

# Henry Ford + MSU Neuroscience Research Symposium

September 10, 2025

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**8:30 – 9:00 a.m. REGISTRATION AND BREAKFAST**

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**9:00 – 9:30 a.m. Opening Remarks**

**Ellen Air, M.D., Ph.D.**

*Henry Ford + MSU Neuroscience Planning Committee Co-Chair and Henry Ford Health Department of Neurosurgery Chair*

**Kevin M. Guskiewicz, Ph.D.**

*Michigan State University President*

**Steven Kalkanis, M.D.**

*Henry Ford Hospital Executive Vice President and CEO, Henry Ford Medical Group CEO, and Henry Ford + MSU Board Member and JOC Committee Chair*

**9:30 – 10:30 a.m. Scientific Talks: Neuroimaging and Degeneration**

**9:30 – 9:42 a.m. GLIMMER: Glioblastoma Imaging & Molecular Monitoring for Early Risk-stratification**

*Eric Mellon, M.D., Ph.D., Henry Ford + MSU and Henry Ford Health*

**9:42 – 9:54 a.m. Brain Activity Analysis and Early Detection of Alzheimer's Risk: A Communication Perspective**

*Tongtong Li, Ph.D., Michigan State University*

**9:54 – 10:06 a.m. Utilizing the Rat Preformed Fibril Model to Study Features of Early Synucleinopathy**

*Joseph Patterson, Ph.D., Michigan State University*

**10:06 – 10:18 a.m. Electroacupuncture Enhances Astrocyte-Derived Small Extracellular Vesicle Release and Neuronal Endocytosis in Stroke Mice**

*Zhongwu Liu, Ph.D., Henry Ford Health*

**10:18 – 10:30 a.m. Role of Microglia in Amyloid-Enhanced Tauopathy**

*Marcia Gordon, Ph.D., Michigan State University*

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**10:30 – 10:45 a.m. BREAK**

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**10:45 – 11:45 a.m. Scientific Talks: Neurovascular Science, Sleep, and Addiction**

10:45 – 10:57 a.m. **Bridging Brain and Body: Motor Learning in Health and Disease**

*Rajiv Ranganathan, Ph.D., Michigan State University*

10:57 – 11:09 a.m. **Extracellular Vesicles: Novel Therapeutic Platforms for Neurological Diseases**

*Yi Zhang, Ph.D., Henry Ford Health*

11:09 – 11:21 a.m. **Impact of Sleep Disturbance on Brain Damage and Metabolomic Pathways in a Preclinical Model of TBI**

*Abdullah Ahmad, Ph.D., Henry Ford Health*

11:21 – 11:33 a.m. **Maternal Substance Use Health Services Research**

*Alyssa Vanderziel, Ph.D., Henry Ford Health*

11:33 – 11:45 a.m. **The Impact of Anti-Stigma Education in the Healthcare Field: A Program Design**

*Cara Poland, M.D., Michigan State University*

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**11:45 – 1:00 p.m. LUNCH**

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**1:00 – 2:00 p.m. Keynote Presentations**

1:00 – 1:30 p.m. **Designing and Implementing Sustainable Behavioral Health Interventions Across Settings**

*Jordan Braciszewski, Ph.D., Henry Ford Health*

1:30 – 2:00 p.m. **Using Global Multicohort Studies to Determine How Genetic and Environmental Factors Influence Brain Development in Infancy and Early Childhood**

*Rebecca Knickmeyer, Ph.D., Michigan State University*

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**2:00 – 2:15 p.m. BREAK**

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**2:15 – 3:30 p.m. Scientific Talks: Neuroinflammation, Neurodevelopmental and Psychiatric Disorders, and Research Cores**

2:15 – 2:27 p.m. **Metabolism and CNS Autoimmunity**

*Shailendra Giri, Ph.D., Henry Ford Health*

2:27 – 2:39 p.m. **Investigating the Complement Response to Proteinopathy**

*Matthew Benskey, Ph.D., Michigan State University*

2:39 – 2:51 p.m. **Prenatal and Early Life Origins of Autism Spectrum Disorder**

*Jennifer Straughen, Ph.D., Henry Ford Health*

2:51 – 3:03 p.m. **Endophenotypes of Mental Illness in Rodent Models**

*Alexander Johnson, Ph.D., Michigan State University*

3:03 – 3:20 p.m. **MSU Neuro-Imaging Resources**

**Cognitive Imaging Research Center (CIRC)**

*Norman Scheel, Ph.D., Michigan State University*

**Center for Imaging and Image Guided Therapies (CIIGT)**

*Erik Shapiro, Ph.D., Michigan State University*

**Preclinical Neuroimaging in the Advanced Molecular Imaging Facility**

*Christiane Mallett, Ph.D., Michigan State University*

3:20 – 3:30 p.m. **Henry Ford Health Public Health Sciences Resources**

*Laila Poisson, Ph.D., Henry Ford Health*

**3:30 – 3:45 p.m. Closing Remarks**

**Michelle Mazei-Robison, Ph.D.**

*Henry Ford + MSU Neuroscience Planning Committee Member and MSU Department of Physiology Professor*

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**3:45 – 5:30 p.m. NETWORKING AND POSTER SESSION (3<sup>rd</sup> Floor)**

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*For questions, please email [henryfordmsu@msu.edu](mailto:henryfordmsu@msu.edu).*