



6th International Symposium on  
**GAIT & BALANCE IN MULTIPLE SCLEROSIS**  
Sensory contributions

**SEPTEMBER 9TH & 10TH, 2016**

World Trade Center • Portland, Oregon

This conference focuses on how inputs from the visual, vestibular and somatosensory systems influence gait and balance in people with multiple sclerosis (MS). The morning session will examine the contributions of these sensory systems to gait and balance and specifically the impact of each sensory system on people with multiple sclerosis. The afternoon sessions will focus on current evidence-based interventions that use sensory system input to improve mobility and balance in people with MS. In addition, the impact of multimodal sensory inputs provided by virtual reality will be explored.

#### **SYMPOSIUM OBJECTIVES**

After attending this symposium, attendees will be able to:

- Describe the role of sensation in control of balance and gait
- Describe how each sensory system can be modified in the individual with MS
- Describe how interventions that target the sensory systems can impact gait and balance in people with MS
- Select appropriate sensory interventions to improve gait and balance that challenge sensory systems or compensate for impairments in these systems

#### **WHO SHOULD ATTEND**

Multiple sclerosis clinicians or researchers, including:

- physicians (neurologists, physiatrists)
- physical therapists
- occupational therapists
- rehabilitation scientists
- nurses
- physician assistants

**FOR MORE INFORMATION VISIT: [www.ohsubrain.com/msgait](http://www.ohsubrain.com/msgait)**

**OREGON HEALTH & SCIENCE UNIVERSITY**  
OHSU Multiple Sclerosis Center in collaboration with  
VA Portland Health Care System – MS Center of Excellence West



**BRAIN  
Institute**

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**AGENDA - FRIDAY EVENING SEPTEMBER 9, 2016**

6 – 9 pm Poster presentations and reception with opening remarks

Michelle H. Cameron, MD, PT, MCR

*Oregon Health & Science University and VA Portland Health Care System– Portland, OR*

**AGENDA - SATURDAY SEPTEMBER 10, 2016**

8:00 am Registration & continental breakfast

**MORNING SESSIONS**

8:30 am Introduction and welcome

Michelle H. Cameron, MD, PT, MCR

*Oregon Health & Science University and VA  
Portland Health Care System– Portland, OR*

8:45 am Where does sensation fit in the control of  
gait and balance

Michael C. Schubert, PT, PhD

*Johns Hopkins University - Baltimore, MD*

9:35 am Somatosensory contributions to gait and  
posture in MS

Fay B. Horak, PT, PhD

*Oregon Health & Science University and  
VA Portland Health Care System - Portland, OR*

10:25 am BREAK

10:45 am Update on the vestibular contributions to  
gait and balance in MS

Lee Dibble, PT, PhD, ATC

*University of Utah - Salt Lake City, UT*

11:35 am Update on the visual contributions and  
interventions for gait and balance in MS

Julie Ann Nastasi, ScD, OTD, OTR/L, SCLV, FAOTA

*University of Scranton - Scranton, PA*

12:45 pm LUNCH

**AFTERNOON SESSIONS**

1:45 pm Vestibular-based interventions to improve  
gait and balance in MS

Jeffrey R. Hebert, PT, PhD, MSCS

*University of Colorado - Aurora, CO*

2:35 pm Somatosensory augmentation to improve  
gait and balance in MS

Gail L. Widener, PT, PhD

*Samuel Merritt University - Oakland, CA*

Diane D. Allen, PT, PhD

*University of California San Francisco/ San  
Francisco State University - San Francisco, CA*

3:25 pm BREAK

3:45 pm Virtual reality based interventions for  
gait and balance in MS

Yoram Baram, PhD

*Technion, Israel Institute of Technology -  
Haifa, Israel*

4:50 pm Wrap up

Kathleen M. Zackowski, PhD, OTR, MSCS

*Kennedy Krieger Institute and Johns Hopkins  
University - Baltimore, MD*

5:30 pm End of program

**CONFERENCE STEERING COMMITTEE**

Michelle H. Cameron, MD, PT, MCR; Gail L. Widener, PT, PhD; Kathleen M. Zackowski, PhD, OTR, MSCS

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### CALL FOR POSTERS

Please send abstracts on topics related to gait and balance in multiple sclerosis to Gail Widener at [gwidener@samuelmerritt.edu](mailto:gwidener@samuelmerritt.edu) by June 1st, 2016 for review.

**Abstracts must meet the following criteria:**

- A maximum of 300 words
- Title contain a maximum of 150 characters (including spaces)
- Authors names and affiliations must follow the title
- Research abstracts must include the following headings: Background and Purpose, Methods, Results, and Discussion
- Case report abstracts must include the following headings: Background and Purpose, Case Description, Outcomes, and Conclusion

*\* The top five posters from trainees will be selected to receive waived symposium registration.*

### CONTINUING MEDICAL EDUCATION

#### ACCREDITATION

Oregon Health & Science University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

#### PHYSICIAN CREDIT

OHSU School of Medicine, Division of CME, designates this live activity for a maximum of 6.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

*\* All symposium attendees will be provided with a certificate of attendance for hours attended.*

### HOTEL ACCOMODATIONS

Hotel Rose Portland  
50 Southwest Morrison St  
Portland, Oregon 97204-3390

Toll-Free: 866-866-7977  
Local Phone: 503-221-0711

Guests must email [reservations@staypineapple.com](mailto:reservations@staypineapple.com) or call 866.866.7977 and reference "MS Gait & Balance Symposium" at the hotel to receive the group rate

*\*A discounted room rate for a Metropolitan King Room starting at \$199/night plus tax is being provided September 9, 2016 – September 11, 2016. The special rate will be available until August 11, 2016 OR until the group block is sold-out, whichever comes first.*

### REGISTRATION

**\$140 Early registration by July 15th**

**\$170 after July 15, 2016**

**\$75 Student registration**

*\* Physician CME credit memo \$25 extra.*

Registration includes poster reception with hors d'oeuvres and drink, and symposium with continental breakfast and lunch.

Space is limited. To register visit [www.ohsubrain.com/msgait](http://www.ohsubrain.com/msgait)

### CONTACT

For more information visit [www.ohsubrain.com/msgait](http://www.ohsubrain.com/msgait). For questions contact Dawn Christensen at 503 494-7661 or email [chrisdaw@ohsu.edu](mailto:chrisdaw@ohsu.edu)