing grants, travelling fellowships and sponsorship to noteworthy scientists, meetings, societies and collaborative projects around the world. The Company also runs a series of transdisciplinary workshops.

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 dev.biologists.org

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 Basic research with translational impact
 dmm.biologists.org

**Biology Open**
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 bio.biologists.org

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