

22nd International Symposium on Regulatory Peptides

RegPep2018

Advances in basic research on regulatory peptide physiology leading to accelerated translation to peptide based therapeutics

PRINCESS

Mundo Imperial

Riviera Diamante,
Acapulco, Mexico

September 22-25, 2018



First announcement: call for symposium/speaker proposals

Dear colleagues,

It is our great pleasure to announce the 22nd International Symposium on Regulatory Peptides, **RegPep2018**, under the auspice of **the International Regulatory Peptide Society (IRPS)** and **the National Autonomous University of Mexico (UNAM)**, which will be held on September 22-25, 2018, at the Resort and Conference Center **Princess Mundo Imperial**, in the newly developed Riviera Diamante, Acapulco, Mexico.

RegPep2018 is a unique venue in which basic and clinician scientists studying the physiology and pathophysiology of peptide actions, integrated from a brain-body-behavior perspective in health and disease, can learn how their key research questions relate to therapeutics.

RegPep2018 will feature cutting-edge findings across all aspects of peptide function, in translationally relevant areas of research.

Together with the Local Organizing Committee (**LOC**) and the International Advisory Committee (**IAC**) of **RegPep2018**, we would like to invite you to submit symposium/speaker proposals, which will be peer-reviewed and classified as contributed talks in symposia for **RegPep2018**.

Participants including both speakers, and poster presenters chosen by the RegPep2018 Program Committee, will have the possibility to contribute as authors to one of two Special Issues arising from the conference to be published in *Frontiers in Endocrinology/Neuroscience* and in *The Annals of the New York Academy of Sciences*.

Proposals for symposia should be submitted to regpep2018@unam.mx, cc to limei@unam.mx and eiden@nih.gov. Symposium proposals should include name, e-mail address and laboratory website URL of each speaker, title of each presentation, and a brief paragraph on the importance of the symposium topic to the mission and scope of RegPep2018 (regpep2018.facmed.unam.mx). We strongly recommend you to not propose more than 3 potential speakers, leaving space for contributed talks from general submissions, selected by the program sub-committee of the IAC.

You are warmly welcome to self-propose to be a speaker. In this case, please provide us your title and an abstract with at least one publication in the field of your own and other recent and/or relevant literature. Please have a look of the already existed topics for proposed symposia (appendix).

**Deadline for symposium/speaker proposal/self-proposal:
31st of January 2018**

Participants in selected symposia will be offered complimentary hotel accommodations and attendance at Conference Dinner, but will be expected to register in advance for RegPep2018.

**Website registration opens on 15th January 2018:
regpep2018.facmed.unam.mx**

Decision about acceptance of the symposium proposals will be made and communicated to proposers before February 15th, 2018.

We look forward to seeing you at RegPep2018.

**Lee E. Eiden (NIH, USA, Chair of RegPep2018)
Limei Zhang (UNAM, Mexico, Co-Chair of RegPep2018 and President of LOC)
David Vaudry (INSERM, France, Chair of IRPS)**

IAC:

Aguilera, Greti (USA), Antunes-Rodriguez, José (Brazil), Banks, William (USA), Baram, Tallie Z. (USA), Brown, Colin (New Zealand), Chow, Billy K.C. (China), Depoortere, Inge (Belgium), Gainer, Harold (USA), Gozes, Illana (Israel), Hiriart, Marcia (Mexico), Hökfelt, Tomas (Sweden), Joseph-Bravo, Patricia (Mexico), Kershenovich, David (Mexico), Kofler, Barbara (Austria), Leng, Gareth (UK), Lujan, Rafael (Spain), Mahata, Sushil (USA), Miyata, Atsuro (Japan), Moody, Terry (USA), Pemberton, Chris (New Zealand), Pintér, Erika (Hungary), Pisegna, Joseph (USA), Reglödi, Dora (Hungary), Russell, John A. (UK), Seong, Jae Young (Korea), Shioda, Seiji (Japan), Taché, Yvette (USA), Vaudry, Hubert (France), Vivas, Laura (Argentina), Waschek, James (USA)

LOC: Raul Aguilar-Roblero, Gabriela Cesarman, Irene Durante, German Fajardo-Dolci (Hon. Chair and dean of Faculty of Medicine, UNAM), Vito S. Hernández and Limei Zhang (Chair).

Appendix:

Suggested symposium and workshop topics so far:

- Subcortical homeostatic circuitry modulating brain waves and behavioral adaptation
- Neuropeptides mediating CNS neuroinflammation

- Dynorphins and other neuropeptides and their role(s) in appetitive preference and cognition
- Evolution of peptide and peptide receptor structure and function
- Creating pre-competitive consortia for peptide proof-of-concept for CNS disease
- Neuropeptides, fear circuits, and PTSD
- Extrahypothalamic functions of magnocellular neurons: optogenetics, genetics, development
- Bioinformatics-based peptide discovery in CNS
- Circadian coordination of brain and pituitary function
- Neuropeptides and brain edema
- Invertebrate models of peptide regulation of behaviour
- CRH and hippocampal neurodegeneration in stress
- PACAP, atherosclerosis and ApoE
- Pain peptide pathways and chronic brain inflammation
- Peptide translation for basic scientists: micropharma and academic research
- Peptide drug development: strategies from bench and clinic to approval
- Peptoids: building bridges to GPCR- and oligomerization-based drugs
- Chromogranins and vascular, immune, and metabolic regulation
- Peptide markers for proliferative and inflammatory disease
- Development of peptide-based therapeutics for pancreatic disease
- Peptides and their receptors as oncotargets
- Neuropeptide signaling and protection from central and peripheral ischemia
- Gut-brain axis in inflammation
- Disorders of peptide folding and processing
- Biased and canonical signalling to peptide-activated GPCRs
- Neuropeptides and migraine-current translational perspectives
- The beta-amyloid interactome
- Peptide penetration of the blood-brain-barrier
- Hypothalamic peptides and feeding behaviour
- Peptides and hypothalamic control of social behaviour
- Neuropharmacology of vasopressin and oxytocin: physiology and behaviour
- Opiate peptides and addiction
- Central and peripheral control of cardiovascular function
- NPY, epilepsy and hippocampal function

Additional topic suggestions are welcome. The Program Committee will announce preliminary program in January 2018.