

Break or Meal Function
Industry Session
Partner Session or Symposium
ACTRIMS Invited Session
ACTRIMS Poster or Discussion Session

THURSDAY, FEBRUARY 27 th	
7:30 – 9:00 AM	REGISTRATION OPEN & BREAKFAST IN THE HUB
7:45 – 8:45 AM	SS1. INDUSTRY SUPPORTED CE SATELLITE SYMPOSIUM 1
9:00 – 10:15 AM	WELCOME & KENNETH P. JOHNSON MEMORIAL LECTURE
Welcome Mark Freedman, <i>ACTRIMS President, University of Ottawa</i> Neuroimmune Interactions: How Past Lessons Can Inform the Present and Future of MS Care Jack Antel, <i>McGill University</i>	
10:15 – 10:30 AM	BREAK
10:30 – 12:05 PM	S1. SESSION 1 – EMERGING CONCEPTS IN MS
Theme: Highlighting studies that inform our understanding of the pathogenic mechanisms in MS, introduce novel measures to capture disease activity and advance treatment options for affected individuals. This session will be comprised of platform presentations by Young Investigators selected from submitted abstracts. <i>Each presenter will have 15 minutes total for their presentation – 12 minutes for the presentation and 3 minutes for Q&A.</i> Chairs: Erin Longbrake, <i>Yale University</i> & Jing-Ping Lin, <i>National Institutes of Health</i>	
12:05 – 1:30 PM	LUNCH IN THE HUB
12:20 – 1:20 PM	SS2. INDUSTRY SUPPORTED CE SATELLITE SYMPOSIUM 2
12:30 – 1:15 PM	BRAIN EXCHANGE 1 – NATIONAL MULTIPLE SCLEROSIS BRAIN BANK
	Moderators: Claire Riley, <i>Columbia University</i> & Philip De Jager, <i>Columbia University</i>
	BRAIN EXCHANGE 2 – HOW TO UTILIZE AI IN MS RESEARCH AND CLINICAL PRACTICE
	Moderators: Daniel Ontaneda, <i>Cleveland Clinic</i> & Moein Amin, <i>Cleveland Clinic</i>
1:30 – 2:30 PM	API. IMVISUAL SYMPOSIUM: CONNECTIONS ALONG AND BEYOND THE VISUAL PATHWAY
2:30 – 2:45 PM	BREAK
2:45 – 4:15 PM	S2. SESSION 2 – CONNECTING AGING TO MS PATHOLOGY & PROGRESSION
Theme: Assessing biological and chronological aging in MS, and its influence on the immune system, CNS, and response to therapy. <i>Each speaker has 15 minutes and 25 minutes reserved for questions at the end.</i> Chairs: Orhun Kantarci, <i>Mayo Clinic</i> & Yinan Zhang, <i>The Ohio State University</i>	
2:45 – 2:50	Introduction
2:50 – 3:05	S2.1 MRI Assessment of Biological Age in MS Erin Beck, <i>Mount Sinai</i>
3:05 – 3:20	S2.2 Deleterious Aging in MS Driven by T Cells Nathalie Arbour, <i>University of Montreal</i>
3:20 – 3:35	S2.3 Impact of Aging on Gut-Brain Axis in Neuroinflammation Lisa Osborne, <i>University of British Columbia</i>
3:35 – 3:50	S2.4 Therapy Discontinuation in Older Adults with MS John Corboy, <i>University of Colorado</i>
3:50 – 4:15	Q & A
4:15 – 4:30 PM	BREAK
4:30 – 5:35 PM	CE1. CUTTING EDGE DEVELOPMENTS
Theme: Cutting-edge platform presentations selected from submitted abstracts. <i>Each presenter will have 15 minutes total for their presentation – 12 minutes for the presentation and 3 minutes for Q&A.</i> Chairs: Claire Riley, <i>Columbia University</i> & Erin Gibson, <i>Stanford University</i>	

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Thursday, February 27 Continued

