

## Saturday Sept. 22, 2018

<b>Concurrent symposia (<u>block I</u>: S1-S4)</b>				
	<b>Princesa Room 1</b>	<b>Princesa Room 2</b>	<b>Princesa Room 3</b>	<b>Princesa Room 4</b>
14:00 - 16:00	<b>S1.</b> Extrahypothalamic functions of magnocellular neurons: optogenetics, development and behavior Chair: <b>Valery Grinevich</b> (Heidelberg, Germany)	<b>S2.</b> What's new with POMC, TRH, PRL and GH neuroendocrine actions Co-Chairs: <b>Patricia Joseph-Bravo</b> (Cuernavaca, México) and <b>Dave Grattan</b> (Dunedin, New Zealand):	<b>S3.</b> Neuropharmacology of vasopressin and oxytocin: physiology and behavior Chair : <b>Maurice Manning</b> (Ohio, USA)	<b>S4.</b> Neuroendocrine peptide GPCRs: from function to therapeutic targets Co-Chairs: <b>Hélène Castel</b> (Rouen, France) and <b>Richard Leduc</b> (Sherbrooke, Canada)
14:00 - 14:30	<b>Valery Grinevich</b> ( <i>University of Heidelberg, Germany</i> ): Oxytocinergic circuits of the amygdala: finding points of intervention for pain and pleasure	<b>Malcolm J. Low</b> ( <i>University of Michigan, Ann Arbor, USA</i> ): Neuropeptides involved in integrated hypothalamic control of energy homeostasis	<b>Maurice Manning</b> ( <i>University of Toledo, USA</i> ): Receptor selective oxytocin and vasopressin agonists and antagonists as research tools and therapeutics: a current perspective	<b>Atsuro Miyata</b> ( <i>Kagoshima University, Kagoshima, Japan</i> ): Astrocyte-neuron lactate shuttle (ANLS) as the major effector of PACAP/PAC1R signaling for CNS functions
14:30 - 15:00	<b>David Murphy</b> ( <i>University of Bristol, UK</i> ): Linkages between osmoregulation and ingestive behaviors are encoded in vasopressinergic-dynorphinergic projections from hypothalamus to amygdala	<b>Patricia Joseph-Bravo</b> ( <i>IBT, UNAM, Mexico</i> ): Hypophysiotropic TRH neurons integrate stress and metabolic signals	<b>Gilles Guillon</b> ( <i>CNR, Montpellier, France</i> ): Selective fluorescent ligands for imaging vasopressin and oxytocin receptors in native tissues	<b>Sunny Z. Jiang</b> ( <i>NIMH, Bethesda, USA</i> ) PACAP and dopamine signaling in stress: response parcellation by distinct cyclic AMP sensors in neuronal and endocrine cells
15:00 - 15:30	<b>Limei Zhang</b> ( <i>Facultad de Medicina, Universidad Nacional Autónoma de México, Mexico</i> ): Vasopressin projections to habenula	<b>Dave Grattan</b> ( <i>University of Otago, Dunedin, New Zealand</i> ): Prolactin actions in the maternal brain during pregnancy	<b>Andrés Quintanar-Stephano</b> ( <i>UAA, Mexico</i> ): Effects of the neuropeptide arginine vasopressin (AVP) deficiency, conivaptan	<b>Laurent Prézeau</b> ( <i>INSERM U661 – University of Montpellier, Montpellier, France</i> ): GSHR controls YAP

