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DNA Replication and Recombination (Z2)

joint with the meeting on Genomic Instability and DNA Repair (Z1)

Scientific Organizers: John F.X. Diffley, Anja Groth and Scott Keeney

April 2-6, 2017

Santa Fe Community Convention Center, Santa Fe, New Mexico, USA

Sponsored by Editas Medicine, Inc.

Abstract submission is now closed. Registered attendees may bring a poster onsite. Please contact our office at +1 800-253-0685; +1 970-262-1230 or email info@keystonesymposia.org if you are interested.

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Registered attendees of one meeting in a joint pair may participate in sessions of the other, pending space availability.

DEADLINES:

Scholarship Deadline: Dec 5, 2016 [details]

Discounted Abstract Deadline: Dec 5, 2016 [details]

Abstract Deadline: Jan 12, 2017 [details]

Discounted Registration Deadline: Feb 2, 2017 [details]

Click here to view Cancellation Policy

No registration fees are used to fund entertainment or alcohol at this conference

Conference Program Print | View meeting in 12 hr (am/pm) time

The meeting will begin on Sunday, April 2 with registration from 16:00 to 20:00 and a welcome mixer from 18:00 to 20:00. Conference events conclude on Thursday, April 6 with a closing plenary session from 17:00 to 19:00, followed by a social hour and entertainment. We recommend return travel on Friday, April 7 in order to fully experience the meeting.

SUNDAY, APRIL 2

16:00-20:00	Arrival and Registration	Sweeney Ballroom Foyer
18:00-20:00	Welcome Mixer	Sweeney F
	No registration fees are used to fund alcohol served at this	
	function.	

MONDAY, APRIL 3

07:00-08:00	Breakfast	Sweeney F, Main Level
		<u>Breakouts</u>
08:00-09:30	Welcome and Keynote Session (Joint)	Sweeney Ballroom A-E
	Registered attendees can view abstracts starting on 03/02/2017	
	* Julia Promisel Cooper, NCI, National Institutes of Health, USA	
	* Scott Keeney, HHMI/Memorial Sloan Kettering Cancer Center,	
	USA	
	Tatsuya Hirano, RIKEN, Japan	
	Condensin-Based Chromosome Organization	
	Johannes C. Walter, Harvard Medical School, USA	
	Mechanisms of Replication-Coupled Repair	

09:50-12:00 Replication/Repair Structure and Function

Sweeney Ballroom C-E

Registered attendees can view abstracts starting on 03/02/2017

* John F.X. Diffley, Francis Crick Institute, UK

Michael E. O'Donnell, Rockefeller University, USA Structure and Function of the Eukaryotic Replisome

Tyler H. Stanage, University of Wisconsin - Madison, USA Short Talk: The Escherichia coli RarA Protein is Involved in the Switch between DNA Replication and Translesion Synthesis in vivo

Karlene A. Cimprich, Stanford University, USA When RNA Meets DNA: Dangerous Liaisons in the Genome

Alessandro Costa, Francis Crick Institute, UK Cryo-EM Approaches to Understanding the Eukaryotic Replisome

Matthew L. Bochman, Indiana University, USA Short Talk: Hrg1, The Yeast Homolog of RecQ4, Inhibits Telomerase Activity on Long Telomeres

Following Session is for Genomic Instability and DNA Repair (Z1)

09:50-12:00 Mechanisms of DNA Repair

Registered attendees can view abstracts starting on 03/02/2017

Sweeney Ballroom A-B

* Timothy C. Humphrey, University of Oxford, UK

Wei Yang, NIDDK, National Institutes of Health, USA Structural Insights into Translesion DNA Polymerases

James E. Haber, Brandeis University, USA Short Talk: Rad51-Mediated Double-Strand Break Repair and Mismatch Correction of Highly Diverged Substrates

Joseph J. Loparo, Harvard Medical School, USA Short Talk: Single-Molecule Imaging of Non-Homologous End Joining

