

PROGRAM

EMGS Special Symposium

DNA Repair Mechanisms & Consequences: A Tribute to Philip C. Hanawalt

Wednesday – Thursday, September 13-14, 2017

Raleigh Marriott City Center Hotel
University Ballroom

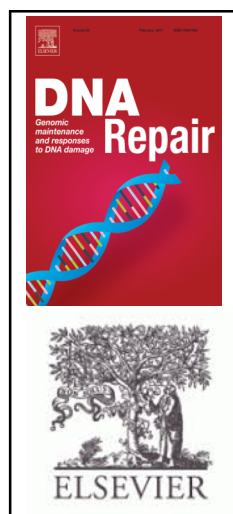
Organizers:

Priscilla Cooper
Mats Ljungman

Leona Samson
Susan Wallace

Rob Sobol

CONTRIBUTORS:



Nucleic Acids
Research



EMGS SPECIAL SYMPOSIUM

DNA Repair Mechanisms & Consequences: A Tribute to Philip C. Hanawalt

PROGRAM

Sessions: University Ballroom

Wednesday, September 13, 2017

- 5:30 PM Welcome / Opening Remarks
Rob Sobol, EMGS Vice-President and 2017 Program Chair (Univ. South Alabama)
Priscilla Cooper, Organizing Committee (Lawrence Berkeley National Laboratory)
- 5:50 PM Opening Keynote Address
Chairperson: Ben Van Houten (University of Pittsburgh)
Aziz Sancar – Nobel Laureate (Univ. of North Carolina, Chapel Hill NC, USA)
DNA Damage and Repair Maps of the Human Genome
- 6:45 PM Keynote Address
Chairperson: Mats Ljungman (University of Michigan)
Wim Vermeulen (Erasmus Univ. Medical Center, Rotterdam, The Netherlands)
Transactions at Transcription-Blocking DNA Damage
- 7:30 PM *RECEPTION and POSTER SESSION* **State Ballroom ABC**

Thursday, September 14, 2017

- 7:45 AM *CONTINENTAL BREAKFAST* **State Ballroom ABC**
- Nucleotide Excision Repair: The view from 2017 (at age 50+ ...)
Chairperson: Priscilla Cooper (LBNL)
- 8:30 AM **Orlando Schärer** (IBS Center for Genomic Integrity, UNIST, Ulsan, South Korea)
Coordination of Dual Incision and Repair Synthesis in Nucleotide Excision Repair
- 9:00 AM **Wei Yang** (NIH / NIDDK, Bethesda MD, USA)
A Twin-Engine Molecular Machine for DNA Lesion Removal
- 9:30 AM **Karen Vasquez** (University of Texas at Austin, Austin TX, USA)
Intrinsic Genomic Instability from Naturally Occurring DNA Structures
- 10:00 AM *COFFEE BREAK (with posters)*

Excision Repair Visualized

- Chairperson: Leona Samson (MIT)
- 10:30 AM **Susan Wallace** (University of Vermont, Burlington VT, USA)
Hide and Seek: Visualizing Repair Enzymes Locating DNA Damages in Real Time
- 11:00 AM **Bennett Van Houten** (Hillman Cancer Center, Univ. of Pittsburgh, Pittsburgh PA, USA)
"Close Fitting Sleeves": DNA Damage Search and Recognition Strategies of DNA Repair Enzymes

Poster Highlights

Chairperson: Priscilla Cooper (LBNL)

11:30 AM **Poster Flashes** (all poster presenters; 2 min each)

Shobhan Gaddameedhi

Jung-Hyun Min

Les Hanakahi

Yesenia Rodriguez

Wenjing Hao

Natalie Saini

Nate W. Holton

Cynthia Sakofsky

Michael Howard

Mallory Smith

Yuji Iwashita

Cornelia Toeig

Zhuobin Liang

12:15 PM *LUNCH and POSTER SESSION*

State Ballroom ABC

Transcription-Coupled Repair at 30: Unexpected Complexities

Chairperson: Susan Wallace (University of Vermont)

1:30 PM **Leon Mullenders** (Leiden Univ. Medical Center, Leiden, The Netherlands)

A Surprising Journey: From Repair Grains to TC-NER and Unresolved Questions

2:00 PM **Priscilla Cooper** (Lawrence Berkeley National Laboratory, Berkeley CA, USA)

Collision or Collusion? Transcription-Coupled Repair and Homologous Recombination

2:30 PM **Mats Ljungman** (Univ. of Michigan Medical School, Ann Arbor MI, USA)

Targeted Transcriptional Toxicity

Excision Repair Defects, Cancer, & Aging

Chairperson: Mats Ljungman (University of Michigan)

3:00 PM **Vilhelm Bohr** (Laboratory of Molecular Gerontology, NIH / NIA, Baltimore MD, USA)

Nuclear to Mitochondrial DNA Damage Signaling

3:30 PM **Alan Lehmann** (Genome Damage & Stability Centre, Univ. of Sussex, Brighton, UK)

Genetic and Clinical Heterogeneity in Xeroderma Pigmentosum

4:00 PM *COFFEE BREAK (with posters)*

4:30 PM **Joann Sweasy** (Yale School of Medicine, New Haven CT, USA)

DNA Repair and Lupus

5:00 PM **Leona Samson** (Massachusetts Institute of Technology, Cambridge MA, USA)

Tissue-Specific Responses to Alkylation and Inflammation

5:30 PM Keynote Address:

Chairperson: Leona Samson (MIT)

Jan Hoeijmakers (Erasmus Univ. Medical Center, Rotterdam, The Netherlands)

The Contributions of Phil Hanawalt to Aging Research and Longevity

6:15 PM Reflections on 60 Years in Science

Chairperson: Priscilla Cooper (LBNL)

Philip C. Hanawalt (Department of Biology, Stanford University, Stanford CA, USA)

7:00 PM Closing Remarks

7:15 PM *Cocktails and CELEBRATORY DINNER*

Rye Southern Kitchen (private room)