

# MidBrains 2008 - Presentation Schedule

Presentations will be 12 minutes, followed by 3 minutes for questions.

## Room: Olin-Rice 301

- 1:30-1:45**      **Teased-fiber electrophysiological characterization of isolated plantar nerve fibers responsive to *Mucuna pruriens* induced pruritus.** Nick Murray & Danielle Gergen, *Gustavus Adolphus College*.
- 1:50-2:05**      **Photoperiod alters the phase difference between activity onset in vivo and mPer2::*Luc* peak in vitro.** Carl Mickman, *University of St. Thomas*.
- 2:10-2:25**      **Endogenous circadian rhythmicity of the clock gene mPer2 in the mouse adrenal as measured by real-time reporting of mPer2::*Luc* expression in vitro.** Daryl Holloway, Katherine Motz, Dominique Simonton & Tyler Smith, *University of St. Thomas*.
- 2:30-2:45**      **The effects of the  $\alpha 4\beta 2$  nicotinic receptor modulator Morantel on REM sleep.** Ali Titiz, *Grinnell College*.

## Room: Olin-Rice 352

- 1:30-1:45**      **Interaction of corticotropin-releasing factor and Neuropeptide Y in the regulation of anxiety in rats.** Maria Prom, *Carleton College*.
- 1:50-2:05**      **A test of gestalt processing in Cotton-top Tamarins (*Saguinus oedipus*).** Katherine M. Whillock, *Carleton College*.
- 2:10-2:25**      **Semantic priming during binocular suppression.** Kristine McGlennen & Brandon Baartman, *Gustavus Adolphus College*.
- 2:30-2:45**      **Inhibitory processing vs. spreading activation: Testing two theories of bilingualism.** Laura Hittle, *Macalester College*.

# MidBrains 2008 - Poster Session

All poster presenters should be at their posters from 4:00-4:30pm and for an additional 15 minutes according to the following schedule:

Schedule A 4:30-4:45  
 Schedule B 4:45-5:00  
 Schedule C 5:00-5:15  
 Schedule D 5:15-5:30

## Position-Schedule & Title

- 1-A **Transitive inference without awareness or associative value.** Matthew Marsh, *University of Wisconsin-Milwaukee.*
- 2-B **Evaluating the impact of spatial frequencies on the perception of gender.** Jake Kurczek & Matt Rocklage, *St. Olaf College.*
- 3-C **Perceptual adaptation aftereffects in cross-race gender identification.** Matt Rocklage & Jake Kurczek, *St. Olaf College.*
- 4-D **Music cognition: Spatial temporal ability and the Mozart Effect.** Lisa Norback, *Macalester College.*
- 5-A **Effects of sibutramine and rimonabant in rats trained to discriminate 22 from 2 hours food deprivation.** Catherine R. Filtz, Andrew R. Dunbar, & Victoria L. Raber, *University of Wisconsin-Eau Claire.*
- 6-B **Examining the effects of maternal deprivation on the eating behavior of the adolescent rat given the extrinsic stimulus of a predominantly illuminated feeding environment.** Holden Clauson, Americo Abrego, Allison Johnson & Lauren Kortsha, *University of St. Thomas.*
- 7-C **Dr. Bacteria: The science fiction author hidden within Santiago Ramon y Cajal.** Allison Johnson, *University of St. Thomas.*
- 8-D **I am a robot; or, hacking the machine in my head.** Tony Carr, *Macalester College.*
- 9-A **Brain Awareness Week: Capstone teaching experience.** Danielle Gergen, Steve Howard, Kristine McGlennen & Chris Stark, *Gustavus Adolphus College.*
- 10-B **Neuroscience Awareness and Outreach.** Beth Huggins, Rachel Kneeland, Jeffrey Teoh & Ellen Wann, *St. Olaf College.*

- 11-C **Anxiety sensitivity and cortisol measurements before and after examination.** Kelsey Young, Travis Grahek, Merrick Mitchell, Alyssa Hageman & Spencer Grant, *University of St. Thomas*.
- 12-D **Endogenous circadian rhythmicity of the clock gene mPer2 in the mouse adrenal as measured by real-time reporting of mPer2::Luc expression in vitro.** Daryl Holloway, Katherine Motz, Dominique Simonton & Tyler Smith, *University of St. Thomas*.
- 13-A **The effects of the  $\alpha 4\beta 2$  nicotinic receptor modulator Morantel on REM sleep.** Ali Titiz, *Grinnell College*.
- 14-B **Mental imagery-induced strength gains.** Jacob Meyer, *St. Olaf College*.
- 15-C **Future directions for the study of endocannabinoid signaling mechanisms at the vertebrate neuromuscular junction.** Zachary Newman, *Grinnell College*.
- 16-D **Localization of M1-M3 (muscarinic) acetylcholine receptors and Cox-2 enzyme at the lizard neuromuscular junction.** Kathryn Battani, *Grinnell College*.
- 17-A **VIVIT peptide attenuates pro-inflammatory proteins and activated microglia and astrocyte levels in a murine model of brain inflammation.** Stephen Howard, *Gustavus Adolphus College*.
- 18-B **Response of earthworm CNS to central and peripheral injury,** Patrick Nelson, *St. Olaf College*.
- 19-C **Wood Betony shows anxiolytic properties in the staircase test.** Colin James Smith, *Macalester College*.
- 20-D **Opioid-induced motivation in the nucleus accumbens shell: Dopamine dependent reward integration or dopamine independent anomaly?** Joseph Barter, *Macalester College*.
- 21-A **In vivo assessment of dopamine transporter activity in adult mice.** Karen Thiebes, *St. Olaf College*.
- 22-B **Affect, cortisol, and pain threshold.** Megan David, Katelynn McConnell & Sarah Wozniak, *University of St. Thomas*.
- 23-C **The effects of Jasmine on nociception.** Ryan Palmer, *Macalester College*
- 24-D **ASIC3 and P2X involvement in ischemic pain sensation.** Brandon Baartmen, *Gustavus Adolphus College*.

- 25-A **Simulated hearing loss in college students influence the perception of vowels in context.** Amy Veerkamp, *Gustavus Adolphus College*.
- 26-B **Auditory characterization of *Periplaneta americana*.** Asitha Jayawardena, *Gustavus Adolphus College*.
- 27-C **The development of alcohol sensitization and tolerance is different for adolescent and adult mice.** Bradley Wagenaar, Shannon Thornblad & Patrick Luithly, *St. Olaf College*.
- 28-D **Dose-dependent ethanol-induced conditioned place preference in adolescent mice.** Sarah Kashawny, *St. Olaf College*.
- 29-A **Laterality in motor preference, spatial attention, and auditory processing.** Emily K. Love, *College of St. Catherine*.
- 30-B **Perceptions of binaural auditory continuity.** Jim Clinton & Peter Bowling, *Augustana College*.
- 31-C **Between-channel gap detection: Effects of stimulus properties, sex, and listener experience.** Peter Bowling & Jim Clinton, *Augustana College*.
- 32-D **Perspectives on personal identity: Autism and the narrative self-constitution theory.** Rebecca J. Godar, *Macalester College*