

11:30 A.M. Registration and lunch

12:30 P.M. Welcome Remarks

12:45 P.M. Session 1 led by Dr. Xiaohua Wu, The Scripps Research Institute

Dr. Phuong Pham, University of Southern California, Goodman lab presents: *AID and Apobec Haphazard Deamination and Mutation Diversity*

Dr. Lin Li, University of California, Riverside, Wang lab presents: *α -N-Methylation of MRG15 Facilitates H3K36me3-H4K16Ac Crosstalk and ATM Activation through Chromatin Recruitment and Allosteric Regulation of TIP60*

Dr. David Onyango, City of Hope, Stark lab presents: *Defining the role of a tetratricopeptide repeat factor during homologous recombination*

Dr. Minghua Nie, The Scripps Research Institute, Boddy lab presents: *Frenemies: unexpected auto-regulatory relationships among SUMO pathway factors for maintaining SUMO homeostasis*

Chris Caridi, University of California, Riverside, Nugent lab presents: *Stn1, a telomere protein at the nexus of DNA replication and recombination*

2:00 P.M. Break

2:15 P.M. Session 2 led by Dr. Irene Chiolo, University of Southern California

Dr. KuoFang Shen, University of Southern California, Forsburg lab presents: *Replication timing and genome instability in the pericentromere*

Dr. Michael Reubens, The Scripps Research Institute, Russell lab presents: *Functions of Brcl1 at damaged replication fork*

Dr. Cai Guo, CalTech, Dunphy lab presents: *Interaction of Chk1 with Treslin Negatively Regulates the Initiation of Chromosomal DNA Replication*

Dr. Zac Ostrow, University of Southern California, Aparicio lab presents: *S. cerevisiae Fox protein Fkh1 dimerizes to regulate replication timing and origin clustering*

Dr. Li Zheng, City of Hope, Shen lab presents: *A selective small molecule DNA2 inhibitor for sensitization of human cancer cells to chemotherapy*

3:30 P.M. Break

3:45 P.M. Session 3 led by Dr. Jeremy M. Stark, City of Hope

Dr. Chao Liu, City of Hope, Yu lab presents: *Poly(ADP-ribosylation) negatively regulates phosphorylation in early DNA damage response*

Matt Wong, University of Southern California, Michael lab presents: *Chromosomal Breakage During Zygotic Genome Activation in C. elegans*

Dr. Peter Ly, University of California, San Diego, Cleveland lab presents: *When Mitosis Goes Wrong: Consequences of Chromosome Segregation Errors*

Taehyun Ryu, University of Southern California, Chiolo lab presents: *Right place, right time: novel role of nuclear periphery in heterochromatin repair*

Dr. Long Gu, City of Hope, Malkas lab presents: *The Mechanism by Which MYCN Amplification Confers an Enhanced Sensitivity to a PCNA-derived Cell Permeable Peptide in Neuroblastoma Cells*

Anastasia Lobanova, The Scripps Research Institute Lazzerini Denchi lab presents: *Telomere Dysfunction in the Brain: Bad Memories with no ends*

5:10 P.M. Closing Remarks and Reception