



TriState(Plus) Conference on Animal Learning and Behavior

May 3-4, 2019

Host: Oakland University

Welcome to Oakland University! OU is a public university that spans across the cities Auburn Hills and Rochester Hills in southeast Michigan. It was founded in 1947 as a satellite school of Michigan State University, through a donation made by the heiress of the Dodge family, Matilda Dodge Wilson (widow of John F. Dodge), and her second husband, Alfred Wilson. Their home, Meadowbrook Estate, is still a focal point of the campus. The MSU-Oakland satellite campus became Oakland University in 1963, and today it serves over 19,000 students in 142 undergraduate and 138 graduate degree programs.

The Psychology Department is thrilled to welcome participants from Kentucky, Ohio, Ontario, and Michigan, to the Tri-State(Plus) Conference on Animal Learning and Behavior. The meeting is intended to provide intellectual stimulation, as well as plenty of opportunities to socialize and network with other researchers.

This meeting is possible thanks to generous support from the Oakland University Provost Office and the Division of Academic Affairs, the College of Arts and Sciences, and the Psychology Department. Special thanks are due to Todd Shackelford (Chair, Psychology Department) for helping secure funding for the conference, and Stephanie Lee (Administrative Assistant to the Provost) for assistance with securing housing accommodations.

Martha Escobar
Associate Professor of Psychology

Program

Friday, May 3 – Human Health Building (HHB) 4043

- 1:30-2:00 pm – Arrival and registration
- 2:00-2:15 pm – Opening comments
- 2:15-3:30 pm – Paper session I
- 3:30-3:45 pm – Break
- 3:45-5:00 pm – Paper session II
- 5:00-6:00 pm – Group photo and check into rooms
- 6:00-7:00 pm – Keynote speaker: Jennifer Vonk (dinner will be available)
- 7:00-? pm – Friday night entertainment on your own (The Hub Stadium)

Saturday, May 4 – Mathematics and Science Center (MSC) 124

- 8:00-8:30 am – Check out of rooms
- 8:30-9:00 am – Continental breakfast
- 9:00-10:30 am – Paper session III
- 10:30-10:45 am – Break
- 10:45-12:30 pm – Paper session IV
- 12:30-12:35 pm – Closing remarks

DETAILED PROGRAM

All presentations are scheduled to be approx. 12 min with a 3 min question period.

Friday, May 3

2:15-3:30 pm – Paper Session I

Moderator: Jerry Cohen

- 2:15 pm Lily Johnson-Ulrich (Michigan State University). Social complexity affects inhibitory control in spotted hyenas.
- 2:30 pm Jared Edge (Oakland University). Insight in the common raven as measured by the string-pulling task.
- 2:45 pm Claire C. Jackman, Katherine H. Dyer, Jessica L. Sharp, and Stephen B. Fountain (Kent State University). Sex differences and scopolamine effects in rat serial pattern learning and retention.
- 3:00 pm Dalton House, Daniel Peng, and Thomas Zentall (University of Kentucky). Pigeons have difficulty discriminating magnitude of reinforcement.
- 3:15 pm Suzie Eren (University of Windsor). Methodological issues in studying SRT performance in Rats in our improved circular 9-choice SRT task.

3:30-3:45 pm – Break

3:45-5:00 pm – Paper Session II

Moderator: Jessica Sharp

- 3:45 pm Anne Sullivan (Oakland University). Follow my lead: Mimicry in domestic dogs.
- 4:00 pm Jacob Dowell, Eriel Datuin, and Martha Escobar (Oakland University). Pharmacological intervention improves spatial memory following

early moderate prenatal exposure to alcohol.

- 4:15 pm Alexis Hart, Zac Reynolds, and Sandra Troxell-Smith (Oakland University). Sharks in captivity: Utilizing habitat use and behavior as an assessment of animal welfare.
- 4:30 pm Jessica L. Sharp, Katherine H. Dyer, Claire C. Jackman, and Stephen B. Fountain (Kent State University). Interference differentially impairs retention in serial pattern learning.
- 4:45 pm Jessica Leete and Jennifer Vonk (Oakland University). Evaluating prosocial and spiteful tendencies towards social and non-social partners using a symbolic prosocial choice task with neotropical (Ara) macaws.

