PROGRAM

Day	Time	Programme category (e.g. talk, break, keynote lecture etc.)	Speaker name and topic of talk
14 OCT			
	19:00	OPENING	
	19:10	KEYNOTE	Titia de Lange, Rockefeller University: Attenuation of ATM signaling by ROS delays replicative senescence at physiological oxygen
	19:50	KEYNOTE	KJ Patel, University of Oxford: Causes and consequences of endogenous aldehyde induced DNA damage
	20:30	DINNER	
15 OCT			
		SESSION	I. DNA REPLICATION & REPLICATION STRESS Chair: Gaelle Legube
	8:45	TALK	Karlene Cimprich, Stanford University: RNA Meets DNA: Dangerous Liaisons in the Genome
	9:05	TALK	Ross Chapman, University of Oxford: Replication-associated genomic instability in Ataxia Telangiectasia
	9:25	TALK	Lorenza Penengo, University of Zurich: The interferon pathway regulates replication fork stability and drug response
	9:45	TALK	Christopher Staples, Bangor University: MRNIP limits PRIMPOL and MRE11-dependent post- replicative ssDNA gaps
	10:00	TALK	Marcus Smolka, Cornell University, Ithaca: A Phosphorylation Circuit Controlled by ATM and the Oncogenic Phosphatase PPM1D/Wip Coordinates Replication Fork Restart
	10:15	TALK	Sriram Sridharan, Cancer Science Institute of Singapore: Chromatin reorganisation under replication stress
	10:30	BREAK	
		SESSION	II. CHROMATIN & NUCLEAR DYNAMICS Chair: Karlene Cimprich
	11:00	TALK	Gaelle Legube CBI, University of Toulouse: Chromosome and chromatin dynamics at DNA double strand breaks

11:20	TALK	Karim Mekhail, University of Toronto: Nuclear Dynamics in DNA Repair from Yeast to Humans
11:40	TALK	Evi Soutoglou, Genome Damage and Stability Centre, University of Sussex:
		Genome organization in DNA repair pathway choice and mutagenesis
12:00	TALK	Dorthe Larsen, Danish Cancer Institute, Copenhagen: TIN2 regulates nucleolar function and rDNA integrity
12:15	TALK	Noa Lamm- Shalem, CMRI, University of Sidney: Filamentous Actin Facilitates AKT Release from PML Nuclear Bodies to Promote DNA Repair and Survival in Response to Replication stress
12:30	TALK	Susana Godinho, Barts Cancer Institute - Queen Mary University of London: Tubulin acetylation regulates nuclear oscillations to promote efficient DNA repair
12:45	TALK	Niels Mailand, University of Copenhagen: A novel mechanistic framework governing Topoisomerase inhibitor cytotoxicity
13:00	LUNCH	
15:00	POSTER	Session I: posters 1, 4, 7, 10,
	SESSION	III. MAINTAINING GENOME STABILITY THROUGH CELL DIVISION 1
		Chair: Evi Soutoglou
18:00	TALK	Daniel Durocher, University of Toronto: The ties that bind: the role of CIP2A-TOBP1 during mitosis
18:20	TALK	David Pellman, Dana Farber Institute, Boston: A mechanistic model for the generation of focal DNA amplification by chromothripsis
18:40	TALK	Jan Karlseder, Salk Institute: The regulation of proliferative boundaries by telomeres, mitochondria and innate immunity
19:00	TALK	Daniele Fachinetti, Institut Curie, Paris: Maintenance of genome integrity and of a correct chromosome karyotype
19:20	TALK	Kasper Fugger, The Francis Crick Institute, London: MTH1 specifically targets 2-amino-dATP to safeguard genome stability
19:35	TALK	Diego Dibitetto, Mario Negri Institute, Milan: H2AX promotes replication fork degradation and chemosensitivity in BRCA-deficient tumours

	19:50	TALK	Nicholas Lakin, University of Oxford: BRCA1 and Senataxin-dependent modulation of replication-
			associated R-loops confers resistance to PARP inhibitors
	20:30	DINNER	
16 OCT			
		SESSION	IV. MAINTAINING GENOME STABILITY THROUGH CELL DIVISION 2
			Chair: Ross Chapman
	8:45	TALK	Tony Cesare CMRI, Sydney: Homologous recombination promotes mitotic death to suppress the innate immune response
	9:05	TALK	Agnel Sfeir, Memorial Sloan Kettering Institute, New York:
			Engineering mtDNA Deletions by Reconstituting End- Joining in Human Mitochondria
	9:25	TALK	Marcel van Vugt, University of Groningen:
			The cellular response to DNA breaks during mitosis
	9:45	TALK	Georges Mer, Mayo Clinic, Rochester:
			Mechanism for the activation of translesion DNA synthesis
	10:00	TALK	Michela Di Virgillio, Max Delbruck Centre for Molecular Medicine, Berlin:
			Igh-specific versus genome-wide DNA Repair capabilities of B cells
	10:15	TALK	Samantha Sanford, University of Pittsburgh:
			6-thio-2'-deoxyguanosine drives telomere shortening by impairing telomerase translocation after nucleotide addition
	10:30	BREAK	
		SESSION	V. DSB REPAIR & DISEASE 1: HR-DEFICIENCY AND CANCER
			Chair: Marcel van Vugt
	11:00	TALK	Maria Jasin, Memorial Sloan Kettering Cancer Centre:
			Regulation of RAD51 recombinase by the AAA-ATPase FIGNL1
	11:20	TALK	Raphaël Ceccaldi, Institut Curie, Paris:
			Switching from UNG to SMUG1 for uracil processing triggers homologous recombination and selectively kills BRCA1/2-deficient tumors
	11:40	TALK	Madalena Tarsounas, University of Oxford:
			TOP1-induced DNA damage underlies PARP inhibitor sensitivity in BRCA1-deficient cells
	12:00	TALK	Britt Adamson, Princeton University:
			Mapping the Genetic Interaction Network of PARP inhibitor Response

