

Maintenance of Genome Stability
Jolly Beach Resort, Antigua
8-11 March, 2010

Conference Program

Monday 8 March

18:00 – 18:45 Registration

18:50 – 19:00 Welcome & Introductions: Steve Jackson (Chair) & Abcam

19:00 – 19:30 Rodney Rothstein (functional analyses of DDR components in yeast)

19:30 – 20:00 Junjie Chen (responses to DNA double-strand breaks in mammalian cells)

20:00 **Buffet dinner Lydia's Restaurant**

Tuesday 9 March

7:30-9:00am **Breakfast Hemispheres**

Session: Replication, recombination and repair (Chair: Jim Haber)

09:00 – 09:30 Tony Carr (mechanisms of chromosomal instability)

09:30 – 10:00 Ian Hickson (resolution of repair and recombination intermediates)

10:00 – 10:15 Anja Groth (replication stress and histone recycling)

10:15 – 10:30 Jennifer Cobb (sister chromatid cohesion during replication stress)

10:30 – 11:00 Marco Foiani (DNA topology, replication and genome instability)

11:00-11:30 **Coffee break**

Session: Homologous recombination repair (Chair: Steve West)

11:30 – 12:00 Roland Kanaar (functional and structural analyses of recombination proteins)

12:00 – 12:15 John Rouse (processing of DNA repair intermediates)

12:15 – 12:30 Pierre-Henri Gaillard (DNA processing by Mus81-Eme1)

12:30 – 13:00 Maria Jasin (mechanisms and biology of recombinational repair)

13:00-13:10 Abarna Thiru (Abcam)

13:00 **Lunch Bocciole Restaurant**

Session: DSB repair and its control (Chair: Jiri Lukas)

16:00 – 16:30 Andre Nussenzweig (functional and mechanistic insights into DSB repair)

16:30 – 16:45 Amy Kenter (53BP1 functions during class-switch recombination)

16:45 – 17:00 Ralph Scully (imaging and characterization of DSB responses)

17:00 – 17:15 Susan Lees-Miller (characterizing DNA-PK structure and function)

17:15 – 17:30 David Chen (analysis of DNA-PKcs phosphorylation)

17:30 – 18:00 John Petrini (control of DSB repair and signaling)

18:30 – 20:30 ***Poster session** Hammock lounge (even numbers presenting)

20:30 **Buffet dinner Bocciole Restaurant**

Wednesday 10 March

7:30-9:00am **Breakfast Hemispheres**

Session: Effects of the DDR on chromatin (Chair: Titia de Lange)

09:00 – 09:30 Daniel Durocher (identification and characterization of DDR components)

09:30 – 09:45 Sophie Polo (chromatin remodeling factors acting at DSB sites)

09:45 – 10:00 Gaele Legube (high resolution profiling of phospho-H2AX)

10:00 – 10:15 Roger Greenberg (ATM-dependent transcriptional silencing)

10:15 – 10:30 Jo Morris (SUMO modification controls BRCA1 function)

10:30 – 11:00 Martin Kupiec (analysis of the clamp-loader Elg1)

11:00-11:30 **Coffee break**

Session: DNA repair in the context of chromatin (Chair: Andre Nussenzweig)

11:30 – 12:00 Penny Jeggo (repair of double-strand breaks within chromatin)
12:00 – 12:15 Brendan Price (ATM activation by the Tip60 acetyl-transferase)
12:15 – 12:30 Markus Lobrich (control of DSB resection within chromatin)
12:30 – 13:00 Jiri Lukas (orchestration of DNA damage responses at the chromatin level)

13:00 **Lunch Bocciolo Restaurant**

Session: The DDR in cancer and as a therapeutic target (Chair: Joe Jiricny)

16:00 – 16:30 Jiri Bartek (the DNA damage response during tumorigenesis)
16:30 – 16:45 Mark O'Connor (cancer therapies via DNA-repair inhibitors)
16:45 – 17:00 Alan Tomkinson (abnormal DNA repair in cancer cells)
17:00 – 17:15 Eric Brown (ATR deficiency contributes to tumorigenesis)
17:15 – 17:30 Kyle Miller (histone deacetylases responding to DNA damage)
17:30 – 17:45 Dipanjan Choudhury (microRNAs and DNA damage responses)
18:15 – 20:00 ***Poster session** Hammock Lounge (odd numbers presenting)

20:00 **Buffet dinner Lydia's Restaurant**

Thursday 11 March

7:30-9:00am **Breakfast at Hemispheres**

Session: The DDR: links to telomeres and disease (Chair: Junjie Chen)

09:00 – 09:30 Titia de Lange (telomeres and the DNA damage response)
09:30 – 09:45 Madalena Tarsounas (BRCA2 is required for telomere integrity)
09:45 – 10:00 Eric Hendrickson (Ku represses lethal telomere deletions)
10:00 – 10:30 Steve West (recombinational repair and links to human disease)

11:00-11:30 **Coffee break**

Session: DDR defects and genome instability (Chair: Steve Jackson)

11:00 – 11:30 Alan D'Andrea (the Fanconi anemia pathway)
11:30 – 11:45 Simon Boulton (key functions of the Fanconi anemia pathway)
11:45 – 12:15 Jim Haber (DNA and chromosomal repair mechanisms and function)
12:15 – 12:45 Joe Jiricny (mismatch repair and links to genome stability and signaling)

12.45 – 13.00 **closing remarks by Steve Jackson and Abcam**

13:00 **Lunch Bocciolo Restaurant**

*****Poster board set up times*****

Evens numbers will be presenting Tuesday, March 9 from 18:30-20:30 in the Hammock Lounge- Presenters may post posters from Monday (March 8) 2:00-6:00pm and from 13:00-16:00pm Tuesday. Posters must be down by the Wednesday March 10 at 9:00am.

Odd numbers will be presenting Wednesday, March 10 from 18:15-20:00 in the Hammock Lounge-Presenters may post posters from 10:00am-4:00pm Wednesday March 10.