

2024 TCRB Program

- 8:00 - 8:45 AM **Registration and Poster Set-up**
Coffee & tea provided
- 8:45 - 9:00 AM **Welcome**
- 9:00 - 10:00 AM **Keynote Address: 2nd Phyllis C. Leppert Lecture in Reproductive Biology**
Indrani Bagchi, Ph.D., Billie Field Professor of Reproductive Biology, Dept. of Comparative Biosciences, University of Illinois Urbana-Champaign College of Veterinary Medicine. *"Cellular mechanisms controlling maternal-fetal interface"*
- 10:00 - 11:00 AM **Oral Presentations** (Selected from trainee abstracts)
- 10:00 AM Ryan Marquardt, Ph.D., National Institute of Environmental Health Sciences
"Serum Response Factor controls the uterine inflammatory environment during early pregnancy"
- 10:15 AM Magdalena Cummings, North Carolina State University
"TET2 and TET3 Methylcytosine Dioxygenases are required for blastocyst implantation and endometrial decidualization"
- 10:30 AM Martin Estermann, Ph.D., National Institute of Environmental Health Sciences
"Glucose metabolism as a driver for embryonic Sertoli cell differentiation"
- 10:45 AM Sharon Zheng, University of Virginia
"TMC5-CIB1 complex at the spermatid plasma membrane is essential for spermiogenesis"
- 11:00 - 12:15 PM **Poster Session #1** (Odd-numbered abstracts)
- 12:15 - 1:15 PM Lunch
- 1:15 - 2:30 PM **Poster Session #2** (Even-numbered abstracts)
- 2:30 - 3:00 PM **Oral Presentations** (Selected from trainee abstracts)
- 2:30 PM Lenka Radonova, Ph.D., National Institute of Environmental Health Sciences
"Mitochondria-endoplasmic reticulum domains in Ca²⁺ signaling at fertilization"
- 2:45 PM Ayla Weiss, Duke University
"Vaping and pregnancy: Determining effects of e-cigarettes on trophoblast cell gene expression"
- 3:00 - 4:30 PM **Regional Speakers**
- 3:00 PM Carlos (Charly) Guardia, Ph.D., National Institute of Environmental Health Sciences
"Placenta-specific autophagy"
- 3:30 PM Pavla Brachova, Ph.D., Eastern Virginia Medical School
"Direct RNA sequencing maps the complexity of the mouse cumulus oocyte transcriptome"
- 4:00 PM Cameron Schmidt, Ph.D., East Carolina University
"The complexity of sperm capacitation: Experimental and computational insights"
- 4:30 - 4:45 PM **Closing, Presentation of Awards**
- 5:00 PM **Happy Hour**
The College Grill at Mitch's Tavern (2426 Hillsborough St, Raleigh, NC 27607)