**INDUCTION AND RESOLUTION OF CNS NEUROINFLAMMATION AND NEUROTOXICITY—Satellite symposium to SFN**

**Friday, October 18, 2019**

Loyola University Chicago (LUC) Water Tower Campus, Regents Hall, 111 E. Pearson

**Organizers:** Drs. Julie Andersen, Michael Collins and Jean Harry [register at: harry@nih.gov]

**Note:** SFN registration is not necessary for this symposium

**SPONSORS:** Neurotoxicity Society (NTS); GLENN Foundation for Medical Research; SENS Research Foundation; LUC Dept. Mol. Pharmacology & Neuroscience

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<tr>
<th>Time</th>
<th>Session 1: Systemic /Central Interactions: Impact on Inflammation and Neurodegeneration</th>
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<tr>
<td>8:30 am</td>
<td>WELCOME and INTRODUCTION: Elaine Del-Bel, Ph.D. Universidade de Sao Paolo, NTS President</td>
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| 8:35 | Immunopathogenic brain invasion in aging and Alzheimer’s disease  
Lennart Mucke, M.D., Gladstone Institute of Neurological Disease, UCSF, San Francisco, CA |
| 9:15 | Role of intestinal microbiota-derived neuroinflammation in Parkinson disease  
Ali Keshavarzian, M.D., Rush University Medical Center, Chicago, IL |
| 9:45 | Transneuronal Propagation of Pathologic α-Synuclein from the Gut to the Brain Models Parkinson’s Disease  
Hanseok Ko, Ph.D., John Hopkins University Medical School, Baltimore, MD |

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<th>Time</th>
<th>Session 2: Identifying Targets and Mechanisms of Propagation or Resolution</th>
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<td>10:15</td>
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<tr>
<th>Time</th>
<th>Session 3: Contribution of Senescence in Neurological and Neurodegenerative Disorders</th>
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| 1:20 | Role of astrocytic senescence in HIV and HANDS  
Lena Al-Harthi, Ph.D., Rush University Medical Center, Chicago IL |
| 1:50 | Cellular senescence and its interplay with the immune system  
Armit Sharma, Ph.D., SENS Research Foundation |
| 2:20 | Linking cellular senescence to neurodegenerative disease  
Darren Baker, Ph.D., Biochemistry and Molecular Biology, Mayo Clinic Rochester, NY |
| 2:50 | Cellular senescence and its potential contribution to Parkinson’s disease  
Julie Andersen, Ph.D., Buck Institute for Research in Aging |

| Time  | 3:20 BREAK |

| Time  | 3:30 Proteomic tools to decipher mechanisms of senescence in aging and age-related diseases  
Birgit Schilling, Ph.D, Buck Institute for Research in Aging, Novato, CA |
|-------|--------------------------------------------------------------------------------------|
| 4:00 | Senolytics alter brain structure and function in tauopathy mouse models  
Miranda Orr, Ph.D., Barshop Institute, University of Texas, San Antonio, TX |
| 4:30 | Senolytics: a potential new therapeutic avenue for treating neuropsychiatric disorders?  
Diana Jurk, Ph.D., Biol. Aging and Age-Related Disease Lab, Mayo Clinic Rochester, NY |
| 5:00 | Closing Questions and Wrap-Up – Jean Harry, Ph.D. |