SUNDAY, SEPTEMBER 20
Arrival and Registration

MONDAY, SEPTEMBER 21
Welcome and Keynote Session
Karlene A. Cimprich, Stanford University, USA
Conflicts between Transcription and Replication Forks
Alan D. D'Andrea, Dana-Farber Cancer Institute, USA
The Deshieldin Complex Regulates DNA Repair Pathway Choice
Replication Dependent Mechanisms of Genome Stability
David Cortez, Vanderbilt University School of Medicine, USA
Replication Fork Dynamics and Genome Stability
Mirit Aladjem, NCI, National Institutes of Health, USA
Replication Origin Modulation: Preventing Runaway DNA Synthesis to Insure Genomic Stability
Short Talk(s) Chosen from Abstracts
Workshop 1: Basic Mechanisms of Replication
Short Talks Chosen from Abstracts
Workshop 2: Basic Mechanisms of DNA Repair
Short Talks Chosen from Abstracts
Mechanisms of Recombination and Repair
Lorraine S. Symington, Columbia University, USA
Control of Homologous Recombination
Maria Jasim, Memorial Sloan Kettering Cancer Center, USA
BRCA Control of Homologous Recombination and Replication Fork Protection
Barry P. Sleckman, University of Alabama Birmingham School of Medicine, USA
The Regulation of Homologous Recombination in G1-Phase Cells
Patrick M. Sung, University of Texas Health Science Center at San Antonio, USA
Reconstitution of Homologous Recombination Pathways
Short Talk(s) Chosen from Abstracts
Poster Session 1

TUESDAY, SEPTEMBER 22
Chromatin Organization and Genome Stability
Irene Chiolo, University of Southern California, USA
Nuclear and Chromatin Dynamics for Heterochromatin Repair
Gaelle Legube, Center for Integrative Biology, France
Chromatin and Chromosome Dynamics at DNA Double Strand Breaks
André Nussenzweig, NCI, National Institutes of Health, USA
Mechanisms that Maintain Genome Stability
Daniel Durocher, Lunenfeld-Tanenbaum Research Institute, Canada
Navigating the Genetic Networks Underpinning Genome Integrity
Short Talk(s) Chosen from Abstracts

Cell Cycle Regulation of Genome Stability
David Pellman, Dana-Farber Cancer Institute, USA
Mitotic Mechanisms of Genome Rearrangements
Dipanjan Chowdhury, Dana-Farber Cancer Institute, Harvard Medical School, USA
Competition between DNA Repair Mechanisms
Titia de Lange, Rockefeller University, USA
Causes and Consequences of Aneuploidy
Short Talk(s) Chosen from Abstracts
Poster Session 2

WEDNESDAY, SEPTEMBER 23
RNA Mechanisms of Genome Stability
Helle D. Ulrich, Institute of Molecular Biology, Germany
Regulation of DNA Damage Bypass in Time and Space
Joachim Lingner, École Polytechnique Fédérale de Lausanne, Switzerland
TERRA Long Noncoding RNA at Telomeres
Keith W. Caldecott, University of Sussex, UK
DNA Strand Break Repair and Human Genetic Disease
Short Talk(s) Chosen from Abstracts
Workshop 3: Genome Engineering
Short Talks Chosen from Abstracts
DNA Repair Mechanisms in Cancer
J. Ross Chapman, University of Oxford, UK
Molecular Interplay between BRCA1-BARD1 Complexes and the 53BP1 Pathway
Anindya Dutta, University of Virginia, USA
Extrachromosomal Circles of DNA (eccDNA) in Normal Cells and Cancers
Jacqueline J. Jacobs, Netherlands Cancer Institute, Netherlands
Mechanisms of Telomere End Protection
Short Talk(s) Chosen from Abstracts
Poster Session 3

THURSDAY, SEPTEMBER 24
Emerging Aspects in Genome Stability
Katharina Schlacher, MD Anderson Cancer Center, USA
Mitochondrial Replication Stability and Inflammation
Nima Mosammaparast, Washington University in St. Louis, USA
DNA Alkylation Damage: From Signaling To Repair
Roger Greenberg, University of Pennsylvania, USA
Mechanisms of Noncanonical Homology Directed Repair
Short Talk(s) Chosen from Abstracts
Workshop 4: Translation of DNA Repair into the Clinic
Short Talks Chosen from Abstracts
Workshop 5: DNA Damage Signaling
Short Talks Chosen from Abstracts
Genome Stability and Human Physiology

* Session Chair † Invited but not yet accepted  Program current as of May 2, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
Simon J. Boulton, Francis Crick Institute, UK  
Telomere End Protection in Stem Cells and Development

Madalena Tarsounas, University of Oxford, UK  
Targeting BRCA beyond PARP Inhibitors

Ketan J. Patel, MRC Laboratory of Molecular Biology, UK  
Metabolism and the Fanconi Phenotype

Lee Zou, Harvard Medical School, USA  
Talk Title to be Announced

Short Talk(s) Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

FRIDAY, SEPTEMBER 25

Departure