The Neuroscience of Major Depression: Focus on Anhedonia

- **Environmental factors**
- **Depression**
- **Biological vulnerability**
  - Decreased reward encoding/learning
    - ↓ OFC, ↓ ventral/dorsal striatum
  - Exaggerated stress responsiveness
    - ↓ medial PFC, ↓ hippocampus, ↑ amygdala
- **Acute stress** → ↑ PFC DA
- **Chronic stress:** downregulation
- **Blunted mesolimbic DA pathways**
  - ↓ DA

Diego A. Pizzagalli, Ph.D.
Director, Center for Depression, Anxiety and Stress Research
Director, McLean Imaging Center
Director, Laboratory for Affective and Translational Neuroscience
Professor of Psychiatry
Harvard Medical School

4:10 p.m., Wednesday, October 18, 2017
1220 Medical Research Building III

For more information, contact Elizabeth Turner at 322-8240
braininstitute.vanderbilt.edu

Hosted by Dr. Judy Garber and Dr. Steve Hollon