AGENDA

2nd Annual Henry + MSU Neuroscience Research Symposium

November 6, 2026

Martha Firestone and William Clay Ford Hall

9:00 – 9:30 a.m. **CHECK-IN & BREAKFAST**

9:30 – 10:00 a.m. **Opening Remarks**

Caryl Sortwell, Ph.D.
Henry Ford + MSU Neuroscience Committee Co-Chair

Steven Kalkanis, M.D.
Henry Ford Medical Group CEO, Henry Ford Hospital CEO, MSU College of Human Medicine Associate Dean

Kevin Guskiewicz, Ph.D.
Michigan State University President

10:00 – 11:00 a.m. **Session 1: Neuroscience Seed Funding Awardee Presentations**

Session Chair: Michelle Mazei-Robison, Ph.D. (MSU)

10:00 – 10:15 a.m. **Directional Extracellular Vesicle Release and Vascular Dysfunction in Alzheimer's Disease**
Yi Zhang, Ph.D. (Henry Ford) and Nicholas Kanaan, Ph.D. (MSU)

10:15 – 10:30 a.m. **Drivers of Fluid and Metabolite Transport in the Aging Brain**
Quan Jiang, Ph.D. (Henry Ford) and Qingguang Zhang, Ph.D. (MSU)

10:30 – 10:45 a.m. **Extracellular Vesicles Carrying Mitochondrial DNA Cargo Translate Lewy Body Pathology into Microglial Activation**
Yi Zhang, Ph.D. (Henry Ford) and Joseph Patterson, Ph.D. (MSU)

10:45 – 11:00 a.m. **Clinical Neuroimmunology of Non-Allergic Rhinitis**
John Craig, M.D. (Henry Ford) and Geffroy Laumet, Ph.D. (MSU)

11:00 – 12:00 p.m. **Poster Session**

12:00 – 1:00 p.m. **LUNCH**

1:00 – 2:00 p.m. **Keynote Speaker: "State of Neuroscience; Present and Future"**

Session Chair: Caryl Sortwell, Ph.D. (MSU)

Walter Koroshetz, M.D.
Neurologist; Former Director of the National Institute of Neurological Disorders and Stroke (NINDS)

2:00 – 2:15 p.m. **BREAK**

HENRY FORD HEALTH + MICHIGAN STATE UNIVERSITY Health Sciences

AGENDA

2:15 – 3:00 p.m. **Session 2: Neuroscience Seed Funding Awardee Presentations**
Session Chair: Ellen Air, M.D., Ph.D. (Henry Ford)

2:15 – 2:30 p.m. **Metabolic Programming of IL-10-Producing Monocytes/Macrophages During Chronic Pain Resolution**
Geoffroy Laumet, Ph.D. (MSU) and Shailendra Giri, Ph.D. (Henry Ford)

2:30 – 2:45 p.m. **Advancing Clinical MEG/EEG Interpretation in Epilepsy Using AI Techniques**
Farid-Ahmed Badar, Ph.D. (Henry Ford) and Saiprasad Ravishankar, Ph.D. (MSU)

2:45 – 3:00 p.m. **Metasurfaces to Increase Visual Acuity in Retinal Prostheses and Validation Via Spatial Transcriptomics**
Shashi Srivastava, Ph.D. (Henry Ford) and Erin Purcell, Ph.D. (MSU)

3:00 – 3:15 p.m. **BREAK**

3:15 – 4:00 p.m. **Session 3: Emerging Research & Introduction to the NGNRI**
Session Chair: Michael Chopp, Ph.D. (Henry Ford)

3:15 – 3:45 p.m. **Graduate Student & Postdoctoral Scholar Presentations**
Mapping the Interactome of Oligomeric Tau in Alzheimer's Disease using Biotinylation by Antibody Recognition
Ahmed Atwa, B.S. (MSU)

Single-Cell Atlas of Neuroinflammation Reveals AMPK as a Master Metabolic Gatekeeper Restraining Myeloid Reprogramming and Pathogenic Th17/Treg Dysregulation
Mena Fatma, Ph.D. (Henry Ford)

Developing Engineered Endosymbionts for Direct Reprogramming of Astrocytes into Dopaminergic Neurons
Ahmed Zarea, B.S. (MSU)

3:45 – 4:00 p.m. **The Nick Gilbert Neurofibromatosis Research Institute (NGNRI)**
Ivan Baines, Ph.D.
NGNRI Chief Operating Officer and Project Lead

4:00 - 4:15 p.m. **Closing Remarks**
Ellen Air, M.D., Ph.D.
Henry Ford + MSU Neuroscience Committee Co-Chair

4:15 – 5:15 p.m. **NETWORKING RECEPTION**

HENRY FORD HEALTH +
MICHIGAN STATE UNIVERSITY
Health Sciences