5:35 – 6:00 PM	SOCIAL BREAK IN THE HUB
6:00 – 7:30 PM	POSTER SESSION 1
7:45 – 9:00 PM	IWIMS EVENT

FRIDAY, FEBRUARY 28th

7:30 – 9:00 AM	BREAKFAST IN THE HUB
8:00 – 9:00 AM	SS3. INDUSTRY SUPPORTED CE SATELLITE SYMPOSIUM 3
9:00 – 9:15 AM	BREAK
9:15 – 10:45 AM	S3. SESSION 3 – CONNECTING TO DISEASES BEYOND MS

Theme: Exploring the differences and similarities between MS and other neurological conditions with respect to genetic risk, transcriptomes, prodromes, and pathophysiology.

Each speaker has 15 minutes and 25 minutes reserved for questions at the end.

Chairs: Douglas Sato, *Pontifical Catholic University of Rio Grande do Sul (PUCRS)* & Jodie Burton, *University of Calgary*

9:15 – 9:20	Introduction
9:20 – 9:35	S3.1 Shared Genetic Risk Loci Across MS & Other Autoimmune Diseases Matthew Lincoln, <i>University of Toronto</i>
9:35 – 9:50	S3.2 Transcriptomic Changes in MS vs Secondary Demyelination Vilas Menon, <i>Columbia University</i>
9:50 – 10:05	S3.3 Prodromes in CNS Demyelinating Diseases Dalia Rotstein, <i>University of Toronto</i>
10:05 – 10:20	S3.4 MOGAD vs MS Pathophysiology Kevin O'Connor, <i>Yale University</i>
10:20 – 10:45	Q & A

10:45 – 11:00 AM	BREAK
11:00 AM – 12:05 PM	CE2. CUTTING EDGE DEVELOPMENTS

Theme: Cutting-edge platform presentations selected from submitted abstracts.

Each presenter will have 15 minutes total for their presentation – 12 minutes for the presentation and 3 minutes for Q&A.

Chairs: Ranjan Dutta, *Cleveland Clinic* & Nara Michaelson, *Harvard University*

12:05 – 1:30 PM	LUNCH IN THE HUB
12:20 – 1:20 PM	SS4. INDUSTRY SUPPORTED CE SATELLITE SYMPOSIUM 4
12:30 – 1:15 PM	BRAIN EXCHANGE 3 – DESIGNING AND CONDUCTING REMYELINATION TRIALS
	Moderators: Shiv Saidha, <i>Johns Hopkins</i> & Jiwon Oh, <i>University of Toronto</i>
	BRAIN EXCHANGE 4 – NETWORKING AND CAREER PATHWAYS FOR MID-CAREER PROFESSIONALS
	Moderators: Catherine Larochelle, <i>University of Montreal</i> & Gregory Wu, <i>Washington University in St. Louis</i>
1:30 – 2:30 PM	AP2. NAIMS SYMPOSIUM: IMAGING BRAIN CONNECTIONS USING STRUCTURAL AND FUNCTIONAL METHODS
2:30 – 2:45 PM	BREAK

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Friday, February 28 Continued

2:45 – 4:15 PM	S4. SESSION 4 – REGIONAL CONNECTIONS IN MS, WITHIN & BEYOND THE CNS
Theme: Discussing the importance of functional connections between CNS regions, CNS compartments, and the CNS and PNS. <i>Each speaker has 15 minutes and 25 minutes reserved for questions at the end.</i> Chairs: Eric Klawiter, <i>Harvard University</i> & Unsong Oh, <i>Virginia Commonwealth University</i>	
2:45 – 2:50	Introduction
2:50 – 3:05	S4.1 CNS Structural Disconnectivity in MS Amy Kuceyeski, <i>Cornell University</i>
3:05 – 3:20	S4.2 Neuromodulation for Myelin Repair and Restoration of Function Cristin Welle, <i>University of Colorado</i>
3:20 – 3:35	S4.3 Spatial Transcriptomics of Meningeal Inflammation Reveals Variable Penetrance of Inflammatory Gene Signatures into Adjacent Brain Parenchyma Sachin Gadani, <i>University of Pittsburgh</i>
3:35 – 3:50	S4.4 Skull Bone Marrow & Myelin Peptide Tolerance Jony Kipnis, <i>Washington University in St. Louis</i>
3:50 – 4:15	Q & A
4:15 – 4:30 PM	BREAK
4:30 – 5:30 PM	BP1. NATIONAL MS SOCIETY BARANCIK AWARD PRESENTATION AND TALK
5:30 – 6:00 PM	SOCIAL BREAK IN THE HUB
6:00 – 7:30 PM	POSTER SESSION 2

