

Molecular Biophysics 2019 Symposium
Saturday March 2, 2019
Baltimore, Maryland
10:30 AM – 3:00 PM
Convention Center Room: Ballroom II
Subgroup Chair: Maria Spies, University of Iowa

10:30 AM to 10:40 AM

Opening Remarks

10:40 AM to 11:10 AM

Terence Strick, Institut Jacques Monod, Paris, France

Real-Time Monitoring of Multivalent DNA Repair Complexes in Action

11:10 AM to 11:35 AM

Alejandro Martin-Gonzalez, National Centre for Biotechnology, Madrid, Spain

AFM shows that Human CtIP forms a Tetrameric Dumbbell-shaped particle which binds and bridges DNA ends

11:35 AM to 12:05 PM

Catherine Musselman, University of Iowa, Iowa City, IA, USA

The effect on nucleosome conformation and histone tail binding and specificity

12:15 PM to 12:35 PM

Subgroup Business Meeting

12:35 PM to 1:05 PM

Claire Wyman, Erasmus University Medical Center, Rotterdam, Netherlands

Dynamic proteins and interactions driving homologous recombination: A BRCA2 centric view

1:05 PM to 1:30 PM

Sonja Schmid, Delft University of Technology, Netherlands

High Bandwidth Sensing of Single Protein Dynamics using Nanopores and DNA Origami

1:30 PM to 2:00 PM

Sharonda LeBlanc, University of North Carolina – Chapel Hill, NC, USA

Investigating the function of multi-conformational changes in mismatch repair using smFRET

2:00 PM to 2:30 PM

Top Perkins, University of Colorado, Boulder, CO, USA

Probing and reconstructing free-energy landscapes of diverse bimolecular systems by AFM

2:30 PM to 3:00 PM

Closing Remarks

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