

RegPep23

Virtual segment: August 9-11, 2021

Time/Session	Monday 9th August 2021	Tuesday 10 th August 2021	Wednesday 11 th August 2021
08:00-09:00 Real-time Keynote Lectures (K) 45 min + 15 min Q&A	K-I: Gil Levkowitz (Israel) <i>Role of oxytocin in the developmental acquisition of sociality</i>	K-III: Chun-Xia Yi (The Netherlands) <i>Hypothalamic neuron-glia interaction in metabolic disorders</i>	K-V: Inga Neumann (Germany) <i>Interactions of oxytocin and the HPA axis</i>
09:00-11:00 Real-time Scientific Session (SS) 25 min + 5 min Q&A	SS-I Chair: Lee Eiden (USA) Corinne Bousquet (France) <i>Somatostatin and its analog signaling to stromal cells in pancreatic cancer</i> Hélène Castell (France) <i>Biased signaling at the urotensin II receptor and its physiological consequences</i> Wenqin Xu (USA) <i>GLP-1 receptor signaling to ERK through NCS-Rapgef2: a Neuroendocrine-specific MAPK pathway in endocrine pancreas</i> William Giardino (USA) <i>Extended amygdala neuropeptide circuits driving arousal, affect, and addiction</i>	SS-III: Chair Limei Zhang (Mexico) Jing Lu (China) <i>Changes in hypocretin/orexin in schizophrenia</i> Erik Hrabovszky (Hungary) <i>The kisspeptin system in reproduction and emotions</i> Matthew Paul (USA) <i>Social development and vasopressin</i> Alexa Veenema (USA) <i>Sex differences in the juvenile and adult vasopressin system in the regulation of social behavior</i>	SS-V: Chair Lee Eiden (USA) Geert van den Bogaart (The Netherlands) <i>Chromogranin A and its cleavage product catestatin control gut immune homeostasis and microbial</i> Peter Duncan (UK) <i>Corticotroph plasticity in stress: at the brain-endocrine interface</i> Wei Ying (USA) <i>CRIg+ macrophages prevent gut microbial DNA-containing extracellular vesicle induced composition</i> Mario Perello (Argentina) <i>Ghrelin signaling from circulation into the brain</i>
11:00-16:00 Poster viewing Networking and free time	Poster viewing and networking	Poster viewing and networking	Poster viewing and networking
16:30-17:30 Real-time Keynote Lectures (K) 45 min + 15 min Q&A	K-II: Luis de Lecea (USA) <i>Optogenetic control of neuromodulatory circuits in brain states</i>	K-IV: Victor Navarro (USA) <i>Upstream neuropeptides in HPG axis pulse generation</i>	K-VI: Joanna Dabrowska (USA) <i>Oxytocin, fear memory, and the bed nucleus of the stria terminalis</i>
17:30-20:00 Real-time Scientific Session (SS) 25 min + 5 min Q&A	SS-II: Co-Chairs: Ernie Blevins & Pawel Olszewski James (Ernie) Blevins (USA) <i>Oxytocin as a therapeutic strategy to treat obesity in diet-induced obese rodents and nonhuman primates</i> Luis Paiva (Chile) <i>Insulin signalling on oxytocin neurons</i> Emily Noble (USA) <i>Central oxytocin in social and reward-based feeding</i> Pawel Olszewski (New Zealand) <i>Oxytocin as a pharmacological tool to regulate meal size</i> Yoichi Ueta (Japan) <i>Transgenic approaches to reveal the physiological role of the central vasopressin system</i>	SS-IV: Chair Vito Hernández (México) Peng Li (USA) <i>The peptidergic control circuit for sighing</i> Sunny Z. Jiang (USA) <i>Endocrine and behavioral significance of conditional ablation of PACAP projections in mouse brain</i> Valentina Sabino (USA) <i>Neuropeptides and anxiety: Actions of CRH and PACAP in central amygdala</i> Sung Han (USA) <i>Divergent brainstem opioidergic pathways that mediate pain-breathing interaction</i> Rosie Brown (New Zealand) <i>Prolactin as a modulator of maternal aggression</i>	SS-VI: Chair André S. Mecawi (Brazil) Paul Marvar (USA) <i>Angiotensin II in emotional flexibility and fear-based disorders</i> Ki Goosens (USA) <i>Ghrelin signaling in the brain and its effects in central stress circuits</i> Milissa Chee (Canada) <i>Conditional deletion of melanin-concentrating hormone receptor 1 from GABAergic neurons increases locomotor activity</i> Alastair Ferguson (Canada) <i>Circumventricular organs as sensors and integrators of circulating signals controlling ingestive behaviors</i> Andrew Gundlach (Australia) <i>Relaxin-3/GABA neurons in the nucleus incertus and memory, emotion and reward</i>