Michael D. Stone, University of California, Santa Cruz, USA Mechanical Transitions in Long Duplex Telomere DNA Molecules

Fena Ochs, University of Copenhagen, Denmark Short Talk: Dynamic Chromatin Superstructures Safeguard Integrity of Nuclear Compartments Challenged by DNA Breakage

Cecilia Cotta-Ramusino, Editas Medicine, USA Short Talk: Characterization of the Interplay between DNA Repair and CRISPR/Cas9-Induced DNA Lesions at an Endogenous Locus

12:00-17:00	On Own for Lunch
12:00-13:00	Poster Setup
13:00-22:00	Poster Viewing

Sweeney F, Main Level **Breakouts** Sweeney F, Main Level **Breakouts** Sweeney Ballroom C-E

Workshop 1: Recombination and Repair

Tracey E. Beyer, Biotech Research and Innovation Centre, Denmark Ontogeny of Genome Rearrangements in Budding Yeast

* Simon N. Powell, Memorial Sloan Kettering Cancer Center,

Replication Fork Cleavage Occurs within 100bp from Local ATM Signaling of Site-Specific DNA Replication Block in Human Cells

Sneha Saxena, Indian Institute of Science, India ATR Signaling Uncouples Role of XRCC2 in Homologous

14:30-16:30

Recombination and Replication Stress Response

Erin Hannah Sybouts, University of Texas Health Science Center at San Antonio, USA Recombination and BLM Helicase Compensate for Replication Fork Defects in the Absence of 53BP1 Protein

Shane McDevitt, Temple University Lewis Katz School of Medicine, USA Mechanisms of RNA-Transcript Templated DNA Recombinational Repair Promoted by RAD52

Susanne S. C. Bantele, Max Planck Institute of Biochemistry, Germany Regulation of the Conserved Chromatin Remodeler

Fun30SMARCAD1 at DNA Double-Strand Breaks

Walter J. Chazin, Vanderbilt University, USA Mechanisms for Counting and Handoff by Human DNA Primase-A Role for the 4Fe-4S Cluster?

Holger Puchta, Karlsruhe Institute of Technology, Germany The RTR Complex Partner RMI2 and the DNA Helicase RTEL1 Are Both Independently Involved in Preserving the Stability of 45S rDNA Repeats in Arabidopsis thaliana

Following Session is for Genomic Instability and DNA Repair (Z1)

14:30-16:30 Workshop 1: Genome Instability and DNA Repair I

Sweeney Ballroom A-B

* James E. Haber, Brandeis University, USA

Elena Balkanska-Sinclair, Duke University, USA The BRD4-NUT Fusion Protein from Nut-Midline Carcinoma modulates DNA Damage Signaling and Ionizing Radiation Response

Michael M. Cox, University of Wisconsin-Madison, USA Ionizing Radiation Resistance in Experimentally Evolved Escherichia coli Populations

Qing Li, Peking University, China Chaperoning RPA during DNA Replication

Ryan M. Baxley, University of Minnesota, USA Progressive Genomic Instability and Telomere Erosion in Human Cells following Inactivation of a Single MCM10 Allele

Michael H. Hauer, Friedrich Miescher Institute for Biomedical Research, Switzerland Histone Degradation in Response to DNA Damage Enhances Chromatin Dynamics and Recombination Rates

Mariano Labrador-San Jose, University of Tennessee, USA Components of the DNA Damage Response Pathway, ATR and ATM, Modulate Chromatin Insulator Activity through Phosphorylation of Histone H2Av at Insulator Sites

Mitch McVey, Tufts University, USA Coordination of ATPase and Polymerase Activities of Drosophila DNA Polymerase Theta during Interstrand Crosslink and Alternative End-Joining Repair of Double-Strand Breaks

Hilda A. Pickett, Children's Medical Research Institute, Australia BLM and SLX4 Play Opposing Roles in Recombination-Dependent Replication at Human Telomeres

16:30-17:00 Coffee Available Sweeney Ballroom Foyer

17:00-19:00 **Starting Recombination** Sweeney Ballroom C-E

Registered attendees can view abstracts starting on 03/02/2017 Covering meiotic initiation, somatic lesion formation, DSB

processing.