	and modulation by sex steroids: control of response to aversive stimuli in mammals		and desmopressin on clinical symptoms, gene expression and blood cytokine levels in rats with experimental autoimmune encephalomyelitis	phosphorylation via both constitutive and agonist-induced pathway
15:30 - 16:00	<b>Alexa Veenema</b> (Michigan State University, East Lansing, USA): Developmental and sex-specific involvement of vasopressin in the regulation of social behavior	<b>Carlos Arámburo de la Hoz</b> (INB, UNAM, Mexico): Autocrine/paracrine roles of extrapituitary growth hormone in neuroprotection	<b>Nicolas Gilles</b> (IBMM, CNRS, Montpellier, France): Animal toxins for human health, case of the mambaquaretin for the treatment of polycystic kidney disease	<b>Hélène Castel</b> (Inserm U1239, DC2N, Normandie University, Mont-Saint-Aignan, France): Biased signaling of the urotensin II receptor: still a blind spot between direct couplings and brain physiopathology
16:30 - 17:00	<p><b>Opening ceremony</b>    <b>Atlantes Amphitheater</b></p> <p>Chairs of Organizing Committee &amp; Scientific Committee; National University and Guerrero State Authorities; All delegates and guests.</p> <p><b>Music interlude I: Carlos Egry (CDMX, México)</b></p> <p><b>Lay lecture:</b> Chaired by: <b>Gabriela Cesarman</b> (Instituto Nacional de Cancerología, México)</p> <p><b>David Kershenobich:</b> General Director, Instituto Nacional de Ciencias Médicas y Nutrición "Salvador Zubirán" (INCMNSZ) Mexico <b>The translation of basic research into clinical practice</b></p> <p><b>Music interlude II: Carlos Egry (CDMX, México)</b></p>			
17:40 - 18:30	<p>Special address from <b>Andrew V. Schally</b> (University of Miami, USA)</p> <p><b>Opening lectures</b>    <b>Atlantes Amphitheater</b> Chaired by: <b>Limei Zhang</b> (UNAM, México) <b>Gareth Leng:</b> (Centre for Discovery in Brain Science, University of Edinburgh, UK) <b>The heart of the brain: the hypothalamus and its hormones</b></p>			
18:30 - 21:00	<p><b>Welcome reception (Maya-Mixteca Pool / Ocean hall)</b></p>			

## Sunday Sept. 23, 2018

8:00 - 9:00	<p><b>Plenary lecture II</b>  <b>Atlantes amphitheater</b>          Chaired by: David Vaidry (University of Rouen, France and Chair of IRPS)  <b>Laura Bohn</b> (Scripps Institute, Florida, USA)  <i>2018 Victor Mutt Awardee and Lecturer</i></p> <p><b>Harnessing ligand-directed signaling for im(photo)proving opioid receptor therapeutics</b></p>			
<p><b>Concurrent symposia (<u>block II: S5-S8</u>)</b></p>				
	<b>Princesa Room 1</b>	<b>Princesa Room 2</b>	<b>Princesa Room 3</b>	<b>Princesa Room 4</b>
9:00 - 11:00	<p><b>S5.</b> Metabolic disorders: central and peripheral mechanisms and therapeutics          Chair: <b>Marcia Hiriart</b> (Mexico City, Mexico)</p>	<p><b>S6.</b> Presentation of self-peptides in the thymus: An essential event of life          Chair: <b>Vincent Geenen</b> (Liege, Belgium)</p>	<p><b>S7.</b> Neuropeptides in headache, inflammation and neuroinflammatory pain: Basic science to clinical trials          Chair: <b>James A. Waschek</b> (Los Angeles, USA)</p>	<p><b>S8.</b> Interaction of hypothalamic peptidergic circuits in the organization of physiology and behavior          Chair: <b>Ruud M. Buijs</b> (Mexico City, Mexico)</p>
9:00 - 9:30	<p><b>Harvey Grill</b>  <i>(University of Pennsylvania Perelman School of Medicine, USA):</i> Treating the hyperphagia driving obesity using centrally acting GLP-R agonists</p>	<p><b>Vincent Geenen</b>  <i>(University of Liege, Belgium):</i> Historical introduction to the thymus and concept of immune self-tolerance</p>	<p><b>James A. Waschek</b>  <i>(University of California at Los Angeles, USA):</i> VIP, PACAP and neuroinflammatory disease</p>	<p><b>Ruud Buijs</b> <i>(IIB, UNAM, Mexico):</i> Interaction between suprachiasmatic and arcuate nuclei is essential for temperature and corticosterone rhythm, roles for vasopressin and alpha-MSH</p>
9:30 - 10:00	<p><b>Inge Depoortere</b>  <i>(University of Leuven, Belgium):</i> Chemosensory signalling mechanisms of enteroendocrine cells in the gut</p>	<p><b>Georg Holländer</b>  <i>(University of Basel, Switzerland and University of Oxford, UK):</i> The thymus: epigenetic control of the molecular mirror of self</p>	<p><b>Zsuzsanna Helyes</b>  <i>(University of Pécs, Hungary):</i> Neuropeptide-mediated sensitization mechanisms in models of trigeminovascular activation: focus on PACAP and hemokinin-1</p>	<p><b>Charles Bourque</b>  <i>(McGill University Health Centre, Montreal, Canada):</i> Suprachiasmatic nucleus vasopressin neurons and the circadian control of fluid homeostasis</p>

