

SEMINAR SERIES

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



MOVING IN TIME: FROM SENSORIMOTOR SYNCHRONIZATION TO LOCOMOTOR CONTROL AND SOCIAL MOTOR COORDINATION

Featuring Dr. Vivien Marmelat
University of Nebraska at Omaha



January 31, 2020 | 12:00 - 1:15 pm | BRB 167
Parking Available in Lot T

PRESENTATION ABSTRACT

How do we 'keep a rhythm'? How does interacting with someone else changes our own movements? How does gait and cognition change over time in people with Parkinson's disease?

This talk will focus on the results emerging from my research team in the past four years. Topics will range from fundamental cognitive & behavioral neuroscience questions to translational research through the lens of complexity theory and social motor coordination.

ABOUT DR. MARMELAT

Dr. Vivien Marmelat is an assistant professor in the Department of Biomechanics at the University of Nebraska at Omaha. Dr. Marmelat received his PhD in Human Movement Science from the VU University Amsterdam (Netherlands) and from Montpellier University (France) in 2014. His research explores 1) the effect of auditory rhythms on brain activity and movement rhythmicity; 2) the neuromechanisms underlying locomotor control, and the effect of attention on gait, in particular in people with Parkinson's disease; and 3) the effect of inter-personal coordination on brain and movement dynamics.

more info at 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