* Bernard de Massy, Institut de Génétique Humaine, France

Scott Keeney, HHMI/Memorial Sloan Kettering Cancer Center,

Breaking and Chewing DNA during Meiosis

Florencia M. Pratto, NIDDK, National Institutes of Health, USA Linking Replication and Meiotic Recombination Initiation in Mammals

<u>Kara A. Bernstein</u>, University of Pittsburgh School of Medicine, IISA

Short Talk: The Function of the Shu Complex and the Rad51 Paralogs in Repair of Replication Intermediate by Promotion of Rad51 Presynaptic Filament Assembly

Maria Jasin, Memorial Sloan Kettering Cancer Center, USA Protecting the Genome by Homologous Recombination

Sofija Mijic, Institute of Molecular Cancer Research, Switzerland Short Talk: Replication Fork Reversal Triggers Fork Degradation in BRCA2-Defective Cells

Following Session is for Genomic Instability and DNA Repair (Z1)

17:00-19:00 RNA Metabolism and Genome Stability

Registered attendees can view abstracts starting on 03/02/2017

Sweeney Ballroom A-B

* Hengyao Niu, Indiana University Bloomington, USA

<u>Vihandha Wickramasinghe</u>, Peter MacCallum Cancer Centre, Australia

Effects of Altered RNA Processing on Genome Stability and the Proteome

Frédéric L. Chedin, University of California, Davis, USA Short Talk: R-Loop Formation is a Hallmark of Active Early Replication Origins in Mammalian Genomes

Julius Brennecke, IMBA - Institut für Molekulare Biotechnologie GmbH, Austria

An RNA-Based Genome Immune System Safeguards Genome Stability

Eric A. Hunt, New England Biolabs, USA

Short Talk: Prokaryotic Argonautes and their Potential as New Molecular Tools

Alice Meroni, University of Milan, Italy

Short Talk: DNA Polymerase eta Sensitizes Cells to Nucleotide Pool Deprivation in Absence of RNase H

Francesca Storici, Georgia Institute of Technology, USA Short Talk: Double-Strand Break Repair by Transcript RNA Is Stimulated by Rad52 and Requires Limited End Resection

19:00-20:00 Social Hour with Lite Bites

Sweeney F, Main Level Breakouts

No registration fees are used to fund alcohol served at this

function.

19:30-22:00 **Poster Session 1**

Sweeney F, Main Level Breakouts

TUESDAY, APRIL 4

07:00-08:00

Breakfast

08:00-11:00

Interplay between Chromatin Structure and DNA
Replication/Repair (Joint)

Registered attendees can view abstracts starting on 03/02/2017

- * Jennifer A. Cobb, University of Calgary, Canada
- * Anja Groth, University of Copenhagen, Denmark

Geneviève Almouzni, Centre National de la Recherche Scientifique, France Shaping Chromatin in the Nucleus, the Bricks and the Architects

<u>Gary Karpen</u>, Lawrence Berkeley National Laboratory, University of California, Berkeley, USA Regulation of DNA Repair in Heterochromatin and Euchromatin

Francesca Mattiroli, HHMI/Colorado University Boulder, USA Short Talk: DNA-Mediated Association of Two Histone-Bound CAF-1 Complexes Drives Tetrasome Assembly in the Wake of DNA Replication

Coffee Break

Robert A. Martienssen, Cold Spring Harbor Laboratory, USA RNAi Promotes Heterochromatic Silencing through Replication-Coupled Release of RNA Polymerase II

Bernard de Massy, Institut de Génétique Humaine, France The Control of Initiation of Meiotic Recombination by PRDM9

Philipp Oberdoerffer, NCI, National Institutes of Health, USA Short Talk: Replication Stress Shapes a Protective Chromatin Environment Across Fragile Genomic Regions

11:00-17:00	On Own for Lunch	
11:00-13:00	Poster Setup	Sweeney F, Main Level Breakouts
13:00-22:00	Poster Viewing	Sweeney F, Main Level Breakouts
16:30-17:00	Coffee Available	Sweeney Ballroom Foyer
17:00-19:00	Regulating Recombination	Sweeney Ballroom C-E

Registered attendees can view abstracts starting on 03/02/2017 Cell cycle, site choice, partner choice, pathway choice.