5:00-6:00 pm – Group photo and check into rooms (Oak View Hall)

**6:00-7:00 pm – Keynote speaker
Jennifer Vonk (Oakland University).
Zoo's Clues: Welfare Assessments reveal
Cognitive Processes in Zoo Animals
(An informal dinner will be provided)**

Saturday, May 4

8:30-9:00 am – Continental Breakfast

9:00-10:15 am – Paper Session III

Moderator: Thomas Zentall

- 9:00 am Mathew Gagnon (University of Windsor). Spontaneous (implicit) and acquired working memory in wild mice: Novel object recognition meets food searching behavior.
- 9:15 am Daniel Peng, Dalton House, & Thomas Zentall (University of Kentucky). Procrastination in the pigeon: Can conditioned reinforcement increase the likelihood of procrastination?

- 9:30 am Jerry Cohen (University of Windsor). Re-examination of the interpretation of SRT performance by rats in our earlier horizontally-arranged SRT task.
- 9:45 am Katherine H. Dyer, Claire C. Jackman, Jessica L. Sharp, and Stephen B. Fountain (Kent State University). Serial pattern acquisition and effects of central cholinergic challenge in a touchscreen task for rats.
- 10:00 am Jordyn Truax, Amity Jordan, and Jennifer Vonk (Oakland University). The Sound of silence: Auditory preferences in gorillas.
- 10:15 am Andrei Nicolae (University of Windsor). Examining change in working memory in wild and transgenic mice.

10:30-10:45 am – Break

**10:45 am-12:15 pm – Paper Session IV
Moderator: Jennifer Vonk**

- 10:45 am Jennifer Lieb and Jennifer Vonk (Oakland University). Kitten the nail on the head: Do cats learn patterns in a whack-a-mole paradigm?
- 11:00 am Zebulon K. Bell, Bradley R. Sturz, and Martha Escobar (Oakland University). Illusory spatial boundaries and distance estimation in rats.
- 11:15 am Jacob Pappas, Taryn Eaton, and Jennifer Vonk (Oakland University). Are quilled animals sharper than bear-cats? Behavioral flexibility in porcupines and binturongs.
- 11:45 am Audrey Robeson, Laina Townsend, and Jennifer Vonk (Oakland University). Children with autism are more selectively prosocial than nonhuman apes in the same task but not prosocial overall.
- 11:45 am Thomas Zentall (University of Kentucky). A pigeon model of human gambling behavior.

Travel Information

Building addresses and GPS coordinates:

HHB – 433 Meadow Brook Rd, Rochester, MI 48309
<https://goo.gl/maps/iMioaKgweVK7cgQd6>
 Latitude: 42.676064 | Longitude: -83.195275
 Parking Lot #3 (see attached map)

MSC – 146 Library Ct, Rochester, MI 48309
<https://goo.gl/maps/jdw6zJKZAsGF91E28>
 Parking Lot #36 (see attached map)

