

Meeting Programs of ISNVD 2022

July 21 (Thursday)		July 22 (Friday)		July 23 (Saturday)	
07:30	Check-In & Breakfast	07:30	Check-In & Breakfast	07:30	Check-In & Breakfast
08:30	Welcome Remarks	08:30	S7 – Advanced Imaging for neurovascular disease	08:30	S14 – Neuroinflammation, Venous Abnormalities and Dementia
08:50	Plenary Keynote Lecture	09:50	S8 – Diabetes, Stroke, TBI & Dementia	09:30	S15 – Imaging Methods for Neurodegenerative Diseases
09:20	S1 – Vascular Anatomy & Neurovascular Physiology	10:50	Coffee Break	10:30	Coffee Break
10:40	Coffee Break	11:10	S9 – Advanced Imaging for Neurodegenerative Disease	10:40	S16 – Imaging Methods for Neurofluid Dynamics
11:00	S2 – Vascular Contribution to Cognitive Impairment & Dementia (VCID)	12:10	S10 – Poster Session	12:00	Panel Discussion of Day 3 Topics
12:00	S3 – Poster Session	12:30	Lunch Break	12:20	Closing Remarks & Award Ceremony
12:30	Lunch Break	13:30	S11 – CSF Dynamics and Glymphatic System	13:00	Adjournment
13:30	S4 – Genetic, Sleep, Exercise, and Dietary Relation to Dementia	14:50	S12 – YIA Presentations		
14:50	Coffee Break	15:40	Coffee Break		
15:10	S5 – Scientific Abstract Presentations	16:00	Plenary Keynote Lecture		
16:00	S6 – Invited Zoom Lectures	16:30	S13 – Virtual Abstract Presentation		
17:00	Panel Discussion of Day 1 Topics	17:30	Panel Discussion of Day 2 Topics		
17:20	Group Photo	17:50	Adjourn		
18:30	Opening Reception Event	18:30	Dinner		

The 10th ISNVD Annual Meeting on
Vascular Contributions to Healthy Aging and Dementia
 July 21-23, New York City

Day 1: Thursday, July 21		
07:30	Check-In & Breakfast	
08:30	Opening Remarks & Conference Goal	Yulin Ge, MD. President of ISNVD, Conference Chair
08:40	Welcome to NYU	Robert I. Grossman, MD. Dean & CEO of NYU Grossman School of Medicine, NYU Langone Health
08:45	Welcome Remarks on ISNVD	E. Mark Haacke, Ph.D. Past President of ISNVD, Conference Co-Chair
Plenary Keynote Lecture		
08:50	<i>NINDS Programs and Vision for Vascular Contributions to Cognitive Impairment and Dementia (VCID)</i>	Roderick A. Corriveau, Ph.D. National Institute of Neurological Disorder and Stroke (NINDS), MD, USA
S1 – Vascular Anatomy & Physiology in Aging		
09:20	<i>Vascular Anatomy of the Brain: Macro and Microvasculature</i>	Nivedita Agarwal, MD. IRCCS Eugenio Medea, Lecco (LC) Italy.
09:40	<i>The Role of the Vascular Endothelium in Neurovascular Coupling</i>	Elizabeth M.C. Hillman, Ph.D. Professor, Columbia University, NY, USA
10:00	<i>The Brain Vascular Connectome and Brain-Wide Arteriole Dynamics</i>	David Kleinfeld, Ph.D. Distinguished Professor,