Eva Hoffmann, University of Copenhagen, Denmark Gene Conversion and Crossover Maps in the Human Germline

<u>Lorraine S. Symington</u>, Columbia University, USA DNA End Resection and Repair Pathway Choice

Aurele Piazza, University of California, Davis, USA Short Talk: Multi-Invasions Are Recombination Byproducts that Induce Chromosomal Rearrangements

Eric C. Greene, Columbia University, USA Single-Molecule Studies of Recombination Pathways

Jennifer A. Cobb, University of Calgary, Canada Short Talk: Nej1 Regulates Repair Pathway Choice by Inhibiting Dna2-Sgs1 Mediated Resection

Following Session is for Genomic Instability and DNA Repair (Z1)

17:00–19:00 Cell Cycle Regulation of DNA Damage Response

Registered attendees can view abstracts starting on 03/02/2017

* Frédéric L. Chedin, University of California, Davis, USA

Tanya T. Paull, University of Texas at Austin, USA Double-Strand Break Repair Factors and R-Loop-Mediated Genomic Instability

Sweeney Ballroom A-B

^{*} Xiaolan Zhao, Memorial Sloan Kettering Cancer Center, USA

<u>David Cortez</u>, Vanderbilt University School of Medicine, USA Regulation of Replication Fork Stability by Single-Stranded DNA Binding Proteins

<u>Kyle M. Miller</u>, University of Texas at Austin, USA Chromatin Regulation of the DNA Damage Response

<u>Michael P. Sheetz</u>, Mechanobiology Institute, National University of Singapore, Singapore

Short Talk: DNA Damage Causes¬ Rapid Accumulation of Phosphoinositides to Recruit ATR but not ATM

Linda J. Kenney†, National University of Singapore, Singapore Short Talk: Salmonella Typhimurium forms Biofilms on Solid

Tumors

19:15–20:00 Social Hour with Lite Bites
No registration fees are used to fund alcohol served at this function.

Sweeney F, Main Level
Breakouts
function.

19:30–22:00 Poster Session 2 Sweeney F, Main Level
Breakouts

WEDNESDAY, APRIL 5

07:00-08:00	Breakfast	Sweeney F, Main Level
		<u>Breakouts</u>
07:30-08:00	Poster Setup	Sweeney F, Main Level
	,	Breakouts
00 00 47 00		
08:00-17:00	Poster Viewing	Sweeney F, Main Level
		<u>Breakouts</u>
08:00-11:00	Replication Fork Progression and Restart	Sweeney Ballroom C-E
	Registered attendees can view abstracts starting on 03/02/2017	

^{*} Anne D. Donaldson, University of Aberdeen, UK

<u>Karim Labib</u>, University of Dundee, UK The End of Chromosome Replication

Kenneth J. Marians, Memorial Sloan Kettering Cancer Center, USA

Imaging Individual Replisomes Reveals Independence and Decoupling of Polymerases During Replication

<u>Alberto Ciccia</u>, Columbia University, USA Short Talk: Restoration of Fork Stability in BRCA1- and BRCA2-

Deficient Cells

Coffee Break

Xiaolan Zhao, Memorial Sloan Kettering Cancer Center, USA The Effects of Cancer-Associated DNA Polymerase Epsilon Mutations on Replication

Anja Groth, University of Copenhagen, Denmark Chromatin Replication and Epigenome Maintenance

