

# PROGRAM

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**【January 28 (Fri)】**

**9:20–9:30      Opening Address**

**9:30–12:15      Morning Session: Pheromone and behavior (15 min Coffee Break)**

*Chairpersons:* Masumi Ichikawa, Takefumi Kikusui

- Peter Sorensen (University of Minnesota, USA) “The neural basis of sex pheromone discrimination in the goldfish olfactory system”
- Fumiyo Toyoda (Nara Medical University, Japan) “Peptide pheromones in newts”
- Takefumi Kikusui (University of Tokyo, Japan) “Emotional communication by odors in rodents”
- Zuoxin Wang (Florida State University, USA) “Neurochemical regulation of social attachment”
- James A. Cherry (Boston University, USA) “Sex, hormones and accessory olfactory function in mice”.

**12:15–14:15      Lunch & Poster Session**

**14:15–17:30      Afternoon Session: GnRH neurons (15 min Coffee Break)**

*Chairpersons:* Makito Kobayashi, Yoshitaka Oka

- Kathleen Whitlock (Cornell University, USA) “Embryonic origins of gonadotropin releasing hormone (GnRH) cells in the vertebrate embryo”
- Ishwar Parhar (Nippon Medical University, Japan) “GnRH molecules and receptors: Development and functional significance”
- Yoshitaka Oka (University of Tokyo, Japan) “Physiology of neuromodulatory GnRH system”
- Hideki Abe (University of Wisconsin, USA) “Multiple mechanisms of rapid action of estrogen in primate GnRH neurons”
- Suzanne Moenter (University of Virginia, USA) “Revealing the hidden lives of mammalian GnRH neurons using electrophysiological approaches”
- Allan Herbison (University of Otago, New Zealand) “Neural regulation of GnRH neuron activity”

**18:00–20:00      Banquet (Sanjo-Kaikan Hall)**

## **【January 29 (Sat)】**

**9:30–12:15 Morning Session: Sleep** (15 min Coffee Break)

*Chairpersons:* Min Kyun Park, Yoshimasa Koyama

- Yoshimasa Koyama (Fukushima Medical University, Japan) “Neural substrates for sleep-wakefulness regulation”
- Takeshi Sakurai (University of Tsukuba, Japan) “Roles of orexin-producing neurons in the mechanism that regulates sleep/wakefulness states”
- Seiji Nishino (Stanford Univ., USA) “Narcolepsy as a disease model to study the hypothalamic function in health and disease”
- Markus H. Schmidt (Ohio Sleep Medicine and Neuroscience Inst., USA) “Neural mechanisms of sleep-related penile erections”
- Kamallesh K. Gulia (All India Institute of Medical Sciences, India) “The role of orexin in male sexual behavior”

**12:15–13:45 Lunch**

**13:45–17:00 Afternoon Session: Feeding, reproduction and nutrition** (15 min Coffee Break)

*Chairpersons:* Hiroko Tsukamura, Hellen I'Anson

- Sue Ritter (Washington State University, USA) “Executive neurons in hindbrain control multiple glucoregulatory responses”.
- Hellen I'Anson (Washington and Lee University, USA) “Metabolic regulation of puberty onset”
- Roy Martin (Pennington Biomedical Research Center, USA) “Nutrient sensing mechanisms”
- Kei-ichiro Maeda (Nagoya University, Japan) “Brain glucose sensor for the regulation of feeding and reproduction”
- Satoshi Ohkura (National Institute of Agrobiological Sciences, Japan) “Metabolic signals involved in the regulation of GnRH secretion in ruminants”
- Mika Kinoshita (Takeda Pharmaceutical Company Ltd., Japan) “Ketone body as a possible negative energy signal regulating feeding, reproduction and energy metabolism”