

**The 23rd Annual Tri-State+ Conference on
Animal Learning & Behavior (April 9-10, 2010)**

**Hosts: Department of Psychological and Brain Sciences
& the Program in Animal Behavior
Center for the Integrative Study of Animal Behavior
402 S. Park, 855-9663**

Friday, April 9

Session I: Drugs, Learning, and Behavior
(William Timberlake, Moderator)

- 1:55 pm Opening remarks, William Timberlake
- 2:00 – 2:15pm Pre- and post-nicotine circadian activity episodes are differentially affected by pharmacological treatments for drug addiction.
Andrea Gillman (Indiana University Bloomington)
- 2:15 – 2:30pm Effects of interaction between physiological stress and corticosterone on behavior.
David Turner & Ilsun White (Morehead State University)
- 2:30 – 2:45pm Dopamine antagonists block indices of acute withdrawal from amphetamine.
Ronald Patane & Wesley White (Morehead State University)
- 2:45 – 3:00 pm Scopolamine dissociates cognitive processes responsible for phrasing effects versus violation element performance in rats: A deeper look.
Amber M. Chenoweth & Stephen B. Fountain (Kent State University)
- 3:00 – 3:15 pm Effects of pre-exposure to an intragastric or intraduodenal denatonium US on flavor discrimination learning.
Jay Horton (Purdue University)
- 3:15 – 3:30 pm Effects of adolescent nicotine exposure on serial pattern learning in adult male and female rats.
Kristen L. Kolar (Kent State University), Elizabeth P. Soehngen (Kent State University), Colleen Trhlik (Kent State University), Laura R. G. Pickens (Kent State University), James D. Rowan (Wesleyan College), Rick A. Bevins (University of Nebraska Lincoln) & Stephen B. Fountain (Kent State University)

Friday, April 9
Location: CISAB

3:30 – 4:00 Break

Session II: Cognition and Association

(Jacky Emmerton, Moderator)

- 4:00 – 4:15 pm Concurrent object learning in rats using a transitive inference paradigm.
Diana Klimas (Bowling Green State University)
- 4:15 – 4:30 pm Pigeons prefer information over its absence.
Jessica P. Stagner & Thomas R. Zentall (University of Kentucky)
- 4:30– 4:55pm Two Studies of the effect of array location stability and object variability on rats’ visual-spatial working memory
A. Marium Arain
B. Joe Barkho
- 4:55 – 5:10 pm Integration of an egocentric route and landmarks in spatial navigation.
Carolina Tamara (Indiana University)
- 5:10– 5:30 pm In search of a viable distinction between cognition and “mere association.”
Cameron Buckner (Indiana University Bloomington)

(If you haven’t checked into the Motel: Now is the time to do it.)

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7:00 – 9:00 pm Dinner at CISAB (402 S. Park St), (812) 855-9663
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**Saturday, April 10**

**Location: CISAB**

**Session III: Complex Learning**

Session III – Jerry Cohen, Moderator

- 9:00 – 9:15 am      Memories of reward and nonreward regulate the extinction and reacquisition of both excitatory and inhibitory associations.  
*Meaghan Altman (Purdue University)*
- 9:15 – 9:30 am      Causal inference in rats: A brief report from the front.  
*Robert Bowers (Indiana University)*
- 9:30 – 9:45 am      Pigeons' acquisition of a simultaneous-discrimination midsession reversal.  
*Rebecca M. Rayburn-Reeves & Thomas R. Zentall, (University of Kentucky)*
- 9:45 – 10:00 am     Serial pattern learning: Interleaved pattern transfer.  
*Colleen Trhlik, Karen E. Doyle, & Stephen B. Fountain (Kent State University)*
- 10:00 – 10:15am     Can context serve as a mediator to establish a sample-comparison association in matching-to-sample by pigeons and humans.  
*Jennifer Laude, Holly C. Miller & Thomas R. Zentall (University of Kentucky)*
- 10:15 – 10:30 am     Serial pattern learning in rats: Rule induction and pattern tracking in patterns containing predictable or random interleaved elements  
*Karen E. Doyle & Stephen B. Fountain (Kent State University)*

**Break 10:30 – 11:00 am**

**Saturday, April 10**

**Location: CISAB**

**Session IV: Learning and Motivational Contexts (Friday)**

(Thomas Zentall, Moderator)

- 11:00 – 11:15 am Cat marks (rubblings) produce persisting defensive behavior in naïve domestic Sprague-Dawley rats.  
*Matthew May & William Timberlake (Indiana University)*
- 11:15 – 11:30 am Intentional behavior in dog-human communication.  
*Alejandra Rossi (Indiana University, Bloomington)*
- 11:30 – 11:45 am Are pigeons susceptible to the Concord effect?  
*Kristina L. Pattison, Holly C. Miller & Thomas R. Zentall (University of Kentucky)*
- 11:45 – 12:00 pm Selectively bred high alcohol-preferring mice show poor response inhibition during fixed interval reinforcement.  
*Nicholas Grahame & Devon Novotney (IUPUI)*
- 12:00 – 12:15 pm Social learning in guppies  
*Gregory Kohn (Indiana University)*
- 12:15 – 12:35 pm If rats were apples  
*Adam Bogart & David C. Riccio (Kent State University)*
- 12:35 pm – Closing remarks, Bill Timberlake

Attendees not mentioned above:

*Kent State:* Devin Fava

*Purdue University:* John Capaldi, Peter Urcuioli

*IUPUI:* Greg Fetterman

*Northern Kentucky University:* David Hogan

*Albion College:* Christopher Scott, Samarth Bhandari, Kathryn Levasseur  
Jeff Wilson