RegPep23

Hybrid/f2f segment: August 15-19, 2021

Time	Sunday 15th August 2021	Monday 16th August 2021	Tuesday 17th August 2021	Wednesday 18th August 2021	Thursday 19th August 2021
6:00-7:00		Morning coffee: Starbucks	Morning coffee: Starbucks	Morning coffee: Starbucks	Morning coffee: Starbucks
07:00-10:00	Optional: Organized deep sea fishing trip (6-10 am)	Keynote symposium (KS)-1: Chair: Geert De Vries (40 min + 5 min Q&A) Carmen Sandi (Switzerland) <i>Neural circuits linking stress, anxiety and motivation</i> Patrick Sexton (Australia) <i>Mechanisms of signalling in G protein-coupled receptors</i> Geert de Vries (USA) <i>Sex differences in the brain seen from a whole-body perspective</i> Bob Millar (South Africa) <i>Rescue of function of mutant human GPCRs in the HPG axis</i>	KS-2: Chair: Javier Stern (40 min + 5 min Q&A) John Furness (Australia) <i>Dopamine and ghrelin receptor co-expression and interaction in defecation centers within the spinal cord</i> Valery Grinevich (Germany) <i>How does a single neuropeptide elicit pleiotropic behavioral and metabolic effects?</i> Marisela Morales (USA) <i>Fast and slow co-transmission in the modulatory system</i> Javier Stern (USA) <i>Real-time two-photon imaging of the rat hypothalamus in vivo</i>	KS-3: Co-Chairs: George Fink/Tomas Hokfelt/Arpad Dobolyi (40 min + 5 min Q&A) Merab Kokaia (Sweden) <i>Neuropeptides for gene therapy in epilepsy</i> Arpad Dobolyi (Hungary) <i>Tuberoinfundibular peptide 39: an emerging new social neuropeptide</i> Francesco Ferraguti (Austria) <i>Cortical VIP interneurons and salience broadcasting</i> Xiaohe Chen (USA) <i>Thalamic control of opioid-associated memory</i>	Special event (SE)-1: Co-Chairs: L. Eiden, L. Zhang and G. Aguilera <i>Distinguished Member recognition - Challenges for the field in the next 10 years</i> <i>Peptides as therapeutics: orphan GPCR-ligand matching is just the beginning-(Rick Samson)</i> SE-2: Chair: Julian Mercer <i>Scientific publishing: obligations and opportunities</i> <i>An exploration of how our scientific community can support the journals that truly fulfill the mission of advancing science communication for all scientists</i> Panelists: J. Mercer, R. Millar, S. Grattan, G. Leng, (INE) Rick Samson (The Physiological Review)
10:00-11:00	Free time	Buffet breakfast	Buffet breakfast	Buffet breakfast	Buffet breakfast
11:00-12:00	General Check-in and registration Business meeting: IRPS council extended meeting	Scientific session (SS)-1: Chair, Teresa Morales (25'+5' Q&A) Sarah Melzer (USA) <i>GRP-GRPR peptidergic signalling in the auditory cortex</i> Teresa Morales (Mexico) <i>Protective effects of prolactin in neurotoxin-hippocampal injury</i> Andre Mecawi (Brazil) <i>Osmoregulation of the transcriptome of the hypothalamic supraoptic nucleus</i> Tom Cunningham (USA) <i>Renin-angiotensin-aldosterone system in cardiovascular regulation and salt balance</i>	SS-III: Chair, Carolina Escobar (25'+5' Q&A) Mike Ludwig (UK) <i>Vasopressin in olfactory and visual processing</i> Simone Meddle (UK) <i>Seasonal breeding in birds: environmental regulation of the neuroendocrine and behavioural systems</i> Mary Lee (USA) <i>Central signaling after systemic administration of oxytocin</i> Danilo Lustrino (Brazil) <i>Anabolic and anti-catabolic effects of oxytocin on skeletal muscle protein metabolism</i>	SS-V: Chair, Mary Lee (25'+5' Q&A) Ryoichi Teruyama (USA) <i>Oxytocin on oxytocin neurons during lactation</i> Ruud Buijs (Mexico) <i>Vasopressin in daily setting of the outputs of the SCN clock</i> Lee Eiden (USA) <i>Using transcriptomics to distinguish developmental and adult roles for neuropeptides</i> Carolina Escobar (Mexico) <i>Circadian rhythms and promotion of metabolic health</i>	Neuroscience Special Lecture: Xiao-Dong Wang (China) <i>Exploring pleasure and worry in the tactile world</i> Closing ceremony
12:00-13:00					Group Photograph
13:00-15:00	Free time	Box lunch + posters viewing networking	Box lunch + posters viewing networking	Box lunch + posters viewing networking	Late check out to be arranged with the hotel and luggage keeping
15:00-17:30	Welcome: Ruud Buijs, Lee Eiden and Limei Zhang Lay Lecture (presenter: Ruud Buijs) Dick Swaab (The Netherlands) Sexual differentiation of the human brain Opening Victor Mutt Lecture (presenter: Lee Eiden) Diego V. Bohorquez (USA) A gut sense for calories	SS-II: Chair, Tom Cunningham Limei Zhang (Mexico) (30') <i>Calyx of Held-like synapse in telencephalon-H1FI pathway for threat alert</i> Colin Brown (New Zealand) (30') <i>Plasticity in α-melanocyte stimulating hormone modulation of oxytocin neuron activity in pregnancy and lactation</i> Alexandra Castillo-Ruiz (USA) (30') <i>Effects of birth made on vasopressin and oxytocin neurons of the hypothalamus</i> Eva Soto (Mexico) (20') <i>Liver-brain axis underlies circadian anti-inflammatory reflexes</i> Mario Zetter (Mexico) (20') <i>Early life stress and neuropeptides-microglial role in neurodevelopment</i> Andrés Quintanar-Stephano (20') Arginine vasopressin as an Immunoregulatory hormone	SS-IV: Chair, Sushil Mahata (25'+5' Q&A) Esther Sabban (USA) <i>Sex Differences in NPY in the Modulation of Traumatic Stress</i> Margarita Curras-Collazo (USA) <i>Oxytocin dysregulation in diabetogenic conditions induced by soybean oil diets</i> Vito Hernandez (Mexico) <i>Aging and GABAergic transmission in limbic system: testosterone and neuropeptides</i> Sushil Mahata (USA) <i>Role of catestatin in immunometabolism and insulin sensitivity</i> Scott Kanoski (USA) <i>Melanin-concentrating hormone and appetitive processes</i>	IRPS General Assembly 1. Acting Co-Presidents and Treasurer: Activity and Finance Information (Zhang-Eiden-Hernández); 2. Approval of modifications of the IRPS Statutes; 3. Election of Executive Body (internet based): Electoral Commission announcement 4. Presentation of leaders/venues for future RegPep meetings and their approvals: Mike Ludwig : Scotland; Bob Millar : South Africa Valery Grinevich : Germany; André S Mecawi : Brazil	Optional: organized Xtasea: the world's currently longest zipline over-ocean experience
18:00-21:00	Welcome Reception	IRPS Council/PC and DM, Editors' Reception (by invitation) 19:00 >	Young Investigator/Graduate Student Reception and ... "Let's dance, RegPep!" (All welcome, tickets for sale) 19:00>	Conference Dinner. Speakers invited. Tickets for sale. Formal evening wear for ladies and gentlemen recommended. Photograph.	Post RegPep23 Special Event