	12:20	TALK	Agnieszka Lukaszewicz, University of Michigan Medical School:
			De novo translocations at meiotic double-strand breaks in mice
	12:35	TALK	Pablo Huertas, CABIMER, University of Seville:
			Untying the gordian knot of DNA end resection
	12:50	TALK	Arnab Ray Chaudhuri, Erasmus University Medical Center, Rotterdam:
			Defects in fine-tuning of RAD51 loading and unloading causes homologous recombination defects in BRCA2 deficient cells
	13:05	LUNCH	
	15:00	POSTER	Session II: posters 2, 5, 8, 11,
	17:00	SOCIAL ACTIVITY	Visit to the Temple of Poseidon in Cape Sounio, sunset viewing from the Temple
	20:30	DINNER	
17 OCT			
	8:45	SESSION	VI. DSB REPAIR & DISEASE 2: DNA END JOINING PATHWAYS
			Chair: Madalena Tarsounas
	8:45	TALK	Shan Zha, Columbia Cancer Centre:
			The Tale of two Tails – the role of KU70 and KU80 C-terminal domains
	9:05	TALK	Marcel Tijsterman, University of Leiden:
			Mechanisms of Mutagenesis: A role for TONSL in preventing Tandem Duplications
	9:25	TALK	Anjali Hinch, Wellcome Centre for Human Genetics, Oxford:
			Whodunnit? Human germline mutations are clues to the agents of DNA break repair
	9:45	TALK	Max Douglas, The Institute of Cancer Research, London:
			Chromosome end protection by RAP1-mediated inhibition of DNA-PK
	10:00	TALK	Richard Frock, Stanford University:
			ATM and 53BP1 regulate alternative end joining-mediated V(D)J recombination
	10:15	TALK	Israel Salguero, CNIO, Madrid:
			Towards a genetic encyclopedia of human CRISPR-Cas9-induced double- strand-break repair
	10:30	BREAK	
	11:00	SESSION	VII. EXCISON REPAIR PATHWAYS IN AGEING AND DISEASE
			Chair: Marcel Tijsterman

11:00	TALK	Björn Schumacher, University of Cologne
		A DREAM Master Regulator of Genome Stability and Aging by the Clock yet without a Program
11:20	TALK	Titia Sixma, NKI, Amsterdam
		Mechanisms of ubiquitin chain trimming after DNA damage
11:40	TALK	Martijn Luijsterburg, Leiden University Medical Center, Leiden:
		CFAP20 salvages arrested RNAPII from the path of co- directional replisomes
12:00	TALK	Hana Hanzlikova, Uni of Bern:
		Defects in DNA repair genes associated with human diseases
12:20	TALK	Tycho Mevissen, Harvard Medical School, HHMI, Boston:
		STK19 couples RNA polymerase II to TFIIH during cell-free transcription-coupled DNA repair
12:35	TALK	Ivan Rosado, University of Seville:
		HMCES corrupts replication fork stability during 5-hmdU misincorporation
13:00	LUNCH	
15:00	POSTER	Session III: posters 3, 6, 9, 12,
17:00	SESSION	Women in Science
	SESSION	VIII. FROM BASIC SCIENCE TO THERAPEUTIC TRANSLATION
		Chair: Titia Sixma
18:00	TALK	Sven Rottenberg, University of Bern:
		Understanding mechanisms of radiotherapy resistance
18:20	TALK	Serena Nik-Zainal, Early Cancer Institute, University of Cambridge:
		Mutational signatures integrated with national statistical data reveal prognostic insights
18:40	TALK	Sir Steve Jackson, CRUK Cambridge Cancer Institute, UK:
		Cellular responses to DNA damage: mechanistic insights and therapeutic implications
19:00	TALK	Chris Lord ICR, London, UK:
		Understanding and targeting clinical PARPi resistance
19:20	TALK	Josep Forment, AstraZeneca:
		Development of the first human cell line xenograft BRCA1 complementation system
19:35	TALK	Vera Grinkevich, Artios Pharma:
		Targeting cancer cells with a novel ATR inhibitor, ART0380

	19:50	TALK	Kristijan Ramadan, Nanyang Technological University Singapore:
			Nucleophagy of DNA lesions promotes genome stability and enhances patient response to chemotherapy
	20:10	CLOSING REMARKS	
	20:30	DINNER	Gala Dinner and Party
18 OCT			
		DEPARTURE	