10:00 - 10:30	<b>Marcia Hiriart</b> (IFC, UNAM, Mexico): Insulin resistance: physiology and as part of the metabolic syndrome	<b>Hiroyuki Takaba</b> (University of Tokyo, Japan): Distinct features of Fezf2- induced promiscuous gene expression in the thymus	<b>Ichiro Takasaki</b> (University of Toyama, Japan): Discovery of small-molecule antagonists of PAC1 receptor for the treatment of neuropathic pain	<b>Valerie Simonneaux</b> (INCI-CNRS, Strasbourg, France): Circuits of kisspeptin and RFRP3 in the seasonal control of reproduction and metabolism
10:30 – 11:00	<b>Andrew Gundlach</b> (Melbourne): Relaxin- 3/RXFP3 signaling and neuroendocrine function in extrahypothalamic circuits	<b>Jaime Mas-Oliva</b> (Instituto de Fisiología Celular, UNAM, Mexico City, Mexico) Vaccine HB- ATV-8 peptide regulates the metabolism of lipids in the hepatocyte	<b>Leon Martinez- Garcia</b> (Alder Biopharmaceutics, Seattle, WA USA) PACAP inhibition by Alder's ALD1910 antibody represents a potential non-CGRP redundant new opportunity to treat migraine	<b>Pawel K. Olszewski</b> (University of Waikato, Hamilton, New Zealand): Oxytocin as a potential pharmacological tool to curb overeating
<b>Concurrent symposia (block III: S9-S12)</b>				
	<b>Princesa Room 1</b>	<b>Princesa Room 2</b>	<b>Princesa Room 3</b>	<b>Princesa Room 4</b>
11:00 - 12:30	<b>S9.</b> Gut peptide: physiology and metabolic syndrome Chair: <b>Duan Chen</b> (Trondheim, Norway)	<b>S10.</b> Peptides and their receptors as oncotargets Chair: <b>Terry Moody</b> (Bethesda, USA)	<b>S11.</b> Symposium with contributed talks Chair: <b>Laura Vivas</b> (Cordoba, Argentina)	<b>S12.</b> Regulatory peptide signaling and circuit logic in controlling concerted behaviors Chair: <b>Lee E. Eiden</b> (Bethesda, USA)
11:00 - 11:30	<b>Chun-Mei Zhao</b> (Norwegian University of Science and Technology, Norway): Functional morphology of peptide hormone- producing ECL cells and A-like cells in stomach	<b>Gabriela Cesarman</b> (National Institute of Cancer Research, México): The interplay between cancer, it's microenvironment, and the coagulation system: biomarkers and regulation by peptides	<b>Sigal Fleisher- Berkovich</b> (Ben-Gurion University of the Negev, Beer-Sheva, Israel): Angiotensin-converting enzyme inhibitors ameliorate brain inflammation: Possible implications for Alzheimer's disease".	<b>Ben White</b> (NIMH, NIH, Bethesda, USA): The Broad Reach of Neuromodulators in the Control of Behavior

