

Baltimore Area Repair Symposium (BARS)

March 4, 2016
University of Maryland

Session I Cellular Response to DNA Double-Strand Breaks Chair: Fred Bunz (JHU)

Anindya Dutta (UVA) “MCM8-9: new players in double-strand break repair”

Keir Nuwman (NCI) “Domain architecture of RecQ helicase supports DNA geometry-dependent processing to suppress illegitimate recombination”

David Kaetzel (UMD) “Metastasis suppressor NME1 as a novel component of the DSB response”

Andre Newssenzweig (NCI) “Mechanisms of genomic stability”

Keynote Address: Roger Greenberg (UPenn) “Mechanism of ALT telomere recombination”

Session II Repair of DNA adducts and DNA replication Chair: Alex Drohat (UMD)

Robert Brosh (NIA) “Molecular mechanisms of DNA helicases to suppress aging, disease, and cancer”

A-Lien Chang (UMD) “The role of SIRT6 protein deacetylase in base excision repair”

Jim Berger (JHU)

Marc Greenberg (JHU) “Inspiration from interactions of repair enzymes with specific DNA lesions”

Marina Bellani (NIA, M Seidman’s laboratory)

Poster Session and Lunch.

Session IV DNA repair and chromatin Chair: Marikki Laiho (JHU)

Greg Bowman (JHU) “How the Chd1 chromatin remodeler recognizes the nucleosome”

Yie Liu (NIA) “FANCP regulates telomere maintenance”

Philip Jordan (JHSPH) “Requirements for the structural maintenance of chromosome complex, SMC5/6- from meiosis to the embryo”

Feyruz Rasool (UMD) “Exploring the functions of PARP for novel therapeutic strategies in cancer”

Sonia Franco (JHU) “Induced pluripotent stem (iPS) cell-based approaches to model and treat Ataxia-Telangiectasia”

Michal Zalzman (UMD)