Symposium
Hypothalamic Integration Mechanisms

MARCH
20, 21 & 22
2024

9:30 AM
AUDITORIUM ALFONSO ESCOBAR IZQUIERDO
PROGRAM
MARCH 20, 2024
Symposium
Hypothalamic Integration Mechanisms

9.30 – 10.30
Dr. Dick Swaab
Netherlands Institute for Neuroscience
Dead brains tell lively tales

10.30 – 11.00
Dr. Felix Kreier
OLVG Hospital Amsterdam, The Netherlands
Illustrating the Hypothalamus’s Role in Energy Regulation for the General Public

11.00 – 11.45
Dr. Andries Kalsbeek
Netherlands Institute for Neuroscience & Amsterdam UMC
Rhythmic control of energy metabolism, hormones and the autonomic nervous system

11.45 – 12.15
Coffee

12.15 – 13.00
Dra. Susanne La Fleur
University of Amsterdam, The Netherlands
Glucose control beyond the hypothalamus

13.00 – 13.30
Dr. Luis Leon Mercado
UT Southwestern, Dallas, USA
Interrogating the autonomic control of glucose homeostasis

13.30 – 14.00
Dr. Frederik Buijs F.
Hoffmann - La Roche, Basel Switzerland
At the intersection of science and technology: uncovering the clinicopathology of Multiple Sclerosis

14.00 – 15.00
Lunch

15.00 – 15.45
Dr. Geert de Vries
Georgia State University, USA
Development and Function of Sex Differences in the Brain; lessons learned from single gene vs. genome - wide studies

15.45 – 16.15
Dra. Nadia Saderi
University of San Luis Potosi, Mexico
Sex dimorphism in biological rhythms: cues from the autistic spectrum disorder

16.15 – 16.45
Dra. Natali Guerrero
Medical Faculty UNAM, Mexico
Dim light at night as a disruptive factor for the circadian system of the female Wistar rat and its offspring
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Topic</th>
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<tbody>
<tr>
<td>9.30 - 10.15</td>
<td>Dr. Paul Pevet</td>
<td>Universite Strasbourg, France</td>
<td>Melatonin: master clock output, circadian time-giver and chronobiotic</td>
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<tr>
<td>10.15 - 10.45</td>
<td>Dr. Francisco Romo</td>
<td>University of Cincinnati, USA</td>
<td>A neuroscience of the body approach to psychiatric disorders</td>
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<td>10.45 - 11.30</td>
<td>Dra. Carolina Escobar</td>
<td>Medical Faculty Dept Anatomy, UNAM, Mexico</td>
<td>The relevance of food and other nonphotic zeitgebers for circadian function</td>
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<td>12.00 - 12.45</td>
<td>Dr. Frank Scheer</td>
<td>Harvard Medical School, Boston, USA</td>
<td>Circadian disruption effects on human health and countermeasure development</td>
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<tr>
<td>12.45 - 13.30</td>
<td>Dra. Eline van der Beek</td>
<td>Netherlands &amp; Nestle Research, Switzerland</td>
<td>Impact of Maternal Health &amp; nutrition Status on offspring outcomes</td>
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<td>13.30 - 14.00</td>
<td>Dra. Daniela Herrera Moro Cao</td>
<td>University of Minnesota, Minneapolis, USA</td>
<td>Hypothalamic astrocyte-neuron communication mechanisms for regulation of glucose homeostasis and energy balance</td>
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<td>Lunch</td>
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<td>15.00 - 15.45</td>
<td>Dra. Chun-Xia Yi</td>
<td>University of Amsterdam, The Netherlands</td>
<td>Hypothalamic neuron-glia interaction in metabolic diseases</td>
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<td>9.30 – 10.15</td>
<td><strong>Dra. Masha Prager-Khoutorsky</strong></td>
<td>McGill University, Montreal, Canada</td>
<td>Microglia regulate vasopressin neuron activity via structural remodeling of astrocytes</td>
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<td>10.15 – 10.45</td>
<td><strong>Dra. Gabriela Hurtado-Alvarado</strong></td>
<td>Medical Faculty, UNAM, Mexico</td>
<td>Metabolic impairment induced by sleep loss: a communication problem between the periphery and the brain</td>
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<td>10.45 – 11.30</td>
<td><strong>Dr. Ruud Buijs</strong></td>
<td>Instituto de Investigaciones Biomedicas, UNAM, Mexico</td>
<td>The Biological clock as a tool to study the physiology of the body</td>
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