



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

# RegPep2018

Acapulco Diamante, Mexico  
September 22-25, 2018



PRINCESS

*Mundo Imperial*

Third announcement – updated April 14<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**.
- **FINAL abstract submission deadline: June 30, 2018**
- **Continuing Medical Education credits** can be earned by attending the RegPep2018
- **For more details (program, airline/coach, local cultural, historical and touristic information)**, please visit: <http://regpep2018.facmed.unam.mx/>

- **Speakers and poster presenters** are invited to submit 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*

### Workshop

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

### 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 Paolo, Brazil)  
**Philip Lowry**: (University of Reading, UK)

### Symposia

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

**Contact: Faculty of Medicine, National Autonomous University of Mexico (UNAM), [regpep2018.facmed.unam.mx](http://regpep2018.facmed.unam.mx)  
RegPep2018 Chair: Lee E. Eiden: [eidenl@nih.gov](mailto:eidenl@nih.gov); Co-chair: Limei Zhang: [limei@unam.mx](mailto:limei@unam.mx)**