## DNA Damage and Repair in the Brain

**Wednesday, October 18, 2023 | 10 am–1:30 pm (ET)**

Conference Organizers: Aris Polyzos, PhD, Research Scientist, Lawrence Berkeley National Laboratory, Berkeley, CA  
Laurie Sanders, PhD, Associate Professor, Duke University School of Medicine, Durham, NC

*Schedule subject to change. All speakers will deliver their presentation live and they will also be recorded.*

<table>
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<th>Time (ET)</th>
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| 10:00 am – 10:10 am | **Welcome and Introduction**  
Aris Polyzos, Lawrence Berkeley National Laboratory  
Laurie Sanders, Duke University School of Medicine |
| 10:10 am – 10:40 am | **“A gene editing approach to contract expanded CAG/CTG repeats”**  
Vincent Dion, Cardiff University, UK Dementia Research Institute, United Kingdom |
| 10:40 am – 11:10 am | **“Emerging roles for DNA repair in ALS highlight new opportunities”**  
Gabriel Balmus, UK Dementia Research Institute, United Kingdom |
| 11:10 am – 11:50 am | **KEYNOTE TALK – “Dealing with Damage: Genome Integrity & Neurologic Disease”**  
Peter McKinnon, St. Jude Pediatric Translational Neuroscience Initiative |
| 11:50 am – 12:20 pm | **“DNA base damage repair interplays with chromatin structures to contract expanded GAA repeats in Friedreich’s ataxia via a unique positive feedback loop”**  
Yuan Liu, Florida International University |
| 12:20 pm – 12:50 pm | **“Single strand to double strand conversion provides a reversible switch to regulate oxidative stress in brain cells”**  
Cynthia McMurray, Lawrence Berkeley National Laboratory |
| 12:50 pm – 1:30 pm | **Roundtable Open Discussion**  
All speakers |
| 1:30 pm | **Summary & Closing Remarks**  
Aris Polyzos, Lawrence Berkeley National Laboratory  
Laurie Sanders, Duke University School of Medicine |