			<p><b>Andrea Godino</b> (INIMEC-CONICET-Universidad Nacional de Córdoba, Argentina): TRPV1 osmosensitive channel involvement in the control of sodium appetite</p>	
11:30 – 12:00	<p><b>Markus Heimesaat</b> (Charité University, Berlin, Germany): Pituitary Adenyl Cyclase-Activating Polypeptide – a neuropeptide as novel treatment option for intestinal inflammation. Lessons learnt from murine gut inflammation models</p>	<p><b>Terry Moody</b> (National Cancer Institute, NIH, USA): Bombesin receptors regulate transactivation of receptor tyrosine kinases in lung cancer</p>	<p><b>Patricia Lagos</b> (Universidad de la República, Montevideo, Uruguay): In vivo and ex vivo studies of the internalization of melanin-concentrating hormone conjugated with rhodamine in hippocampal neurons.</p>	<p><b>Esther Sabban</b> (New York Medical College, USA): NPY administration and treatment of behavioral symptoms in a rodent single prolonged stress model for PTSD</p>
			<p><b>Luz Torner</b> (Centro de Investigación Biomédica de Michoacán, Instituto Mexicano Del Seguro Social, Morelia, México): Regulatory role of prolactin on the neuroimmune system of the hippocampus of male rat pups</p>	
12:00 - 12:30	<p><b>Duan Chen</b> (Norwegian University of Science and Technology, Norway): Brain-gut axis: Botulinum toxin A treatment for obesity</p>	<p><b>Matthew Thakur</b> (Thomas Jefferson University, USA): Imaging of prostate cancer using VIP/PACAP analogs</p>	<p><b>Ai-Min Bao</b> (Zhejiang University, Hangzhou, China): The stress systems in mood disorders: a postmortem study</p>	<p><b>Xiao-Dong Wang</b> (Zhejiang University, China): Neuropeptides and calbindin in stress-related disorders</p>
			<p><b>Fabien Plisson</b> (CINVESTAV IPN, Irapuato, Mexico): Constrained GLP-1 mimetics with incretin-like properties</p>	

12:30  
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15:00

**Lunch and drinks**  
**Poster presentation (P1-P40)**  
**Ocean rooms 1-2**

**DataBlitz I** (13:10 -13:50)

Chaired by: **Lee E. Eiden** (NIH and Chair RegPep2018)  
P3, P9, P10, P13, P15, P19, P21, P40

**Atlantes Amphitheater**

**Editor-in-Chief Luncheon:**  
***How to publish your research***  
(14:00 -14:50)

Chair: **Robert Millar** (University of Pretoria, South African)  
**Atlantes Amphitheater**

*Annals of New York Academy of Sciences, Neuroendocrinology, J. Neuroendocrinology  
Stress, Journal of Molecular Neuroscience, Frontiers in Neuroendocrine Science*

- Introductions by editors
- Suggestions by participants of areas additional to those listed below which they would like covered
- Choosing the right journal. Checking the journal scope. Considering flagship journals in the area of your work. The disadvantages of being too ambitious (be ambitious by all means but a reality check is needed)
- Understanding the review process
- Why might my manuscript be rejected? (apart from fundamental flaws, things like...inappropriate journal, editorial triage, perceived lack of impact)
- Features of excellent manuscripts (clear writing, clear figures and tables and clear messages)
- Responding to reviewer's comments
- What do impact factors mean? What are appointment and promotion committees looking for in the journals you have published in?
- Writing reviews
- Open access may be great but someone has to pay! The pros and cons of these journals. Issues re predatory journals
- Should reviewers' identities be declared?

15:00 - 15:50	<p><b>Plenary lecture III</b>  <b>Atlantes amphitheater</b></p> <p>Chaired by: <b>Malcolm Low</b> (University of Michigan, Ann Arbor, USA)</p> <p><b>Jean-Louis Charli</b> (Instituto de Biotecnología, Universidad Nacional Autónoma de México (UNAM), Mexico)</p> <p><b>Peptide-degrading enzymes and the control of peptide action in vivo</b></p>			
<b>Concurrent symposia (<u>block IV</u>: S13-S16)</b>				
	<b>Princesa Room 1</b>	<b>Princesa Room 2</b>	<b>Princesa Room 3</b>	<b>Princesa Room 4</b>
16:00 - 18:00	<p><b>S13: Neuropeptide function in fear circuits</b>  Chair: <b>Francesco Ferraguti</b> (Innsbruck, Austria)</p>	<p><b>S14. Neuropeptides and social behavior</b>  Chair: <b>Tallie Z. Baram</b> (Irvine, USA)</p>	<p><b>S15. Neuropeptides in inflammatory processes</b>  Chair: <b>Erika Pintér</b> (Pecs, Hungary)</p>	<p><b>S16. New insights in the hypothalamic regulation of energy metabolism by neuropeptides</b>  Co-Chairs: <b>Nicolas Chartrel</b> (Rouen, France) and <b>Carole Rovère</b> (Valbonne, France)</p>
16:00 - 16:30	<p><b>Ramon Tasan</b> (Medical University of Innsbruck, Austria): Role of neuropeptides in the interaction of fear and hunger</p>	<p><b>Tallie Z. Baram</b> (University of California at Irvine, USA): CRH and development of the pleasure/reward circuitry</p>	<p><b>Susan D. Brain</b> (King's College London, UK): CGRP and protective effect in the cardiovascular system; relevance to migraine therapy</p>	<p><b>Sophie Steculorum</b> (Max Planck Institute for Metabolism Research, München, Germany): Novel regulators of the central control of feeding and systemic insulin sensitivity</p>
16:30 - 17:00	<p><b>Kay Jüngling</b> (University of Münster, Germany): The impact of the human-relevant NPSR1 polymorphism I107N on anxiety- and fear-related circuits and behavior</p>	<p><b>Inga D. Neumann</b> (Univ. Regensburg, Germany): Oxytocin and neuropeptide S in social behavior</p>	<p><b>Soraia Costa</b> (University of Sao Paulo, Brazil): Environmental influence of fumes on TRPA1-induced inflammation</p>	<p><b>Serguei Fetissov</b> (UI239, Université de Rouen, Normandie, France): Regulation of feeding behavior by a neuropeptide-like protein produced by gut bacteria</p>

