

The 2012-2013  
Institute of Gerontology  
Colloquium/Professional Development Series presents:

# Dynamics of Control: Negotiating between Maintenance and Updating

**Ulrich Mayr, PhD**

Lewis Professor of Psychology  
University of Oregon  
Eugene, Oregon

**WHEN:** Tuesday February 19, 2013, 9:30 am - 10:30 am  
**WHERE:** 71 E. Ferry St. (Freer House, next door to IOG)  
2<sup>nd</sup> floor, Hoobler Room

This presentation focuses on recent research in cognitive neuroscience focused on memory, executive control of memory and the aging brain. Using results from several paradigms, Dr. Mayr will show that "local" control phenomena such as mental task-switching costs can be dramatically altered by the global control context of the brain. He will argue that such global influences often reflect context-specific or individual-specific variations in the tendency to either maintain or update the current working memory focus. Consideration of such maintenance-updating dynamics leads to new insights about the effect of interruptions and of adult age differences in cognitive control situations.

For more information on Dr. Mayr's research see:

<http://psychweb.uoregon.edu/people/mayr-ulrich>

[http://www.eurekalert.org/pub\\_releases/2011-11/uoo-rfr111011.php](http://www.eurekalert.org/pub_releases/2011-11/uoo-rfr111011.php)

*Presented courtesy of the Mary Thompson Foundation*