		University of California at San Diego, CA, USA
10:20	<i>Vascular Physiology, White Matter Lesions, Neurodegeneration, and Alzheimer's Disease</i>	David Salat, Ph.D. Associate Professor, Harvard Medical School, MA, USA
10:40	Coffee Break	
S2 – Vascular Contribution to Cognitive Impairment & Dementia (VCID)		
11:00	<i>Vascular Cognitive Impairment: Where We Have Been and Where We Are Going</i>	Charles S DeCarli, MD. Distinguished Professor, University of California in Davis, CA, USA
11:20	<i>Cerebrovascular Reactivity as a Biomarker in VCID</i>	Hanzhang Lu, Ph.D. Professor, Johns Hopkins University, MD, USA
11:40	<i>Emerging and Overlapping Rules of Hippocampal Cellular Vulnerability between Alzheimer's Disease, Vascular Disease, and Epilepsy</i>	Arjun Masurkar, MD, Ph.D. Assistant Professor, NYU Grossman School of Medicine, NY, USA
12:00	S3 – Poster Session	
12:30	Lunch Break	
S4 – Genetic, Sleep, Exercise, Dietary Relation to Dementia		
13:30	TBD	Mohammad Ikram (TBD) Professor, Erasmus MC Rotterdam, the Netherlands
13:50	<i>Sleep Clues to Alzheimer's Disease</i>	Omonigho Michael Bubu, M.D., Ph.D., Assistant Professor, NYU Grossman School of Medicine, NY, USA
14:10	<i>Aerobic Exercise Training Reduces Central Arterial Stiffness and Improves Cerebral Blood Flow in Older Adults</i>	Rong Zhang, Ph.D. Professor, UT Southwestern Medical Center, TX, USA
14:30	TBD	TBD

14:50	Coffee Break	
15:10	S5 – Scientific Abstract Presentations	
S6 – Invited Zoom lectures		
16:00	<i>Tentative Title: Functional fMRI: Vascular and Neural Correlates in Aging</i>	Bharat B. Biswal, Ph.D. Distinguished Professor, New Jersey Institute of Technology, NJ, USA
16:20	<i>ARTS: A Marker of Arteriolosclerosis</i>	Konstantinos Arfanakis, Ph.D. Professor, Rush University Medical Center, IL, USA
16:40	<i>The Advancement of MRI in Stroke</i>	Meiyun Wang, MD. Professor and Chair of Radiology, Henan Provincial People's Hospital, China
17:00	Panel Discussion of Day 1 Topics	
17:20	Group Photo	
18:30	Opening Reception Event	
Day 2: Friday, July 22		
07:30	Check-In & Breakfast	
S7 – Advanced Imaging for Neurovascular Disease		
08:30	<i>Seeing is Believing: The Role of Imaging in Neurovascular Research</i>	Yulin Ge, MD. Professor, NYU Grossman School of Medicine, NY, USA
08:50	<i>Incorporating VCID Imaging Biomarkers in AD/ADRD Studies</i>	Prashanthi Vemuri, Ph.D. Professor, Mayo Clinic, Rochester, MN, USA
09:10	<i>Mapping Subtle BBB Changes with Contrast and Noncontrast MRI</i>	Danny JJ Wang, Ph.D. Professor, University of Southern California, CA, USA

09:30	<i>Noninvasive Drug Delivery Through the Ultrasound-Mediated Blood-Brain Barrier Opening</i>	Elisa E. Konofagou, Ph.D. Professor, Columbia University, NY, USA
S8 – Diabetes, Stroke, TBI & Dementia		
09:50	<i>The NINDS Stroke Portfolios: Updates and New Opportunities</i>	William P. Daley, Ph.D. Program Director, National Institute of Neurological Disorder and Stroke (NINDS), MD, USA
10:10	<i>The Association of Diabetes with Dementia</i>	Zoe Arvanitakis, MD, MS. Professor, Rush University Medical Center, IL, USA
10:30	<i>Multi-Modal Neuroimaging of Traumatic Brain Injury and Chronic Traumatic Encephalopathy</i>	Cyrus Raji, MD, Ph.D. Assistant Professor, Washington University in St. Louis, MO, USA
10:50	Coffee Break	
S9 – Advanced Imaging for Neurodegenerative Disease		
11:10	<i>Clinical Applications of MICRO MRAV: The Next Generation of Neurovascular Imaging</i>	E. Mark Haacke, Ph.D. Professor, Wayne State University, MI, USA
11:30	<i>Detailed Morphometry of the Human Medial Temporal Lobe in Neurodegenerative Disease</i>	Paul Yushkevich, Ph.D. Associate Professor, University of Pennsylvania, PA, USA
11:50	TBD	TBD
12:10	S10 – Poster Session	
12:30	Lunch Break	
S11 – CSF Dynamics and Glymphatic System		
13:30	<i>Human CSF Clearance Egress Pathways and Clinical Significance in Alzheimer's Disease</i>	Mony de Leon, Ed.D. Professor, Weill Cornell Medicine, NY, USA
13:50	<i>Glymphatic System Transport Changes in Animal Models of Cerebral Small Vessel Disease</i>	Helene Benveniste, Ph.D. Professor, Yale School of