17:00 - 17:30	<b>Francisco Sotres-Bayon</b> ( <i>IFC, UNAM, Mexico</i> ): Neurogenesis regulates fear recovery by recruiting a prefrontal-amygdala-habenula network	<b>Genaro A. Coria-Avila</b> ( <i>Centro de Investigaciones Cerebrales, Universidad Veracruzana, México</i> ): Oxytocin in conditioned same-sex partner preferences and brain dimorphism	<b>Barbara Kofler</b> ( <i>Department of Pediatrics/University Hospital Salzburg, Paracelsus Medical University, Salzburg, Austria</i> ): Galanin is a versatile modulator of immune cell activation	<b>Nicolas Chartrel</b> ( <i>INSERM U1239, Laboratory of Neuronal and Neuroendocrine Differentiation and Communication</i> ): 26RFa: a neuropeptide involved in the hypothalamic regulation of energy homeostasis
17:30 - 18:00	<b>Francesco Ferraguti</b> ( <i>Medical University of Innsbruck, Austria</i> ): Specialized amygdala inhibitory networks for emotional learning	<b>Adi Cymerblit-Sabba</b> ( <i>National Institute of Mental Health, NIH, USA</i> ): Vasopressin and social behaviors	<b>Erika Pintér</b> ( <i>Department of Pharmacology and Pharmacotherapy, University of Pecs, Pecs, Hungary</i> ): TRPA1-mediated effect of sulfide compounds in pain and inflammation	<b>Carole Rovère</b> ( <i>Université Nice Sophia Antipolis, Valbonne, France</i> ): Impact of nutritional lipids on glial remodeling and neurons activity in the hypothalamus. Focus on MCH and orexin neurons



## Monday Sept. 24, 2018

8:00 - 9:00	<p><b>Plenary lecture IV</b>  <b>Atlantes amphitheaterF</b>          Chaired by: <b>Gareth Leng</b> (University of Edinburgh, UK)  <b>Suzanne Dickson</b> (Institute of Neuroscience and Physiology, University of Gothenburg, Sweden)  <b>Impact of peripheral regulators of energy balance on the reward system</b></p>			
<p><b>Concurrent symposia (<a href="#">block V: S17-S20</a>)</b></p>				
	<b>Princesa Room 1</b>	<b>Princesa Room 2</b>	<b>Princesa Room 3</b>	<b>Princesa Room 4</b>
9:00- 11:30	<p><b>S17.</b> Clock mechanisms of mammalian SCN: From peptide to network interactions          Chair: <b>Raúl Aguilar-Roblero</b> (Mexico City, Mexico)</p>	<p><b>S18.</b> Neuropeptide regulation of stress and its consequences          Chair: <b>James P. Herman</b> (Cincinnati, Ohio, USA)</p>	<p><b>S19.</b> Drug design for the apelin receptor across diverse pathophysiological indications: Peptide drug development strategies from bench and clinic to approval          Co-Chairs: C. <b>Llorens-Cortes</b> (Paris, France), <b>Eric Marsault</b> and <b>M. Auger-Messier</b> (Sherbrooke, Canada)</p>	<p><b>S20.</b> Young Investigator Symposium: New investigators embarking on their independent careers sketch out their current progress and plans for future research          Co-chairs: <b>Vito S. Hernández</b> (Mexico City, México) and <b>André Mecawi</b> (Rio de Janeiro, Brazil)</p>
9:00 - 9:30	<p><b>Raúl Aguilar-Roblero</b> (UNAM, Mexico): From the molecular circadian oscillator to the circadian firing pattern in SCN neurons</p>	<p><b>James P. Herman</b> (University of Cincinnati, USA): Evidence of a role for glucagon-like peptide 1 in coordination of stress</p>	<p><b>Catherine Llorens-Cortes</b> (INSERM U1050, Collège de France, France): Development of original metabolically-stable apelin-17 analogs with aquaretic and cardiovascular effects</p>	<p><b>André Mecawi</b> (Federal Rural University de Rio de Janeiro, Brazil): Ghrelin effects on the paraventricular nucleus and basolateral amygdala neurons</p>

