



Agenda as of 4.11.22 – Subject to change

WEDNESDAY, APRIL 27, 2022	
6:00 - 8:00 pm	Welcome Reception / Networking Event
THURSDAY, APRIL 28, 2022	
8:30 – 9:30 am	Breakfast / Meet the Mentors
9:30 – 10:00 am	Introductory Remarks and Case Study I Benjamin Segal, The Ohio State University
10:00 – 10:30 am	Clinical MS Subtypes and Course <i>Relapsing remitting versus Secondary Progressive MS versus Primary Progressive MS;</i> Demographic characteristics of each subtype- Diagnostic criteria; Typical MS symptoms/ signs Stephen Krieger, Mount Sinai
10:30 – 10:45 am	BREAK
10:45 – 11:15 am	Epidemiology and Environmental Factors <i>Geographic risk; Vitamin D; Cigarette smoking; Obesity; EBV</i> Helen Tremlett, University of British Columbia
11:15 – 11:45 am	Genetics and Epigenetics of MS <i>Concordance rates / twin studies; prominent MS risk alleles; epigenetic modifications</i> Jennifer Graves, University of California, San Diego
11:45 am – 1:30 pm	LUNCH / WORKSHOP <ul style="list-style-type: none"> • <i>Women and underrepresented minorities in MS Research: Challenges, strategies, and support networks</i> Moderator: Tirisham Gyang Discussants: Mitzi Joi Williams, Jiwon Oh, Rhonda Voskuhl, Dorlan Kimbrough, Emily Harrington, Fiona Costello
1:30 – 2:00 pm	Neuropathology of MS: The White Matter Lesion <i>Classical features / white matter lesion subtypes (i.e. active, chronic active / smoldering, chronic inactive; Lucchinetti-Landsman classification; shadow plaques); Composition of inflammatory infiltrates; Axonopathy / Demyelination / Astrocytosis</i> David Pitt, Yale University
2:00 – 2:30 pm	Neuropathology of MS: The Cortex, Deep Grey Matter, and Meninges <i>Grey matter involvement / cortical lesions; Meningeal inflammation / follicles</i> Martina Absinta, Johns Hopkins School of Medicine
2:30 – 3:00 pm	Neuronal and Axonal Damage in EAE / MS Tara DeSilva, Cleveland Clinic
3:00 – 3:30 pm	Case Study II Daniel Ontaneda, Cleveland Clinic

6:30 – 8:30 pm	Dinner at Poogan's Courtyard
FRIDAY, APRIL 29, 2022	
8:30 – 9:30 am	Breakfast with Mentors
9:30 – 9:45 am	Day 1 Recap and Day 2 Preview with Dr. Segal
9:45 – 11:45 am	Paraclinical Tests and Outcome Measures
9:45 – 10:15	Immunological markers <i>OCBs, IgG index, anti-aquaporin-4 antibodies, ENA, research studies</i> Mitzi Joi Williams, Founding Director, Joi Life Wellness Group
10:15 – 10:45	MRI: Typical Findings / Research Applications Jiwon Oh, University of Toronto
10:45 – 11:15	Visual Measurements and Optical Coherence Tomography Dorlan Kimbrough, Duke University
11:15 – 11:45	Panel Discussion with Williams, Oh, Kimbrough; Moderator: Tirisham Gyang
11:45 am – 1:30 pm	LUNCH / WORKSHOP <ul style="list-style-type: none"> <i>Global perspectives on MS research: How does MS and related disorders vary in incidence / clinical presentation around the world? What opportunities are there for MS research in difference regions of the world?</i> Moderator: Daniel Ontaneda Discussants: Martina Absinta, Jennifer Graves, David Pitt
1:30 – 2:30 pm	Workshop: Animal Models of MS (EAE and chemically induced demyelination) Topics of discussion: How individual models accurately simulate, or differ from, human disease; Translatability of animal model findings to the clinic. Appropriateness of different animal models for studying inflammatory, neurodegenerative, demyelinating and/ or repair pathways potentially relevant to MS. Moderator: Olaf Stuve Participants: Greg Wu, Peter Calabresi, Tara DeSilva, Rhonda Voskuhl, Scott Zamvil
2:30 – 2:45 pm	BREAK
2:45 – 3:15 pm	Neuromyelitis Optica and MOG Ab Mediated Disease <i>Clinical presentation, demographics, serologies / work – up, treatment</i> Scott Zamvil, UCSF
3:15 – 3:45 pm	MS Clinical Trial Design <i>Basic elements of clinical trial design (inclusion / exclusion criteria, randomization, placebo versus head-to-head, outcome measures, Phase 1 vs. 2 vs. 3, etc.)</i> Ellen Mowry, Johns Hopkins University
3:45 – 4:15 pm	Current Disease Modifying Therapies <i>Disease Modifying Therapies: Mechanism of action / efficacy / side effects / customized approaches / aggressive versus escalation approaches; Autologous Bone Marrow Transplantation</i> Emily Harrington, The Ohio State University
5:30 – 8:00 pm	Poster Session / Dinner Stations
6:00 - 7:00	Presentations of Poster Numbers (staggered based on those submitted)
7:00 - 8:00	Presentations of Poster Numbers (staggered based on those submitted)

SATURDAY, APRIL 30, 2022

8:30 – 9:30 am	Breakfast with Mentors
9:30 – 9:45 am	Day 2 Recap and Day 3 Preview with Dr. Segal
9:45 – 10:15 am	Case Study III <i>Management of RRMS patient with breakthrough disease activity</i> Tirisham Gyang, The Ohio State University
10:15 – 10:45 am	Disease Modifying Therapies on the Horizon <i>Ongoing and planned clinical trials, including of neuroprotective and pro-regenerative therapies</i> Rhonda Voskuhl, University of California, Los Angeles
10:45 – 11:00 am	Break
11:00 am – 12:00 pm	Panel Discussion: Enhancing translational research: How to forge collaborations with clinicians Moderator: Greg Wu Discussants: Jiwon Oh, Tara DaSilva, Ellen Mowry, Scott Zamvil, Helen Tremlett
12:00 – 12:45 pm	Workshop: Career Pathways Participants: Ursula Utz, Doug Landsman, Scott Zamvil, Benjamin Segal, Rhonda Voskuhl, Greg Wu, Ellen Mowry, Peter Calabresi
12:45 – 1:00 pm	Closing Remarks Benjamin Segal, The Ohio State University