

6<sup>th</sup> Workshop



## Urogenital Apparatus: Pathophysiology and Specialized Experimental Approaches



April 19<sup>th</sup>-21<sup>th</sup>, Tlaxcala, Tlax., México

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# 6<sup>th</sup> Workshop

## Urogenital Apparatus: Pathophysiology and Specialized Experimental Approaches

April 19<sup>th</sup>-21<sup>th</sup>, 2018

Will be held at the University of Tlaxcala, Tlaxcala City

### *Organizers*

**Yolanda Cruz Gómez<sup>1</sup>, Margot S. Damaser<sup>2</sup>, María E.<sup>1</sup> Hernández, Álvaro Muñoz<sup>4</sup>**

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<sup>4</sup>Profesor Visitante del Instituto de Neurociencias Translacionales, Universidad de Guadalajara, Guadalajara, Jalisco, México.

### *Local Committee*

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



## **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. Universidad de Guadalajara  
Pablo Pacheco Cabrera, Ph. D. Universidad Nacional Autónoma de México  
Carlos Pérez Martínez, MD. Centro de Urología Avanzada  
José Raúl Pérez Ortega. Sociedad Mexicana de Urología  
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  
Yingchung Zhang, Ph. D. University of Houston

## **Program**

**April 19<sup>th</sup>**

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 Overactive bladder: state of the art  
José Raúl Pérez Ortega

12:20- 12:30 Coffee Break

12:30-13:15 Neuroendocrinology of the prostate  
Ma. Elena Hernández

13:25-14:25 Lunch Break

14:25-15:10 Personalized therapy in prostate cancer  
Michael J. Wilson

15:20-16:05 Inflammation as a component of prostate diseases  
Brenda Anguiano Serrano

16:15 -16:30 Questions to speakers

16:30-18:30 Poster Session I.

**April 20<sup>th</sup>**

Session II

8:00-9:00 Breakfast with the expert: Yingchun Zhang  
Coordinate: Carlos Pérez Martínez

9:30-10:15 Altered purinergic signaling and prostatic hyperplasia in mature rats  
Álvaro Muñoz Toscano

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 Electrophysiological responses of nerves innervating the pelvic area  
Pablo Pacheco Cabrera

14:30-15:20 Biochemistry and Biomechanics of Pelvic Organ Prolapse  
Margot S. Damaser

15:30-15:45 Questions to speakers

15:45-18:00 Poster Session II.

## April 21<sup>th</sup>

### Session III

- 9:30-10:15 Research Ethic  
Margot S. Damaser
- 10:25-11:10 Hemi-ovariectomy: a tool to understand the functional relationship between the ovary and the central nervous system  
Angélica Trujillo Hernández
- 11:20-11:30 Coffee break
- 11:30-12:15 Specify the origins of pelvic muscle dysfunctions using a neural engineering approach for individualizing treatment  
Yingchun Zhang
- 12:25-13:10 Neurourology: lesson from laboratory animals  
Yolanda Cruz Gómez
- 13:20-13:35 Questions to speakers
- 13:35-14:35 Lunch Break
- 14:35-15:35 Emerging techniques in truly minimal-invasive treatment options of benign prostatic obstruction  
Karl-Dietrich Sievert
- 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)