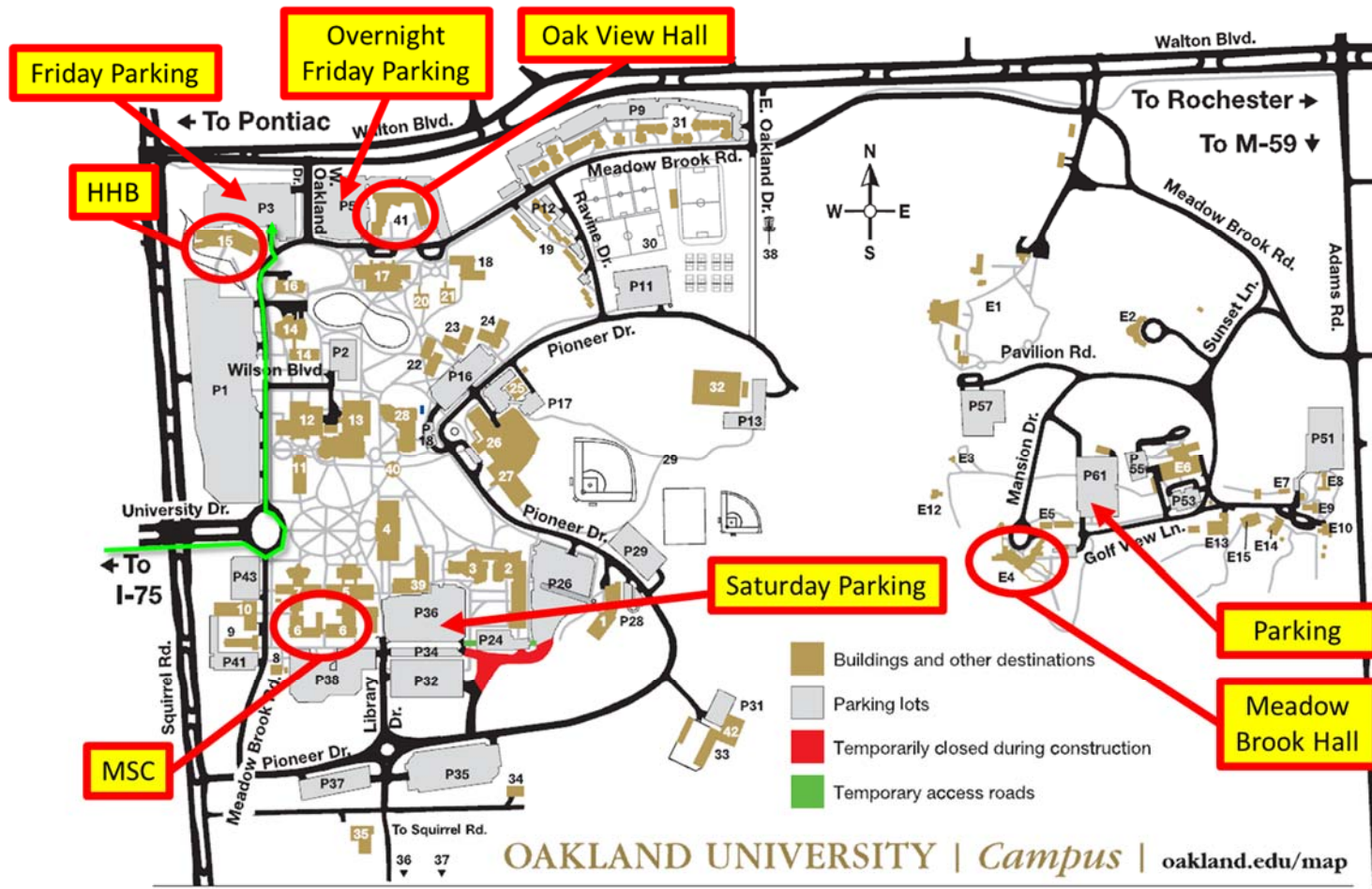
Oak View Hall -- 509 Meadowbrook Dr., Rochester, MI 48309
<https://goo.gl/maps/YMyPwP8s9ZLnYo2aA>
 Parking Lot #5 (see attached map)
 For information on accommodations, take an online [Tour of Oak View Hall](#)

The Hub Stadium – 2550 Innovation Dr, Auburn Hills, MI 48326
<https://goo.gl/maps/eydvke179icQRd9E7>
 A local favorite, the Hub is a bar with available activities such as bombowling and axe throwing (www.thehubstadium.com)

Other Information

If your travel schedule permits, we strongly recommend that you visit the Meadowbrook mansion. Tours are available Friday at 11:00 am and Saturday at 1:00 and 2:00 pm, and last about 1 h.

Meadowbrook Hall – 350 Estate Drive, Rochester, MI 48309
<https://goo.gl/maps/TXqyaEonPujQJYxo6>
 Parking on site (see attached map)
 For more information on Meadowbrook Hall, visit <https://meadowbrookhall.org/tours/>



From I-75 North. Take Exit 79 (University Drive) and drive straight to the main entrance to Oakland University. When entering campus, take the second exit at the traffic circle and go straight past the large parking lot to P3 (see route highlighted in green in the map). P3 will be the first left after passing the first building on the left (Human Health Building – HHB).

From M-59 East or West, take Exit 41B (North Squirrel Road) and stay on Squirrel Road until you find the main entrance to Oakland University on your right, then follow the route highlighted in green in the map.