Advaitha Madireddy, Albert Einstein Collge of Medicine, USA Short Talk: FANCD2 Facilitates DNA Replication through Common Fragile Sites

Following Session is for Genomic Instability and DNA Repair (Z1)

08:00-11:00 Nuclear Dynamics and Genome Stability

Registered attendees can view abstracts starting on 03/02/2017

Sweeney Ballroom A-B

* Arnab Ray Chaudhuri, National Institutes of Health, USA

Marco F. Foiani, Instituto FIRC di Oncologia Molecolare, Italy An Integrated ATR, ATM and mTOR-Mechanical Network Controlling Nuclear Plasticity and Cell Migration **Angela Taddei**, Institut Curie, France Nuclear Organization and Chromatin Status Modulate Homologous Recombination Efficiency and Outcome

Irene Chiolo, University of Southern California, USA Short Talk: Highways for Repair: Nuclear Myosins and Actin Filaments Relocalize Heterochromatic DNA Breaks to the Nuclear Periphery

Coffee Break

Martin W. Hetzer, The Salk Institute, USA
How the Nuclear Membrane Controls Genome Function

Emmanuelle Fabre, Hopital St Louis, France

Short Talk: DNA Damage Increases Chromatin Stiffening in Budding Yeast

Neil T. Umbreit, Dana-Farber Cancer Institute, USA

Short Talk: Chromosome Bridge Resolution Requires Mechanical

Forces from Actin-Based Contractility

Peter Ly, Ludwig Institute for Cancer Research, University of California at San Diego, USA

Short Talk: Mitotic Errors Promote Chromosome Shattering and

DNA Break Repair by Non-Homologous End Joining

11:00-12:00	Lunch	Sweeney F, Main Level
		Breakouts
12:00-14:30	Poster Session 3	Sweeney F, Main Level
		<u>Breakouts</u>
16:30-17:00	Coffee Available	Sweeney Ballroom Foyer
17:00-19:00	Replication Initiation Mechanisms	Sweeney Ballroom C-E
	Registered attendees can view abstracts starting on 03/02/2017	

* Kenneth J. Marians, Memorial Sloan Kettering Cancer Center, USA

<u>Stephen P. Bell</u>, Massachusetts Institute of Technology, USA Mechanism and Timing of Mcm2-7 Ring Closure during Origin Licensing

<u>Stephen D. Bell</u>, Indiana University, USA *DNA Replication in Archaea*

<u>Heath Murray</u>, Newcastle University, UK Short Talk: A New Bacterial Replication Origin Element Specifies Single-Strand Initiator Binding

Anne D. Donaldson, University of Aberdeen, UK

The Conserved Role of Rif1 as a Substrate-Targeting Subunit of

Protein Phosphatase 1

<u>Dominik Boos</u>, University of Duisburg-Essen, Germany Short Talk: MTBP Is an Essential Replication Initiation Factor with Vertebrate-Specific and Sld7-Like Features

Following Session is for Genomic Instability and DNA Repair (Z1)

17:00–19:00 DNA Repair and Human Diseases

Registered attendees can view abstracts starting on 03/02/2017

* Hilda A. Pickett, Children's Medical Research Institute, Australia

Agnel Sfeir, New York University School of Medicine, USA Single-Molecule Analysis of mtDNA Replication Uncovers the Basis of the Common Deletion

André Nussenzweig, NCI, National Institutes of Health, USA DNA Breaks and End-Resection Measured Genome-Wide by End Sequencing (END-seq)

Sweeney Ballroom A-B

<u>Simon J. Boulton</u>, London Research Institute, Clare Hall Laboratories, UK

Mechanistic Insights into Telomere Dysfunction Disorders

Madalena Tarsounas, University of Oxford, UK Short Talk: MUS81 Nuclease Activity Is Essential for Replication Stress Tolerance and Chromosome Segregation in BRCA2-Deficient Cells

