



22<sup>nd</sup> International Symposium on Regulatory Peptides

# RegPep2018

Acapulco Diamante, Mexico  
September 22-25, 2018



PRINCESS

*Mundo Imperial*

Third announcement – updated April 10<sup>th</sup>, 2018

*Join us at RegPep2018, in Acapulco Diamante, México-  
Celebrating together advances in basic research on regulatory peptide  
physiology leading to accelerated translation to peptide-based  
therapeutics,  
Meeting among five generations of peptide scientists and scholars,  
Carrying on the legacy of regulatory peptide pioneers!*

- **Early-bird registration** extended to **May 4, 2018, 5pm GMT-5**
- **FINAL abstract submission deadline: June 30, 2018**
- For further details and updated information, please visit: <http://regpep2018.facmed.unam.mx/> where now the *program*, as well as *airline/coach*, local cultural, historical and touristic information and activities for participants, appear published

- Speakers and poster presenters are invited to submit short reviews/original reports to three *Special Issues* or *Research Topic*, dedicated to **RegPep2018 scientific contents**, in the venues: *The Annals of the New York Academy of Sciences, Peptides* and *Frontiers in Endocrinology/Neuroscience*
- A **RegPep2018 editorial committee** will be established to provide expedited reviewing/editorial assistance

## Plenary lectures

- Andrew V. Schally** (Nobel Prize Laureate, USA): *Hypothalamic hormones: from neuroendocrinology to therapy of cancer and other diseases and conditions*
- Laura Bohn** (USA), 2018 Victor Mutt Awardee and Lecturer :  
*Refining opioid receptor signaling to improve the therapeutic index*
- Jean-Louis Charli** (Mexico): *Peptide-degrading enzymes and the control of peptide action in vivo*
- Suzanne Dickson** (Sweden): *Impact of peripheral regulators of energy balance on the reward system*
- Robert C. Malenka** (Julius Axelrod Prize Laureate, USA):  
*Oxytocinergic gating of social reward*
- Gareth Leng** (UK): *The heart of the brain: the hypothalamus and its hormones*

## Young investigator symposium (S20)

New investigators embarking on their independent careers sketch out their current progress and plans for future research  
(Co-chairs: V. S. Hernández, México & A. S. Mecawi, Brazil)

## Peptide Pioneers roundtable

Drawing inspiration from the past and glimpsing the future

(Co-chairs: L. E. Eiden, USA & L. Zhang, México)

- C. Sue Carter**: (Indiana University, USA)  
**Luis de Lecea**: (Stanford University, USA)  
**José Antunes Rodrigues**: (University of Sao Paulo, Brazil)  
**Philip Lowry**: (University of Reading, UK)

## Workshop

Peptide-based drug discovery for CNS disorders: Avenues and barriers  
(Co-chairs: W.Z. Potter, USA & D. Vaudry, France)

## Symposia

- S1.** *Extrahypothalamic functions of magnocellular neurons: optogenetics, development and behavior* (Chair: V. Grinevich, Germany)
- S2.** *What's new with POMC, TRH, PRL and GH neuroendocrine actions* (Co-Chairs: P. Joseph-Bravo, México & D. Grattan, NZ)
- S3.** *Neuropharmacology of vasopressin and oxytocin: physiology and behavior* (Chair: M. Manning, USA)
- S4.** *Chromogranin- and other protein-derived bioactive peptides: cardiovascular, immune, endocrine and metabolic functions* (Chair: S. Mahata, USA)
- S5.** *Metabolic disorders: central and peripheral mechanisms and therapeutics* (Chair: M. Hiriart, México)
- S6.** *Presentation of self-peptides in the thymus: An essential event of life* (Chair: V. Geenen, Belgium)
- S7.** *Neuropeptides in headache, inflammation and neuroinflammatory pain: Basic science to clinical trials* (Chair: J. A. Waschek, USA)
- S8.** *Interaction of hypothalamic peptidergic circuits in the organization of physiology and behavior* (Chair: R. M. Buijs, México)
- S9.** *Gut peptide: physiology and metabolic syndrome* (Chair: D. Chen, Norway)
- S10.** *Peptides and their receptors as oncotargets* (Chair: T. Moody, USA)
- S11.** Symposium with contributed talks (TBA)
- S12.** *Regulatory peptide signaling and circuit logic in controlling concerted behaviors* (Chair: L. E. Eiden, USA)
- S13.** *Neuropeptide function in fear circuits* (Chair: F. Ferraguti, Austria)
- S14.** *Neuropeptides and social behavior* (Chair: T. Z. Baram, USA)
- S15.** *Neuropeptides in inflammatory processes* (Chair: E. Pinter, Hungary)
- S16.** *New insights in the hypothalamic regulation of energy metabolism by neuropeptides* (Co-chairs: N. Chartrel & C Rovère, France)
- S17.** *Clock mechanisms of mammalian SCN: From peptide to network interactions* (Chair: R. Aguilar-Roblero, México)
- S18.** *Neuropeptide regulation of stress and its consequences* (Chair: J. Herman, USA)
- S19.** *Drug design for the apelin receptor across diverse pathophysiological indications: Peptide drug development strategies from bench and clinic to approval* (Co-chairs: C. Llorens-Cortes, France, E. Marsault & M. Auger-Messier, Canada)
- S21.** *Contemporary approaches to studying peptidergic neurons* (Chair: M. Ludwig, UK)
- S22.** *Neuropeptides and neurodegeneration* (Chairs: I Gozes, Israel & S. Shioda, Japan)
- S23.** *Neuroendocrine peptide GPCRs: from function to therapeutic targets* Co-chairs: H. Castel, France & R. Leduc, Canada)
- S24.** *Nesfatin-1: Update on a pleiotropic peptide* (Co-chairs: A. Stengel, Germany & Y. Taché, USA)

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