



1ST Annual Carol and Gene Ludwig Center for Research on Neurodegeneration Symposium

Friday, November 22, 2024

Location: Roy and Diana Vagelos Education Center, 104 Haven Ave, Room VEC 401, New York, NY 10032

Symposium theme:

Cellular and Molecular Mechanisms Underlying Vascular Contributions to Alzheimer's Disease

Time	Event	Speaker
8:00 - 8:45 AM	Registration, Welcome Coffee, and Poster Setup	
8:45 - 9:00 AM	Opening Remarks and Introduction	Peter St George-Hyslop Elizabeth Bradshaw
SESSION 1	Moderated by	Vilas Menon
9:00 - 9:45 AM	<i>Modeling CerebroVascular Changes Associated with Alzheimer's Disease Risk using Human Induced Pluripotent Stem Cells</i>	Sally Temple
9:50 - 10:10 AM	<i>APOE4-mediated aggregation of FN1 at the blood-brain-barrier is a proximal pathomechanism for vascular contribution to Alzheimer's disease</i>	Caghan Kizil
10:15 - 10:35 AM	<i>Multi-Omics of Vascular Risk Factors in Alzheimer's disease</i>	Annie Lee
10:40 - 11:00 AM	<i>Discovery of core features of vascular contributions to dementia through the lens of autosomal dominant disease</i>	Fanny Elahi
11:05 - 11:25 AM	Q&A and Panel Discussion	
11:30 - 11:55 AM	Coffee Break	
SESSION 2	Moderated by	Wassim Elyaman
11:35 - 12:20 PM	<i>Tracing proteomes across the blood-brain barrier</i>	Andrew Yang
12:25 - 12:45 PM	<i>Developing human stem cell derived models of blood brain barrier dysfunction in Alzheimer's disease</i>	Andrew Sproul
12:50 - 1:10 PM	<i>The generation of amyloid peptides in hypoxia and the vascular pathways for peptide removal</i>	James Goldman
1:15 - 1:25 PM	Q&A and Panel Discussion	
1:30 - 2:45 PM	Lunch Break, Poster Viewing, and Coffee	
SESSION 3	Moderated by	Badri N. Vardarajan
2:50 - 3:20 PM	<i>Frequency and Impact of Cerebrovascular Pathology in Alzheimer's Disease</i>	Richard Mayeux
3:25 - 3:35 PM	<i>Neuroimaging and fluid biomarkers for vascular cognitive impairment: Probing the vascular-Alzheimer's interface</i>	Adam Brickman
3:40 - 4:00 PM	<i>Amyloid related brain inflammation – vessels are the villains!</i>	Lawrence Honig
4:05 - 4:25 PM	<i>Immuno- and neuromodulation using ultrasound for the treatment of Alzheimer's</i>	Elisa Konofagou
4:30 - 4:50 PM	<i>Neurovascular dysfunction and cognitive health: from vascular cognitive impairment to Alzheimer's disease</i>	Costantino Iadecola
4:55 - 5:35 PM	Q&A and Panel Discussion	
5:35 - 5:45 PM	Closing Remarks	