



## 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.*

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