9:30 - 10:00	<b>Rae Silver</b> (Columbia University, USA): Re-visiting the core-shell connectome of the brain's clock in the hypothalamic suprachiasmatic nucleus.	<b>Eric G. Krause</b> (University of Florida, USA): Central Angiotensin II and its role in stress responding	<b>Gavin Oudit</b> (University of Alberta, Canada): Enhancing the apelin-apelin receptor axis as a novel therapy for heart failure	<b>Sung Han</b> (Salk Institute for Biological Studies, La Jolla, California, USA): CGRP: the main transmitter of affective pain signals to the amygdala
10:00 - 10:30	<b>Charles N. Allen</b> (Oregon Health & Science University, USA): VIP and vasopressin signaling mechanisms in suprachiasmatic nucleus neurons	<b>Jom Hammack</b> (University of Vermont, USA): Pituitary adenylate cyclase activating polypeptide (PACAP) in the bed nucleus of the stria terminalis (BNST): A nexus for stress and emotion	<b>Éric Marsault</b> (Université de Sherbrooke, Canada): Understanding and exploiting the structure-signaling relationship of apelin	<b>Lorraine Jaimes-Hoy</b> (Instituto de Biotecnología, UNAM, Mexico): Early life stress curtails the hypothalamic-pituitary-thyroid axis cold response in adulthood
10:30 - 11:00	<b>Chris Colwell</b> (University of California, Los Angeles, USA): The role of neuropeptides in the photic regulation of the circadian system circadian pacemaker	<b>Jan Deussing</b> (Max Planck Institute for Psychiatry, Munich, Germany): Role of CRH in stress adaptation	<b>Olivier Lesur</b> (Université de Sherbrooke, Canada): Potential of apelin and ELABELA in the treatment of sepsis	<b>Zhihua Gao</b> (Zhejiang University School of Medicine, Hangzhou, China): Reconstructing the hypothalamo-neurohypophysis connections by viral tracing
11:00 - 11:30	<b>Hugh Piggins</b> (University of Manchester, UK): Intrinsic and Extrinsic Neuropeptide signaling in the suprachiasmatic circadian pacemaker	<b>Ki-Ann Goosens</b> (Massachusetts Institute of Technology, Cambridge, USA): Ghrelin and resilience to chronic stress	<b>Hyung Chun</b> (Yale University School of Medicine, New Haven, Connecticut USA): Engaging apelinergic pathway for cardiometabolic health	<b>Vito S. Hernández</b> (Facultad de Medicina, UNAM, Mexico): Extra-neurohypophyseal axonal projections from individual vasopressin-containing magnocellular neurons in rat hypothalamus

