

# SEMINAR SERIES

Supported by The Department of Biomechanics and  
The Center for Research in Human Movement Variability (MOVCENTR)



## Motor Recovery in Stroke: Current Challenges and Opportunities for Improvement

Featuring Dr. Marco Gonzalez Castellon  
University of Nebraska Medical Center



Friday, Feb. 2 | 10:00 am – 11:00 am | BRB 167

### PRESENTATION ABSTRACT

Stroke survivors face multiple challenges in their road to recovery. Stroke survivors, depending on stroke location and size, can develop chronic motor, cognitive, and sensory deficits. Motor recovery in stroke is non-linear and recovery is through a complex interaction between spontaneous recovery and learned processes. Targeted therapies can improve recovery and enhance reintegration to society. In this seminar, we will review basic stroke mechanism concepts and will discuss opportunities for collaboration.

### ABOUT DR. GONZALEZ CASTELLON

Dr. Marco A. Gonzalez-Castellon is an Associate Professor in the Department of Neurological Sciences at the University of Nebraska Medical Center and is the program director for the Vascular Neurology Fellowship Program. He is board-certified in Neurology and Vascular Neurology by the American Board of Psychiatry and Neurology and is a member of the American Academy of Neurology, American Heart Association and the American College of Physicians. A native of Panama City, Panama Dr. Gonzalez-Castellon graduated from the University of Panama School of Medicine in 2000. He completed an Internal Medicine residency in Panama City before moving to the United States. He completed his Neurology Residency and Vascular Neurology Fellowship at the New York – Presbyterian Hospital / Columbia University Medical Center in New York City. Dr. Gonzalez-Castellon research interests includes secondary stroke prevention and recovery. He is currently the site PI for several NIH sponsored research trials including SATURN, ASPIRE, and CAPTIVA.

more info at [cobre.unomaha.edu](http://cobre.unomaha.edu)

\*This seminar was supported by the National Institutes of General Medical Sciences of the National Institutes of Health under Award Number P20GM109090 Center for Research in Human Movement Variability. | The University of Nebraska at Omaha shall not discriminate based upon age, race, ethnicity, color, national origin, gender identity, sex, pregnancy, disability, sexual orientation, genetic information, veteran's status, marital status, religion, or political affiliation.

UNIVERSITY OF  
**Nebraska**  
Omaha