Janet Partridge, St Jude Children's Research Hospital, USA Short Talk: Histone H3G34R Mutation Causes Replicative Stress, Defective Homologous Recombination and Genomic Instability in Fission Yeast

19:00 On Own for Dinner

THURSDAY, APRIL 6

07:00-08:00	Breakfast	Sweeney F, Main Level
00:00 44:00		<u>Breakouts</u>
08:00-11:00	Replication Fork Establishment and Replication-	Sweeney Ballroom A-E
	Coupled Repair (Joint)	
	Registered attendees can view abstracts starting on 03/02/2017	
	* Jeannine Gerhardt, Weill Cornell Medicine, USA	
	* Karlene A. Cimprich, Stanford University, USA	
	<u>James M. Berger</u> , Johns Hopkins University School of Medicine, USA	
	Physical Mechanisms for Initiating DNA Replication in Cells	
	Agata Smogorzewska, Rockefeller University, USA	
	Stress Response at the Replication Fork	
	Eric J. Brown, Perelman School of Medicine, University of Pennsylvania, USA	
	Short Talk: Characterizing Replisome Ubiquitination upon Fork Stalling	
	Coffee Break	
	Virginia A. Zakian, Princeton University, USA	
	Adaptation to Heat Stress Results in Reversible Telomere Shortening, Reduced Telomerase, and Shelterin Rearrangement	
	Helle D. Ulrich, Institute of Molecular Biology, Germany Coordination of DNA Damage Bypass with Genome Replication and Checkpoint Signaling	
	Stephane Koundrioukoff, Institute Gustave Roussy, France Short Talk: DNA Replication Compensation: A Two Steps Mechanism	
11:00—17:00	On Own for Lunch	
14:30—16:30	Workshop 2: Replication	Sweeney Ballroom C-E
	* Linda B. Bloom, University of Florida, USA Active Sliding Clamp Opening in Three Steps	
	Joseph Yeeles, MRC Laboratory of Molecular Biology, UK How the Eukaryotic Replisome Responds to DNA Damage in the Leading- and Lagging-Strand Templates	
	Christopher Sansam, Oklahoma Medical Research Foundation, USA	
	DNA Replication Timing during Development Anticipates	
	Transcriptional Programs and Parallels Enhancer Activation	
	Boris Pfander, Max Planck Institute of Biochemistry, Germany Robust Replication Control by Temporal Gaps between Licensing and Firing Phases.	

and Firing Phases

<u>Hasan Yardimci</u>, Francis Crick Institute, UK Super-Resolution Fluorescence Imaging of DNA Replication Intermediates

Jon Baxter, University of Sussex, UK Transcription Promotes Replication Fork Rotation and Double-Stranded DNA Intertwining via a Cohesin-Dependent Pathway

Ivan Psakhye, IFOM, the FIRC Institute of Molecular Oncology, Italy

DDK-Mediated Regulation of the deSUMOylating Enzyme Ulp2 Facilitates DNA Replication Initiation

Joseph L. Stodola, Washington University School of Medicine, USA

Kinetic Analysis of Lagging Strand Replication and Okazaki Fragment Maturation

Following Session is for Genomic Instability and DNA Repair (Z1)

14:30-16:30 Workshop 2: Genome Instability and DNA Repair II

Sweeney Ballroom A-B

* Michael P. Sheetz, Mechanobiology Institute, National University of Singapore, Singapore

<u>Katharina Schlacher</u>, MD Anderson Cancer Center, USA Epigenetics-Enabled MRE11 Replication Restart by p53 Promotes Replication Pathway Homeostasis to Suppress Opportunistic Transcription Reprogramming

Kristijan Ramadan, University of Oxford, UK SPRTN Is a Novel Mammalian Protease with the Central Role in DNA Replication-Coupled DNA-Protein Crosslink Repair

<u>Jason Sheltzer</u>, Cold Spring Harbor Laboratory, USA Single-Chromosome Aneuploidy Commonly Functions as a Tumor Suppressor but Can Drive Genome Evolution

