

6th Workshop

Urogenital Apparatus: Pathophysiology and Specialized Experimental Approaches

April 19th-21th, 2018

Will be held at the University of Tlaxcala, Tlaxcala City

Organizers

Yolanda Cruz Gómez¹, Margot S. Damaser², María E.¹ Hernández, Álvaro Muñoz⁴

¹Centro Tlaxcala de Biología de la Conducta, Universidad Autónoma de Tlaxcala. Tlaxcala, México.

²Department of Biomedical Engineering, Cleveland Clinic. Cleveland, OH, USA.

³Centro de Investigaciones Cerebrales, Universidad Veracruzana, Xalapa, Veracruz, México

⁴Profesor Visitante del Instituto de Neurociencias Translacionales, Universidad de Guadalajara, Guadalajara, Jalisco, México.

Local Committee

Daniel Medina Aguiñaga
Dora Luz Corona Quintanilla
Margarita Juárez Romero
Carlos Pérez Martínez
René Zempoalteca Ramírez



Aim

The essential purpose of this workshop is to share preclinical, clinical and technological knowledge to all those interested in the anatomy, physiology and pathology of the genitourinary tract. Lectures and moderated poster sessions will address issues related to the lower urinary tract, reproduction and specialized laboratory and clinical techniques.

Speakers

Brenda Anguiano Serrano, Ph. D. Universidad Nacional Autónoma de México
Yolanda Cruz Gómez, Ph. D. Universidad Autónoma de Tlaxcala
Margot S. Damaser, Ph. D. Department of Biomedical Engineering, Cleveland Clinic
María E. Hernández, Ph. D. Universidad Veracruzana
Álvaro Muñoz Toscano, Ph. D. Visiting Professor, Universidad de Guadalajara
Pablo Pacheco Cabrera, Ph. D. Universidad Nacional Autónoma de México
Carlos Pérez Martínez, MD. Centro de Urología Avanzada
Yingchung Zhang, Ph. D. University of Houston
Karl-Dietrich Sievert, Ph. D. University of Rostock Urology Clinic
Angélica Trujillo Hernández, Ph. D. Benemérita Universidad Autónoma de Puebla
Michael J. Wilson, Ph. D. University of Minnesota

Program

April 19th

9:00-10:00 Registration

10:00-10:30 Opening Ceremony

Session I

10:30-11:15 Effect of penile cancer to the lower urinary tract
Karl-Dietrich Sievert

11:25-12:10 Neuroendocrinology of the prostate
Ma. Elena Hernández

12:20- 12:30 Coffee Break

12:30-13:15 Personalized therapy in prostate cancer
Michael J. Wilson

13:25-14:25 Lunch Break

14:25-15:10 Inflammation as a component of prostate diseases
Brenda Anguiano Serrano

15:20-16:05 Altered purinergic signaling and prostatic hyperplasia in mature rats
Álvaro Muñoz Toscano

16:15 -16:30 Questions to speakers

16:30-18:30 Poster Session I.

April 20th

Session II

9:30-10:15 Hemi-ovariectomy: a tool to understand the functional relationship between the ovary and the central nervous system
Angélica Trujillo Hernández

10:25-11:10 Neuromodulation of the LUT
Carlos Pérez Martínez

11:20-13:45 Lunch Break. The delegates are invited to the lecture: RNA and the origin of life, by Antonio Lazcano Araujo, Ph. D. at CCU auditorium.

13:45-14:30 Biochemistry and Biomechanics of Pelvic Organ Prolapse
Margot S. Damaser

14:30-15:20 Differential damage of striated urethral sphincter and pelvic musculature in a rat model of vaginal distension
Yolanda Cruz

15:30-15:45 Questions to speakers

15:45-18:00 Poster Session II.

April 21th

Session III

- 9:30-10:15 Research Ethic
Margot S. Damaser
- 10:25-11:10 Electrophysiological responses of nerves innervating the pelvic area
Pablo Pacheco Cabrera
- 11:20-11:30 Coffee break
- 11:30-12:15 Emerging techniques in truly minimal-invasive treatment options of benign prostatic obstruction
Karl-Dietrich Sievert
- 12:25-13:10 Specify the origins of pelvic muscle dysfunctions using a neural engineering approach for individualizing treatment
Yingchun Zhang
- 13:20-13:35 Questions to speakers
- 13:35-14:35 Lunch Break
- 14:35-15:35 Neurourology: lesson from laboratory animals
Yolanda Cruz Gómez
- 15:45-17:45 Poster Session III.
- 17:45-18:15 Workshop Poster Award Session
- 18:15-19:00 Workshop closing and final notes (organizers)