Scientific Program

RegPep23

*The 23rd International
Symposium on
Regulatory Peptides*

*Advances in basic research on regulatory peptide physiology leading to
accelerated translation to peptide-based therapeutics
A world congress with hybrid on-site and virtual presentations and discussions.
Final schedule to be published on 31 July 2021 (update July 22nd, 2021)*



International
Neuroendocrine
Federation



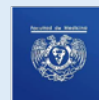
Three-day full virtual program: August 9th -11th, 2021

Four-day full in-person program: August 15-19, 2021

Princess Hotel Mundo Imperial, Riviera Diamante, Acapulco, México

Sponsors

Journal of Neuroendocrinology



RegPep22 group photo archive: Sep 25th, 2018

Keynote Speakers



Dick Swaab (opening lecturer, *introduced by Ruud Buijs, Chair of 23rd RegPep*)
Netherlands Institute for Neuroscience, The Netherlands, plenary speaker)

Sexual differentiation of the human brain

Carmen Sandi (*introduced by Limei Zhang, IRPS Co-President*)

Brain and Mind Institute, EPFL, Switzerland

Neural circuits linking stress, anxiety, and motivation

Valery Grinevich (*Introduced by Mary Lee*)

University of Heidelberg, Germany

How does a single neuropeptide elicit pleiotropic behavioral and metabolic effects?

Robert Millar (*introduced by Victor Navarro*)

University of Pretoria, S. Africa

Rescue of function of mutant human GPCRs in the HPG axis

Geert De Vries (*introduced by Árpád Dobolyi*)

Georgia State University, USA

Sex differences in the brain seen from whole-body perspective

Diego Bohorquez (Duke University, USA)

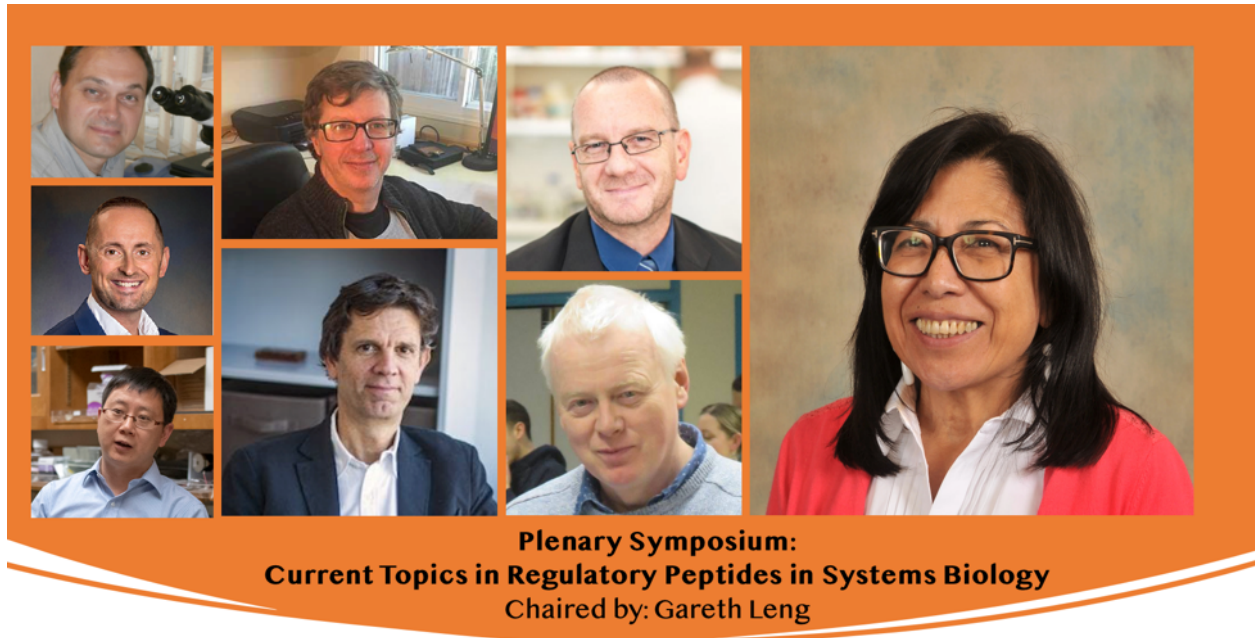
Victor Mutt lectureship awardee

Introduced by: Lee E Eiden (IRPS Co-President)

A gut sense for calories

Keynote Symposium:
Chair: Gareth Leng

Current Topics of Regulatory Peptides in Systems Biology



- **Patrick Sexton** (Monash University, Australia), *Mechanisms of signaling by G protein-coupled receptors*
- **Luis de Lecea** (Stanford University, USA): *Optogenetic control of neuromodulatory circuits in brain states*
- **Marisela Morales** (NIDA/NIH, USA): *Fast and slow co-transmission in modulatory system*
- **Árpád Dobolyi** (Semmelweis University, Budapest, Hungary): *Tuberoinfundibular peptide 39: an emerging new social neuropeptide*
- **Xioke Chen** (Stanford University, USA): *Thalamic control of opioid-associated memory*
- **Victor Navarro** (Harvard Medical School, USA): *Upstream neuropeptides in HPG axis pulse generation*
- **Javier Stern** (GSU, USA): *Real-time two-photon imaging of the rat hypothalamus in vivo*