SATURDAY, MARCH 1st

7:30 – 9:00 AM	BREAKFAST
8:00 – 9:00 AM	SS5. INDUSTRY SUPPORTED CE SATELLITE SYMPOSIUM 5
9:00 – 9:15 AM	BREAK
9:15 – 10:45 AM	S5. SESSION 5 – CONNECTING DATA TO THE CLINIC USING MACHINE LEARNING
Theme: Advancements in using machine learning to understand MS pathology, progression, and clinical heterogeneity. <i>Each speaker has 15 minutes and 25 minutes reserved for questions at the end.</i> Chairs: Michael Dwyer, <i>University at Buffalo</i> & Darin Okuda, <i>University of Texas Southwestern</i>	
9:15 – 9:20	Introduction
9:20 – 9:35	S5.1 Linking MS Immune Cell Protein Signatures With Clinical Progression Stephanie Zandee, <i>McGill University</i>
9:35 – 9:50	S5.2 Machine Learning to Improve MS Imaging Taki Shinohara, <i>University of Pennsylvania</i>
9:50 – 10:20	S5.3 Debate: MS Subtypes Exist Heinz Wiendl, <i>University of Freiburg</i> (Affirmative) Kathryn Fitzgerald, <i>Johns Hopkins</i> (Negative)
10:20 – 10:45	Q & A
10:45 – 11:00 AM	BREAK

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Saturday, March 1 Continued

11:00 – 12:30 PM	S6. SESSION 6 – NEW CONCEPTS IN REPAIRING AND PROTECTING CONNECTIONS
Theme: Understanding what drives remyelination and its failure, the resulting consequences for axonal health, and how to measure this in the clinic. <i>Each speaker has 15 minutes and 25 minutes reserved for questions at the end.</i> Chairs: Anastassia Voronova, <i>University of Alberta</i> & Cole Harrington, <i>The Ohio State University</i>	
11:00 – 11:05	Introduction
11:05 – 11:20	S6.1 Heterogeneity of Oligodendrocyte Lineage Cell Responses During Remyelination Ethan Hughes, <i>University Colorado</i>
11:20 – 11:35	S6.2 Mechanisms of Neuronal Vulnerability Following Remyelination Failure Ben Emery, <i>Oregon Health & Science University</i>
11:35 – 11:50	S6.3 Modeling Remyelination Failure with MS Lymphocyte Adoptive Transfer Violetta Zujovic, <i>Paris Brain Institute</i>
11:50 – 12:05	S6.4 Novel Approaches to PET Imaging in Demyelinating Disease Pedro Brugarolas, <i>Harvard University</i>
12:05 – 12:30	Q & A
12:30 – 2:00 PM	LUNCH
12:45 – 1:50 PM	AP3. GLOBAL SYMPOSIA
12:45 – 1:15 PM	LACTRIMS SYMPOSIUM
1:15 – 1:20 PM	RESET
1:20 – 1:50 PM	EUROPEAN CHARCOT FOUNDATION SYMPOSIUM: PATHOBIOLOGY OF DISRUPTED CONNECTIVITY IN MULTIPLE SCLEROSIS
1:50 – 2:00 PM	BREAK
2:00 – 2:45 PM	LBI: LATE BREAKING RESEARCH AND CLINICAL TRIALS
Up to four (4) abstracts selected from the Late-Breaking abstract submissions. Chairs: Daniel Ontaneda, <i>Cleveland Clinic</i> & Wee Yong, <i>University of Calgary</i>	
2:45 – 3:00 PM	AWARDS PRESENTATION & CLOSING