		Medicine, CT, USA
14:10	<i>Probing CSF Mobility for Human Brain Clearance MRI: Water Transport across the Blood-CSF Barrier and Mobility of CSF in Perivascular Spaces</i>	Matthias van Osch, Ph.D. Professor, Leiden University Medical Center The Netherlands
14:30	<i>Neurofluid Dynamics and Neuropathologies in a Holistic Framework</i>	Eleuterio F. Toro, Ph.D. Professor, University of Trento, Trento, Italy
14:50	S12 – YIA Presentations	
15:40	Coffee Break	
Plenary Keynote Lecture		
16:00	<i>Neurovascular Risk Factors and Dysfunction in Aging and Dementia</i>	Constantino Iadecola, MD. Professor of Neurology at Weill Cornell Medicine, NY, USA
16:30	S13 – Virtual Abstract Presentation	
17:30	Panel Discussion of Day 2 Topics	
17:50	Adjourn	
18:30	Dinner	
Day 3: Saturday, July 23		
07:30	Check-In & Breakfast	
S14 – Neuroinflammation, Venous Abnormalities and Dementia		
08:30	<i>Venous Abnormalities in Neurodegenerative Diseases</i>	Paolo Zamboni, MD. Professor, University of Ferrara, Ferrara, Italy
08:50	<i>Neuroinflammation and Vascular Dementia</i>	Kunlin Jin, Ph.D. Professor, University of North Texas Health Science Center, TX, USA
09:10	<i>Acute and Post-acute COVID-19 Related Cognitive Impairment: The Relationship with Endothelial Dysfunction, Inflammation and</i>	Jennifer Frontera, MD. Professor, NYU Grossman

	<i>Neurodegeneration</i>	School of Medicine, NY, USA
S15 – Imaging Methods for Neurodegenerative Diseases		
09:30	<i>Dynamic Contrast Enhanced MRI for Assessment of BBB: Challenges and New Opportunities</i>	Gene S Kim, Ph.D. Professor, Weill Cornell Medical College, NY, USA
09:50	<i>In Vivo Vascular Mapping of the Human Hippocampus Using MICRO Imaging</i>	Sagar Buch, Ph.D. Assistant Professor, Wayne State University, MI, USA.
10:10	<i>Emerging Metabolic Imaging and Spectroscopic Methods to Study Neurodegenerative Diseases</i>	Sanjeev Chawla, Ph.D, DABMP. Assistant Professor, University of Pennsylvania, PA, USA
10:30	Coffee Break	
S16 – Imaging Methods for Neurofluid Dynamics		
10:40	<i>The Influence of Body Position on Cerebrospinal Fluid Circulation</i>	David Chu, Ph.D. Chief Scientist for Advanced Applications, FONAR Corporation, NY, USA
11:00	<i>Measuring Respiratory and Cardiac Influences on Blood and Cerebrospinal Fluid Flow with Real-Time MRI.</i>	Maria Marcella Laganà Ph.D. IRCCS Fondazione Don Carlo Gnocchi ONLUS, Milan, Italy
11:20	<i>New Quantitative Results for the Direct Participation of the Parenchymal Vascular System in Cerebral Waste Removal</i>	Jiani Hu, Ph.D. Professor and Co-Director of MR Research Facility, Wayne State University, MI, USA
11:40	<i>CSF Bulk Flow in the Human Brain via Dynamic Sodium (²³Na) MRI</i>	Yongxian Qian, Ph.D. Assistant Professor, NYU Grossman School of Medicine, NY, USA
12:00	Panel Discussion of Day 3 Topics	
12:20	Closing Remarks & Award Ceremony	
13:00	Adjournment	