16 Scientific Themes of RegPep23*

1. Gut-brain interactions

Diego Bohorquez (Duke University, USA): A gut sense for calories

Wei Ying (UCSD, USA): DR1g+ macrophages prevent gut microbial DNA-containing extracellular vesicle effects

Duan Chen (Norwegian University of Science and Technology, Norway): Neural signaling modulates metabolism of gastric cancer

John Furness (Florey Institute, Australia): Dopamine and ghrelin receptor co-expression and interaction in defecation centers within the spinal cord

Posters: to be announced

Lead discussant: Sushil Mahata

2. Co-transmission, classical and peptidergic

Marisela Morales (NIDA, NIH, USA): Fast and slow co-transmission in brain modulatory systems

Melissa Chee (Carlton University, Canada): MCHR1-mediated control of locomotion

Lee E. Eiden (NIMH, NIH, USA): PACAP-glutamate co-transmission in brain circuits

Andrew Gundlach (Florey Institute, Australia): Relaxin-3/GABA neurons in the nucleus incertus: brainstem modification of behavior

Posters: to be announced

Lead discussant: Limei Zhang

3. Peptide-ligand GPCR signaling

Patrick Sexton (Monash University, Australia): Mechanisms of signaling in G protein-coupled receptors

Corinne Bousquet (INSERM Toulouse, France): Somatostatin signaling in pancreatic cancer

Hélène Castel (University of Rouen, France): Biased signaling at the urotensin II receptor

Wenqin Xu (NIMH, NIH, USA): RapGEF2-dependent signaling by family B peptide receptors

Robert Millar (University of Pretoria, S. Africa): Rescue of function of mutant human GPCRs in the HPG axis

Posters: to be announced

Lead discussant: Andrew Gundlach

4. Reproductive hormones and behaviors

Victor Navarro (Harvard Medical School, USA): Upstream neuropeptides in HPG axis pulse generation

Rosie Brown (Otago University, New Zealand): PRL in MPOA and nursing behavior

Erik Hrabovszky (KOKI, Hungary) The kisspeptin system in reproduction and emotions

Colin Brown (Otago University, New Zealand): Peptides modulating physiological responses in pregnancy

Simone Meddle (University of Edinburgh, UK): Seasonal breeding in birds: Environmental regulation of the neuroendocrine and behavioural systems.

Ryoichi Teruyama (Louisiana State University): Sex hormones and the behavior of neurosecretory neurons

Alexandra Castillo-Ruiz (Georgia State University, USA): Effects of birth mode on vasopressin and oxytocin neurons of the hypothalamus

Posters: to be announced

Lead discussant: Ruud Buijs

5. Neuropeptide regulation of rhythmic behavior

Peng Li (University of Michigan, USA): A peptidergic control circuit for sighing

Ruud Buijs (UNAM, Mexico): Role of vasopressin in daily setting of the outputs of the SCN clock

Carolina Escobar (UNAM, Mexico): Circadian rhythms and promotion of metabolic health

Eva Soto (UNAM, Mexico): Liver-brain axis underlies circadian anti-inflammatory reflexes

Posters: to be announced

Lead discussant: Mike Ludwig

6. Vasopressin and oxytocin: shifting the neurosecretory peptide paradigm in brain and periphery

Valery Grinevich (Central Institute for Mental Health, Mannheim, Germany): How does a single neuropeptide elicit pleiotropic behavioral and metabolic effects?

Luis Paiva (Universidad Austral de Chile, Chile): Insulin signaling on oxytocin neurons.

