CHROMATIN, REPLICATION AND CHROMOSOMAL STABILITY CONFERENCE
15 – 16 June 2009
BRIC, Copenhagen

PROGRAMME

Monday 15th June

08:30 – 09:30	**Registration**
09:30	**Welcome and Introductions** *Anja Groth (BRIC, University of Copenhagen, Denmark)*
9:35 – 10:30	***Keynote Speaker*** ***Bruce Stillman (Cold Spring Habor Laboratory, US)*** *Control of the initiation of DNA replication and progression through S phase by the Cdc7-Dbf4 (DDK) protein kinase*
Session 1	**Initiation Control & Chromatin** *Session chair: John Diffley*
10:30 – 11:10	Julian Blow (University of Dundee, UK) *How to achieve 100% in an uncertain world: the organization of DNA replication to ensure complete genome duplication*
11:10 – 11:40	**Morning Break**
11:40 – 12:20	Dirk Schübeler (Friedrich Miescher Institute, Switzerland) *Replication, chromatin and transcription: a three-way connection?*
12:20 – 12:40	Torsten Krude (University of Cambridge, UK) *A conserved Y RNA motif essential for vertebrate chromosome replication*
12:40 – 13:00	Naoko Shima (University of Minnesota, US) *Mcm4Chaos3 homozygosity confers cancer-driving replication stress*
13:00 – 14:00	**Lunch**
Session 2	**Chromatin Replication & Histone Dynamics** *Session chair: Amanda Fisher*
14:00 – 14:40	Geneviève Almouzni (Institut Curie, France) *Chromatin assembly factors and the challenges of DNA replication and repair*
14:40 – 15:00	Annette Scharf (Ludwig Maximilians University, Munich, Germany) *Monomethylation of lysine 20 on histone H4 facilitates chromatin maturation*
15:00 – 15:15	Abcam *Abcam*
15:15 – 15:45	**Afternoon Break**
15:45 – 16:25	Zhiguo Zhang (Mayo Clinic Rochester, US) *Histone Acetylation promotes nucleosome assembly and genome stability*
16:25 – 16:45	Zuzana Jasencakova (BRIC, University of Copenhagen, Denmark) *Replicating chromatin: a snapshot of new and parental histones in transit*
16:45 – 17:25	Cristina Cardoso (Technische Universität Darmstadt, Germany) *The mammalian genome: its duplication, organization and mobility*

17:25 – 17:30	**Close** *Cath Green (University of Cambridge, UK)*
17:30 – 19:30	**Poster Session and Wine Reception**
20:00	**Dinner at Thorvaldsens Hus**

Tuesday 16th June

	Welcome *Cath Green (University of Cambridge, UK)*
Session 3	**Replication Stress, Fork Stability & Chromatin** *Session chair: Julian Blow*
09:00 – 09:40	Craig Peterson (University of Massachusetts, US) *Staying in shape: global regulation of the histone variant H2A.Z incorporation by the ATP dependent chromatin remodeling complex INO80*
09:40 – 10:00	Camilla Sjoegren (Karolinska Institute, Sweden) *The SMC5/6 complex and replication-induced topological stress*
10:00 – 10:40	Philippe Pasero (University of Montpelier, France) *Genome-wide analysis of natural replication pause sites in yeast and human cells*
10:40 – 11:10	**Morning Break**
11:10 – 11:50	John Diffley (Cancer Research UK, London Research Institute, UK) *DNA replication, genome stability and cancer: lessons from budding yeast*
11:50 – 12:10	Jennifer Cobb (University of Calgary, Canada) *The MRX complex acts together with sister chromatin cohesion factors to promote replication fork recovery*
12:10 – 12:30	Dorthe Helena Larsen (Danish Cancer Society, Denmark) *Proteomic screen for regulators of DNA damage-modified chromatin*
12:30 – 12:50	Delphine Larrieu (Institut Albert Bonniot, France) *ING2 controls DNA replication forks progression to maintain genome stability*
12:50 – 13:50	**Lunch**
13:50 – 14:00	**Poster Prize Presentation**
Session 4	**Stem Cells, Chromatin Domains & Cellular Memory** *Session chair: Geneviève Almouzni*
14:00 – 14:40	Amanda Fisher (MRC Clinical Sciences Centre, Imperial College, UK) *Reprogramming human lymphocytes to pluripotent stem cells using experimental heterokaryons*
14:40 – 15:00	Christelle Cayrou (Institute of Human Genetics, France) *Replication origin firing during stem cell differentiation*
15:00 – 15:20	Daniela Kleine-Kohlbrecher (BRIC, University of Copenhagen, Denmark) *PHF8, a novel histone demethylase involved in X-linked mental retardation and cleft lip/ palate*
15:20 – 15:50	**Afternoon Break**
15:50 – 16:30	Robin Allshire (University of Edinburgh, UK) *Synthetic heterochromatin, CENP-A chromatin and kinetochore assembly*
16:30 – 16:50	Valerie Yang (Hutchison-MRC Research Centre, UK) *Emi1 depletion in mouse pluripotent cells induces trophoblast giant cell formation*
16:50 – 17:45	***Keynote Speaker*** ***John Gurdon (University of Cambridge, UK)*** *Nuclear transfer and epigenetic stability or instability*
17:45	**Close** *Anja Groth (BRIC, University of Copenhagen, Denmark)*