11:30 - 15:00	<p style="text-align: center;"><b>Lunch and drinks</b> <b>Poster presentation (P41-P80)</b> <b>Ocean rooms 1-2</b></p> <p style="text-align: center;"><b>DataBlitz II</b> (12:10 -12:50) Chaired by: <b>Lee E. Eiden</b> (NIH and Chair RegPep2018) P41, P46, P48, P54, P59, P64, P66, P75 Atlantes Amphitheater</p> <p style="text-align: center;"><b>WORKSHOP</b> (13:10 -15:10) <b>Atlantes Amphitheater</b></p> <p style="text-align: center;"><b>Peptide-based drug discovery for CNS disorders: Avenues and barriers</b></p> <p>Co-Chairs: <b>William Z. Potter</b> (Bethesda, USA) and <b>David Vaudry</b> (Rouen, France)</p> <p><b>Bill Potter</b> (National Institute of Mental Health, NIH, USA): <i>CNS peptide and their receptors as drug targets: creating pre-competitive consortia for target engagement and proof-of-concept for CNS disease targets</i></p> <p><b>Mary R. Lee</b> (National Institute on Alcohol Abuse and Alcoholism, NIH, USA): <i>Peptide penetration of blood-brain-barrier after administration at olfactory and peripheral sites</i></p> <p><b>Michael J. Brownstein</b> (Azevan Pharmaceuticals, Bethlehem, PA, USA): <i>Vasopressin: Old dog, new tricks</i></p> <p><b>David Lovejoy &amp; Dalia Barsyte-Lovejoy</b> (UT, Canada &amp; Protagenic Therapeutics Inc. New York USA): <i>Multiple in vivo peptide delivery approaches with the corticotropin-releasing hormone (CRH) and secretin family-like peptide, teneurin C-terminal associated peptide (TCAP), for energy metabolism and affective disorder treatments</i></p> <p><b>David Vaudry</b> (INSERM, Laboratory of Neuronal and Neuroendocrine Differentiation and Communication, Normandy University, Rouen, France): <i>PACAP intranasal delivery represents an efficient approach for the treatment of stroke and Huntington disease</i></p>
15:20 - 17:00	<p style="text-align: center;"><b>Roundtable</b> <b>Atlantes amphitheater</b></p> <p style="text-align: center;"><b>Pioneers of Regulatory Peptide Research: Drawing inspiration from the past and glimpsing the future</b></p> <p style="text-align: center;">Chairs: <b>Lee E. Eiden</b> (NIMH, NIH, USA) and <b>Limei Zhang</b> (UNAM, Mexico)</p>

	<p>This portion of the RegPep2018 program highlights the unique contributions of five outstanding pioneers of regulatory peptide research who have profoundly altered our understanding of the role of peptides arising from their prohormone precursors within neurons and endocrine cells (Robert Millar) and stored in specialized secretory vesicles (John Morris), in orchestrating critical physiological functions in circadian rhythms, fluid and food intake (J. Antunes Rodrigues); social and sexual behavior (S. Carter); and modulation of states of arousal (L. de Lecea) and the implications of this understanding for progress in human health. The speakers will reflect on the lessons learned in their scientific careers that may be valuable to those just embarking on their own research journeys in this incredibly rich and fertile field, and will discuss critical questions about the future of regulatory peptide research, submitted beforehand from RegPep2018 participants.</p> <p><b>José Antunes Rodrigues</b> (Faculty of Medicine, University of Sao Paulo, Brazil)  <b>Neuroendocrine control of hydromineral balance: lessons from hypothalamic lesions to neural and molecular circuitries</b></p> <p><b>Sue Carter</b> (Kinsey Institute, University of Indiana, USA)  <b>A peptide cocktail for monogamy</b></p> <p><b>Luis de Lecea</b> (Department of Psychiatry, Stanford University, USA)  <b>Orexin/hypocretin and modulation of states of arousal: Twenty years of Hypocretins/orexins</b></p> <p><b>John Morris</b> (University of Oxford, UK)  <b>Insights from a lifetime in neuroendocrine ultrastructure</b></p> <p><b>Robert Millar</b> (Centre for Neuroendocrinology, University of Pretoria, South African)  <b>Hormones from prohormones--the biosynthesis of regulatory peptides: Making discoveries through recognizing what has gone before</b></p>
17:00 - 18:00	<p><b>Plenary lecture V</b>  <b>Atlantes amphitheater</b>  Chaired by: <b>Lee. E. Eiden</b> (NIMH, NIH, USA)  <b>Robert C. Malenka</b> (Stanford Neuroscience Institute, Stanford University, USA; Julius Axelrod Prize Laureate)</p> <p><b>Oxytocinergic gating of social reward</b></p>
18:30 - 22:00	<p><b>Conference Dinner (Puerto Hacienda/Condesa Hall II)</b></p>