Mike Ludwig (University of Edinburgh, UK): Vasopressin in olfactory and visual processing)

Paul Matthew (SUNY at Buffalo, USA): Social development and vasopressin

Andrés Quintanar-Stephano (Universidad de Aguascalientes, Mexico): The role of vasopressin as an immunoregulatory hormone)

Yoichi Ueta (University of Occupational and Environmental Health, Japan): Transgenic approaches to reveal physiological role of central vasopressin system

Posters: to be announced

Lead discussant: Colin Brown

7. Peptidergic signaling in brain circuits specifying behavior

Luis De Lecea (Stanford University, USA): Optogenetic control of neuromodulatory circuits in brain states

Nicholas Betley (University of Pennsylvania, USA): Peptidergic signaling in a hypothalamus to hindbrain circuit prioritizes hunger over pain

Joanna Dabrowska (Rosalind Franklin University, USA): Oxytocin, fear memory, and the bed nucleus of the stria terminalis

William Giardino (Stanford University, USA): Extended amygdala neuropeptide circuits driving arousal, affect, and addiction

Limei Zhang (UNAM, Mexico): New vista of Calyx of Held-like synapse in telencephalon from rhombencephalic glutamate-peptidergic long range *HiFi pathway* for threat coping

Posters: to be announced

Lead discussant: James Blevins

8. Oxytocin-physiology and emerging neurotherapeutics

James Blevins (University of Pennsylvania, USA) Oxytocin treatment for obesity in rodents and primates

Margarita Curras-Collazo (UC Riverside, USA) Oxytocin dysregulation in diabetogenic conditions induced by soybean oil diets

Danilo Lustrino (Federal University of Sergipe, Brazil) Anabolic and anti-catabolic effects of oxytocin on skeletal muscle protein metabolism

Mary Lee (NIDA, NIH, USA) Evidence of central signaling after systemic administration of oxytocin

Pawel Olszewski (University of Waikato, New Zealand) Oxytocin as a pharmacological tool to regulate meal size

Posters: to be announced

Lead discussant: Joanna Dabrowska

9. Pleiotropic actions of chromogranin-derived peptides

Geert Van den Boogaart (Groningen Biomolecular Sciences and Biotechnology Institute (GBB), The Netherlands): Catestatin controls gut immune homeostasis and microbial composition)

Sushil Mahata (UCSD, USA): Regulation of immunometabolism by catestatin)

Posters: to be announced

Lead discussant: Pawel Olszewski

10. Angiotensin II in the renin-angiotensin-aldosterone system and in the brain

Thomas Cunningham (UNT Health Science Center, USA): Renin-angiotensin-aldosterone system in cardiovascular regulation and salt balance)

Paul J. Marvar (George Washington University, Washington D.C., USA): Angiotensin II in emotional flexibility and fear-based disorders

Enrique C. Guerra (UNAM, Mexico): ACE2 and its down-stream peptides of the renin-angiotensin-aldosterone system in SARS-CoV-2 infection and COVID-19

Posters: to be announced

Lead discussant: Ki Goosens

11. Sex, sex hormones, neuropeptides and reproductive behavior

Dick F. Swaab (Netherlands Institute for Neuroscience, The Netherlands): Sexual differentiation of the human brain

Alexa Veenema (Sex differences in the juvenile and adult vasopressin system in the regulation of social behavior)

Geert De Vries (Georgia State University, USA) Sex differences in the brain seen from whole-body perspective

Vito Hernandez (UNAM, Mexico) Aging and GABAergic transmission in limbic system: testosterone and neuropeptides

André Mecawi (Universidade Federal de São Paulo, Brazil): Estrogen control of neurohypophyseal gene expression and hormone secretion

Posters: to be announced

Lead discussant: Arpad Dobolyi

12. Neuropeptides and stress

Inga Neumann (Univ. Regensburg, Germany): Interactions of oxytocin and the HPA axis

Ki Goosens (Icahn School of Medicine at Mt. Sinai, New York, USA) Ghrelin signaling in the brain and its effects in central stress circuits

Peter Duncan (University of Edinburgh, UK) Corticotroph plasticity in stress: at the brain-endocrine interface

Sunny Z. Jiang (NIMH, NIH, USA) Behavioral significance of conditional ablation of PACAPergic projections in the brain

Gil Levkowitz (Weizmann Institute, Israel): Peptidergic modulation of stress response in zebrafish

Valentina Sabino (Boston University School of Medicine, USA): Neuropeptides and anxiety: Actions of CRH and PACAP in central amygdala

Posters: to be announced

Lead discussant: Lee Eiden

13. Pain-related peptide signaling-from opioids to TIP-39, from respiration to reward

Arpad Dobolyi (Semmelweis University, Budapest, Hungary) TIP-39: a peptide with multiple neurotransmitter actions related to aversive stimulus processing

