New Perspectives in Multiple Sclerosis:
Epidemiology, Pathology, Imaging and Treatment Strategies

AGENDA

7:30am Registration / Continental Breakfast
8:30am Welcome and Introduction
Robert Zivadinov, MD PhD
8:45am Epidemiology and Genetics of MS: An Update
Philip L. De Jager, MD PhD
9.30am Pathology of MS: New Perspectives
Bruce Trapp, PhD
10:15am Break
10:30am Imaging techniques in MS I: The past, present and the future
Omar Khan, MD
11:15am Imaging techniques in MS II: The past, present and the future
Robert Zivadinov, MD PhD
12:00pm Discussion on MRI Measures
Morning Session Faculty
12:30pm Luncheon Buffet
1:15pm Linking Immunology to Better Interpretation of Clinical Trials in MS
V. Wee Yong, PhD
2:00pm Update on the Diagnosis and Management of MS
Patricia Coyle, MD
2:45pm Break
3:00pm MS Outcomes for Current and Future MS Therapies: What Really Matters?
Fred D. Lublin, MD
3:45pm New Treatment Strategies in MS
Bruce Cree, MD PhD MCR
4:30pm Discussion
Afternoon Session Faculty

PROGRAM DIRECTOR

Robert Zivadinov, MD, PhD
Associate Professor
• Department of Neurology
State University of NY at Buffalo
School of Biomedical Sciences

Director
• Buffalo Neuroimaging Analysis Center
The Jacobs Neurological Institute

FACULTY

Philip L. De Jager, MD PhD
Assistant Professor of Neurology
Director, Translational NeuroPsychiatric Genomics Program
Harvard University

Omar Khan, MD
Professor of Neurology
Wayne State University
Director, Wayne State MS Clinical Research Center & Image Analysis Laboratory

Patricia K. Coyle, MD
Professor Acting Chair, Department of Neurology
Director, MS Comprehensive Care Center
Stony Brook University
Stony Brook, NY

Bruce Cree, MD PhD MCR
Assistant Professor of Clinical Neurology
University of California, San Francisco

Bruce Trapp, PhD
Chairman, Department of Neurosciences
Lerner Research Institute, Cleveland Clinic

V. Wee Yong, PhD
Professor, Departments of Clinical Neurosciences and Oncology
University of Calgary, Canada

Fred D. Lublin, MD
Director, Corinne Goldsmith Dickinson Center for Multiple Sclerosis
Saunders Family Professor of Neurology
Mount Sinai School of Medicine
New York, NY

Robert Zivadinov, MD, PhD
Associate Professor
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Professor Acting Chair, Department of Neurology
Director, MS Comprehensive Care Center
Stony Brook University
Stony Brook, NY

Bruce Cree, MD PhD MCR
Assistant Professor of Clinical Neurology
University of California, San Francisco

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Chairman, Department of Neurosciences
Lerner Research Institute, Cleveland Clinic

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University of Calgary, Canada

Fred D. Lublin, MD
Director, Corinne Goldsmith Dickinson Center for Multiple Sclerosis
Saunders Family Professor of Neurology
Mount Sinai School of Medicine
New York, NY

Robert Zivadinov, MD, PhD
Associate Professor
• Department of Neurology
State University of NY at Buffalo
School of Biomedical Sciences

Director
• Buffalo Neuroimaging Analysis Center
The Jacobs Neurological Institute

FACULTY
Multiple sclerosis (MS) is an autoimmune disease of the central nervous system. Yet, although it is understood that the MS immune system mediates the disease, patients remain unaware of the mechanisms behind the disease. This ignorance of the mechanisms ultimately affects treatment outcomes, as therapies need to be optimized to target the correct immune cells. The course will discuss the opportunities and challenges associated with current treatment strategies. New perspectives in multiple sclerosis, epidemiology, pathology, imaging and treatment strategies are also presented.

LEARNING OBJECTIVES

- Important environmental risk factors for MS, including vitamin D, smoking and distance
- Most relevant genetic risk factors for MS (class I and II HLA genes and other single-nucleotide polymorphisms)
- Whole genome data project in MS
- Pathology of Gray Matter in MS: Cortical Demyelination
- Gray Matter: White Matter Pathology as Primary or Secondary Process in MS
- Standard Imaging Techniques: Application to Patients with MS
- Role of Ultrasound-Based Techniques in MS
- Role of Optic Coherence Tomography in MS
- Role of MRI in Imaging of the Myelin and Axonal Damage in Multiple Sclerosis: Ritz-Carlton Hotel

The main objectives of the afternoon session will be to discuss:

- Basics of immunology in MS
- Correlation of immunology markers to imaging and clinical outcomes in cross-sectional and longitudinal studies
- New concepts with respect to different disease modifying treatments
- Importance of MRI and other instrumental methods in the diagnosis and prognosis of MS
- Outcomes in early treatment decisions
- Outcomes in treatment decisions for relapsing and progressive MS
- New oral agents for treatment of MS
- Most important ongoing clinical trials in MS
- Future guidelines for treatment of MS

New Perspectives in Multiple Sclerosis: Epidemiology, Pathology, Imaging and Treatment Strategies

Name _______________________________________________________
Address _______________________________________________________ City ___________________________ Zip ___________________________
Title __________________________________________________________
Name _________________________________________________________
Specialty ________________________________    MD?  Yes ____ No _____
Phone ___________________________ Fax  _________________________
Exp. Date ______________________________________________________
Name Printed on Card ___________________________
Signature _____________________________________________________
Please mail Registration Form with payment to:
Sterling Meeting Services, Inc.
8275 W. 191st St.
Stilwell, KS 66085
To register by phone:  (913) 897-0165
To register by fax:  (913) 897-0165

REGISTRATION INFORMATION

Events are subject to change without notice. Check website for exact dates.

Registration Deadline: May 7, 2010
Registration Fee: $50.00
Early Registration Deadline: April 15, 2010
Early Registration Fee: $50.00
In the event that the course is cancelled, we will issue a refund within 30 days of your registration.

Accreditation:
The University at Buffalo is accredited by the ACCME to sponsor CME for physicians.

The UB School of Medicine & Biomedical Sciences designates this educational activity for a maximum of 7.0 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit corresponding to the extent of their participation in the activity.

MULTIPLE SCLEROSIS

The main objectives of the morning session will be to discuss:

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- Most relevant genetic risk factors for MS (class I and II HLA genes and other single-nucleotide polymorphisms)
- Whole genome data project in MS
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Teva Neuroscience
Continuing Medical Education Office
State University of New York (SUNY) at Buffalo

TARGET AUDIENCE
Neurologists, multiple sclerosis specialists, neuroradiologists, physicians, residents, medical students, research scholars and pharmaceutical industry representatives.

ACCREDITATION
This program has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Education (ACCE) through joint sponsorship with the University at Buffalo School of Medicine and Biomedical Sciences and the Buffalo Neuroimaging Analysis Center (BNAC).

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AFFILIATIONS
State University of New York (SUNY) at Buffalo, School of Biomedical Sciences.
Continuing Education Office
The Jacobs Neurological Institute
Department of Neurology
SUNY at Buffalo, School of Biomedical Sciences.
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