Manuel Stucki, University of Zurich, Switzerland TOPBP1 Cooperate with TCOF1/Treacle in the Nucleolar Response to DNA Double-Strand Breaks

Maria Teresa Teixeira, CNRS - UMR 8226, France Telomere Replication in the Absence of Telomerase: Failure, Repair and Adaptation

Johannes van den Boom, University of Duisburg-Essen, Germany The AAA-ATPase VCP/p97 Extracts Sterically Trapped Ku70/80 Rings from DNA in Double-Strand Break Repair

Catherine H. Freudenreich, Tufts University, USA
Cytosine Deamination Mediates R-Loop Dependent CAG Repeat
Fragility and Instability

Muwen Kong, University of Pittsburgh, USA Auto-PARylation Switches PARP1 Search Mechanism from Three-Dimensional Diffusion to Anomalous One-Dimensional Sliding

16:30-17:00 Coffee Available

Sweeney Ballroom Foyer

Sweeney Ballroom C-E

17:00–18:45 Finishing Recombination

<u>Registered attendees</u> can view abstracts starting on 03/02/2017 Homology search, strand exchange, dealing with DNA joint molecules.

* Maria Jasin, Memorial Sloan Kettering Cancer Center, USA

<u>Stephen C. Kowalczykowski</u>, University of California, Davis, USA

Molecular Functions and Single Molecule Studies of BRCA1, BRCA2, and RAD51 Paralogs

http://www.keystonesymposia.org/index.cfm?e=web.Meeting.Program&meetingid=1479

9/11

<u>Petr Cejka</u>, University of Zurich, Switzerland <u>Processing of DNA Double-Strand Breaks for Repair by</u> <u>Homologous Recombination</u>

Ralph Scully, Beth Israel Deaconess Medical Center, USA Short Talk: Microhomology-Mediated Tandem Duplications form at Tus/Ter-Stalled Replication Forks in BRCA1 Mutant Cells

Stephen C. West, Francis Crick Institute, UK Unresolved Recombination Intermediates as a Source of DNA Breaks and Chromosome Aberration

Following Session is for Genomic Instability and DNA Repair (Z1)

17:00-18:45 Telomeres and Centromeres

Registered attendees can view abstracts starting on 03/02/2017

Sweeney Ballroom A-B

* Maria Teresa Teixeira, CNRS - UMR 8226, France

Titia de Lange, Rockefeller University, USA

How Shelterin Solves the Telomere End-Protection Problem

<u>Kerry S. Bloom</u>, University of North Carolina at Chapel Hill, USA The Molecular Basis for the Centromere Spring

Nausica Arnoult, The Salk Institute for Biological Studies, USA Short Talk: Regulation of DNA Repair Pathway Choice in S/G2 by the NHEJ Inhibitor CYREN

Julia Promisel Cooper, NCI, National Institutes of Health, USA *Telomeric Control of Kinetochore Assembly and Nuclear Envelope Breakdown*

18:45–19:00 Meeting Wrap-Up: Outcomes and Future Directions

(Organizers)

Registered attendees can view abstracts starting on 03/02/2017

Sweeney Ballroom C-E

Following Session is for $\underline{\text{Genomic Instability and DNA Repair (Z1)}}$

18:45–19:00 Meeting Wrap-Up: Outcomes and Future Directions

(Organizers)

Registered attendees can view abstracts starting on 03/02/2017

Sweeney Ballroom A-B

Breakouts

19:00–20:00 Social Hour with Lite Bites Sweeney F, Main Level

No registration fees are used to fund alcohol served at this $% \left(1\right) =\left(1\right) \left(1\right)$

function.

Entertainment

Sweeney F

Entertainment is not subsidized by conference registration fees nor any U.S. federal government grants. Funding for this expense is

provided by other revenue sources.

FRIDAY, APRIL 7

20:00-23:00

Departure

*Session Chair \dagger Invited, not yet responded.

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