## Tuesday Sept. 25, 2018 AM

<b>Concurrent symposia (<a href="#">block VI: S21-S24</a>)</b>				
	<b>Princesa Room 1</b>	<b>Princesa Room 2</b>	<b>Princesa Room 3</b>	<b>Princesa Room 4</b>
	<p><b>S21.</b> Contemporary approaches to studying peptidergic neurons Chairs: <b>Mike Ludwig</b> (Edinburgh, UK)</p>	<p><b>S22.</b> Neuropeptides and neurodegeneration Co-Chairs: <b>Illana Gozes</b> (Tel Aviv, Israel) and <b>Seiji Shioda</b> (Tokyo, Japan)</p>	<p><b>S23.</b> Chromogranin- and other protein-derived bioactive peptides: cardiovascular, immune, endocrine and metabolic functions Chair: <b>Sushil Mahata</b> (San Diego, USA)</p>	<p><b>S24.</b> Nesfatin-1: Update on a pleiotropic peptide Co-Chairs <b>Andreas Stengel</b> (Tübingen, Germany) and <b>Yvette Taché</b> (Los Angeles, USA)</p>
8:00 - 8:30	<p><b>Mike Ludwig</b> (<i>University of Edinburgh, UK</i>): Exploring novel neuronal pathways from the retina to the SCN using transgenic rat models and viral transfection systems</p>	<p><b>Illana Gozes</b> (<i>Tel Aviv University, Israel</i>): The VIP-PACAP-regulated ADNP is an alcohol-responsive gene and negative regulator of alcohol consumption in female mice</p>	<p><b>Sushil Mahata</b> (<i>Veterans Administration and UCSD, San Diego, USA</i>): Catestatin regulation of immunometabolism</p>	<p><b>Tamas Kozicz</b> (<i>Radboud University Nijmegen Medical Centre</i>): Role of nesfatin in emotional processing</p>
8:30 - 9:00	<p><b>Javier Stern</b> (<i>Georgia State University, USA</i>): Unraveling mechanisms underlying stimulus-secretion coupling at neuronal dendrites using novel cell biosensors</p>	<p><b>Seiji Shioda</b> (<i>Hoshi University, Japan</i>): PACAP, stem cells and neuroprotection, spinal injury and stroke</p>	<p><b>Youssef Anouar</b> (<i>Inserm U1239, Université de Rouen, Normandy, France</i>): A selenoprotein-derived peptide with potent in vivo anti-neurodegenerative actions</p>	<p><b>Suraj Unniappan</b> (<i>Sastatchewan, Canada</i>): Blood glucose homeostatic control by nesfatin-1</p>

9:00 - 9:30	<b>Colin Brown</b> (University of Otago, NZ): Dissecting vasopressin's role in the development of hypertension using transgenic rats	<b>Dora Reglödi</b> (University of Pecs, Hungary): Age-related accelerated systemic amyloidosis in PACAP deficiency	<b>Angelo Corti</b> (Vita-Salute University, Milan, Italy): Chromogranin A and its fragments in the spatio-temporal regulation of vascular biology and angiogenesis	<b>Andreas Stengel</b> (University of Tübingen, Germany): Role of nesfatin in food intake regulation
9:30 - 10:00	<b>Jeff Tasker</b> (Tulane University, USA): Neuropeptide activation of neuronal-glia circuits	<b>Stephen Salton</b> (Icahn School of Medicine at Mount Sinai, USA): VGF-derived fragment for neuroprotection in Alzheimer's disease	<b>Y. Peng Loh</b> (National Institute of Child Health and Human Development, NIH, Bethesda, USA): Serpinins: tissue distribution and functions	<b>Yvette Taché</b> (University of California-Los Angeles, USA): Gaps in knowledge - what should be addressed next in nesfatin research
10:10-11:00	<b>IRPS General Assembly</b> <b>Atlantes Amphitheater</b> All RegPep2018 delegates			
11:00-11:40	<b>Young Investigator Neuroscience Special lecture (NSL)</b> <b>Atlantes amphitheater</b> Chaired by: <b>Robert Malenka</b> (Stanford University, USA) <b>Sarah Melzer</b> (Department of Neurobiology, Howard Hughes Medical Institute, Harvard Medical School) <b>Peptidergic regulation of cortical inhibition</b>			
11:40-12:00	<b>Conference closure:</b> Organizing committee, conference chairs and all delegates  <b>Atlantes Amphitheater</b> <b>Group photo and attendance certificates hand-in</b>			