

2015 IMB Conference Programme DNA Repair & Genome Stability in a Chromatin Environment

Thursday, 4 June 2015

Welcome Address				
17:45 - 18:00	Helle Ulrich	IMB, Mainz, Germany		
Keynote Lectu	Keynote Lecture			
Chair: Christof Ni	ehrs			
18:00 - 18:45	Titia K. Sixma	Netherlands Cancer Institute,	Targeting ubiquitin on H2A in	
		Amsterdam, The Netherlands	chromatin	
19:00 - 21:00	Welcome Reception	on at IMB & Poster Session 1		

Friday, 5 June 2015

Session 1: DNA	Damage Signallin	g and Checkpoint Activation	in Chromatin
Chair: Petra Beli			
09:00 - 09:30	Yossi Shiloh	Tel Aviv University, Israel	The ATM-mediated DNA damage response: within, along, and outside the chromatin
09:30 - 10:00	Daniel Durocher	Lunenfeld Research Institute, Toronto, Canada	Cell cycle regulation of homologous recombination
10:00 - 10:30	Niels Mailand	University of Copenhagen, Denmark	Ubiquitin-dependent signaling in the DNA damage response
10:30 - 10:45	Petra Beli	IMB, Mainz, Germany	Proteomic analyses reveal a role for VCP/p97 in the homeostasis of DNA repair factors
10:45 - 11:00	Matthias Altmeyer	University of Zurich, Switzerland	DNA damage triggers liquid demixing of intrinsically disordered proteins
11:00 - 11:30	Coffee Break		
11:30 - 12:00	Steve Jackson	Cambridge University, UK	Cellular responses to DNA damage in the context of chromatin
12:00 - 12:30	Fabrizio d'Adda di Fagagna	IFOM, Milan, Italy and IGM- CNR, Pavia, Italy	The role of non-coding RNA in the control of DNA damage response
12:30 - 12:45	Julian Spies	TU Darmstadt, Germany	Nek1 Phosphorylates Rad54 to promote homologous recombination
12:45 - 13:00	Susanne Bantele	MPI of Biochemistry, Martinsried, Germany	Two distinct signaling circuits of the DNA damage checkpoint

13:00 - 15:00 Lunch & Poster Session 2

Session 2: Influence of Chromatin on Damage Processing and Repair

Chair: Yossi Shiloh			
15:00 - 15:30	James E. Haber	Brandeis University, Waltham,	Repairing a double-strand break in the
		Massachusetts, USA	context of chromatin
15:30 - 16:00	Josef Jiricny	University of Zurich,	Biochemical characterization of
		Switzerland	FANCD2-associated nuclease 1 (FAN1)
16:00 - 16:15	Javier Peña-Diaz	University of Copenhagen,	MMR acts in concert with chromatin
		Denmark	to maintain genome stability
16:15 - 16:30	Shalaka Chitale	IMB, Mainz, Germany	Sub-nuclear localization of nucleotide
			excision repair



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16:30 - 17:00	Coffee Break		
17:00 - 17:30	Björn Schumacher	University and CECAD, Cologne,	Systemic DNA damage responses in
		Germany	aging and diseases
17:30 - 18:00	Nico Dantuma	Karolinska Insitute, Stockholm,	Neurodegeneration-associated
		Sweden	proteins are involved in DNA damage-
			induced ubiquitylation at DNA double-
			strand breaks
18:00 - 18:15	Courtney Hodges	Stanford University School of	Chromatin accessibility underlies the
		Medicine, USA	tumor suppressor role of BAF
			complexes in human cancers

Saturday, 6 June 2015				
Keynote Lecture Chair: Helle Ulrich				
09:00 - 09:45	Susan Gasser	Friedrich Miescher Institute, Basel, Switzerland	Chromatin dynamics and nuclear subcompartments in DNA double strand break repair	
Session 3: Rep l	lication of Chromat	in in the Presence of DNA Da	image	
Chair: Holger Ric	hly			
09:45 - 10:15	lestyn Whitehouse	Memorial Sloan Kettering Cancer Center, New York, USA	Chromosome replication: A view from the lagging strand	
10:15 - 10:45	Ian Hickson	University of Copenhagen, Denmark	How defective DNA replication impacts on mitosis	
10:45 - 11:00	Jurgen Marteijn	Erasmus Medical Center, Rotterdam, The Netherlands	DNA damage induced remodeling of the core spliceosome: a new branch in the DDR	
11:00 - 11:30	Coffee Break			
11:30 - 12:00	Dana Branzei	IFOM, Milan, Italy	Essential late replication functions of Smc5/6 that uphold genome integrity	
12:00 - 12:15	Ronald Wong	IMB, Mainz, Germany	Investigating the requirement of the chromatin remodelling Ino80 complex for postrenlicative DNA renair	
12:15 - 12:30	Thomas Gligoris	University of Oxford, UK	Closing the cohesin ring: structure and function of the DNA exit gate	
13:00 - 20:45	Boxed Lunch & Excu	rsion		



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Sunday, 7 June 2015

Session 4: Chromatin Dynamics and Remodelling in Response to DNA Damage			
Chair: Helle Ulri	ich		
09:00 - 09:30	Brendan Price	Harvard Medical School, Boston, USA	Nucleosome dynamics during processing of DNA breaks
09:30 - 10:00	Jessica Downs	University of Sussex, Brighton, UK	The role of the PBAF chromatin remodelling complex in maintaining genome stability
10:00 - 10:30	Haico van Attikum	Leiden University Medical Center, The Netherlands	The molecular basis of immunodeficiency in ICF syndrome
10:30 - 10:45	Thomas Clouaire	CNRS-Université Paul Sabatier, Toulouse, France	Characterising the chromatin landscape at DNA double-strand breaks
10:45 - 11:15	Coffee Break		
11:15 - 11:45	Karl-Peter Hopfner	Ludwig Maximilian University, Munich, Germany	<i>Mechanism of ATP dependent DNA recognition by Rad50</i>
11:45 - 12:15	Evi Soutoglou	IGBMC, Strasbourg, France	Spatial organization of DNA repair within the nucleus
12:15 - 12:30	Kyle Miller	University of Texas, Austin, USA	Regulation of DNA repair by histone marks, variants and chromatin reader proteins in human cells.
Closing Rem	arks		
12:30 - 12:45	Helle Ulrich	IMB, Mainz, Germany	
12:45	Departure		