Sung Han (Salk Institute, USA) Brainstem opioidergic pathways that mediate pain-breathing interaction

Xiaohe Chen (Stanford University, USA): Thalamic control of opioid-associated memory

Posters: to be announced

Lead discussant: Tom Cunningham

14. Neuropeptides in circuits for appetite, anxiety, and motivation

Carmen Sandi (Brain and Mind Institute, EPFL, Switzerland) Neural circuits linking stress, anxiety and motivation

Alistair Ferguson (Queen's University, Canada) CVOs as sensor and integrators for ingestive behaviors

Scott Kanoski (University of Southern California, USA) Melanin-concentrating hormone and appetitive processes

Emily Noble (University of Georgia, USA) Central oxytocin in social and reward-based feeding

Posters: to be announced

Lead discussant: Teresa Morales

15. Neuropeptides and brain integrative functions

Francesco Ferraguti (Medical University of Innsbruck, Austria): Cortical VIP interneurons and salience broadcasting

Jing Lu (Zhejiang University, China): Hypocretin/orexin system in schizophrenia

Xiao-dong Wang (Zhejiang University, China) Tactile modulation of memory and anxiety requires dentate granule cells along the dorsoventral axis

Posters: to be announced

Lead discussant: Dora Zelena

16. Neuro-glia interaction and neuroinflammation

Chun-Xia Yi (Netherlands Institute for Neuroscience, The Netherlands): Hypothalamic neuron-glia interaction in metabolic disorders

Dora Zelena (Hungarian Academy of Sciences, Hungary): Tissue inflammation and insulin resistance

Teresa Morales (UNAM, Mexico): Protective effects of prolactin in neurotoxin-hippocampal injury

Rogelio Hernandez-Pando (INNSZ, Mexico): Neuroimmune activation during experimental pulmonary tuberculosis

Mario Zetter (UNAM, Mexico): Early life stress and neuropeptides-microglial role in neurodevelopment

Posters: to be announced

Lead discussant: Inga Neumann

Effect of oxytocin on oxytocin neurons during lactation

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- The **keynote/keynote symposium talks**, and ***in-person* speakers' presentations** will be scheduled in *real-time* within the RegPep23, August 15-19, 2021. Details TBA on July 31st.
- **Virtual presentations of speakers who are unable to attend the meeting *in-person*** will be available on the conference website, passcode guarded, **starting on August 9th, 2021**, for RegPep23 delegates' viewing.
- **Each scientific theme** will be represented in the **RegPep23** world congress, with a **hybrid 30min-long session for discussion and Q&A**. **Speakers and poster presenters, *in-person* or *via Zoom***, are required to be the panelists, as well as the appointed discussants.

Special events

Theme X: Scientific publishing: obligations and opportunities

An exploration of how our scientific community can support the journals that truly fulfill the mission of advancing science communication for all scientists

Lead discussants: **Julian Mercer, Bob Millar, Dave Grattan, Gareth Leng**: current and past editors-in-chief, *Journal of Neuroendocrinology*, [the IRPS official journal](#).

Willis K (Rick) Samson, Ex-Editor-in-Chief, *American Journal of Physiology -Regulatory, Integrative, and Comparative Physiology (APS)*, Deputy Editor-in-Chief, *Physiological Review (APS)*, and incoming Distinguished Member of IRPS

Theme Y: Neuropeptides and receptors in epilepsy & neural excitability

Chaired by: [George Fink](#) and [Tomas Hökfelt](#)

Merab Kokaia (Lund University, Sweden): Neuropeptides for gene therapy in epilepsy

Theme Z:

Chaired by: [Lee Eiden](#) and [Greti Aguilera](#)

Rick Samson: Peptides as Therapeutics: Orphan GPCR-Ligand Matching is Just the Beginning.

TBA

IRPS General Assembly

Distinguished Members recognition

Greti Aguilera
Jose Antunes-Rodrigues.
Sue Carter
Luis de Lecea
Richard DiMarchi
George Fink
John Furness

Hal Gainer
Tomas Hökfelt
Jens Juul Holst
Bob Jensen
Gareth Leng
Maurice Manning
Bob Millar

John Morris
Quentin Pittman
Jens Rehfeld
Rick Samson
Dick Swaab

General distribution

