Southwest Center for Mind, Brain and Education

SPRING 2016 SPEAKERS SERIES
presents

Dr. Janet M. Dubinsky, Ph.D.
Professor of Neuroscience, University of Minnesota

Neuroscience for Educators:
How does Understanding the Neurobiology
of Learning Impact Classrooms?

Over the past 50 years, neuroscientists have uncovered the biological processes that make learning possible. Surprisingly, while the mechanisms that support learning at a cellular level within the brain are commonplace knowledge among scientists, the idea that synapses change during learning has not penetrated deeply into the educational community.

BrainU, an in depth teacher professional development workshop, was designed to teach educators about the neurobiology of learning. The workshop provides teachers with educational experiences appropriate for their classrooms (www.brainu.org) that cover basic neuroscience concepts using active learning and inquiry strategies. This seminar will summarize the relevant neurobiology of learning, report on classroom and teacher outcomes from participating BrainU teachers, and open a discussion of how to further apply and examine the impact of neuroscience knowledge on educational practices.

Monday, March 21, 2016 5 – 6:30 pm
University Club (Lower Level of Davis Hall)

Dr. Janet M Dubinsky, Professor of Neuroscience at the University of Minnesota (UMN), directs the BrainU professional development program for secondary science teachers, www.brainu.org, and teaches graduate and undergraduate neuroscience.

Winner of the 2009 Society for Neuroscience Science Educator Award, she serves on the Society’s Public Education and Communication Committee. In 2008, she co-chaired the Minnesota P-16 Education Partnership Science Postsecondary and Workforce Readiness Working Group, aligning K-12 Science Standards with expectations of the workforce and higher education.

Her research program investigates metabolic compromise in neurodegenerative disease. She chairs the UMN Neuroscience Outreach Committee which runs the Brain Awareness Week and Minnesota Brain Bee. Her pedagogical publications range from addressing the need for both pre-service and in-service teacher training in neuroscience, http://edr.sagepub.com/content/42/6/317.abstract to examining the role of scientist classroom visits http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0084035.

PLEASE RSVP BY WEDNESDAY, MARCH 16 to: COEdevents@uta.edu

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