

SYSTEMS BIOLOGY OF HYPOTHALAMIC GONADOTROPIN RELEASING HORMONE (GnRH) NEURONS

Part 1 (Morning Session)

Chairpersons: Quentin Pittman (Canada) & Yasuo Sakuma (Japan)

1. **Stuart Tobet** (USA) *GnRH Neuron Migration: A Long and Dangerous Road?*
2. **Nancy Lynne Wayne** (USA) *Biology of GnRH Neuron Development in the Living Zebrafish Embryo*
3. **Yoshitaka Oka** (Japan) *Electrophysiological, Anatomical, and Molecular Characterization of GnRH Neurons in Dwarf Gourami and GFP Transgenic Medaka*
4. **Masakatsu Kato** (Japan) *Slow Afterhyperpolarization Currents in Rat GnRH Neurons*
5. **Oline K. Ronnekleiv** (USA) *Expression of Ion Channels in GnRH Neurons and Their Role in Burst Firing*
6. **Sue Moenter** (USA) *Differential Regulation of GnRH Neurons by Acutely Applied Estradiol: Dependence on Dose and Estrogen Receptor Subtype*
7. **Chunguang Zhang** (USA) *Kisspeptin Signaling in GnRH Neurons*
8. **Kelly J. Suter** (USA) *Dendritic Processing of Excitatory Synaptic Input in Hypothalamic GnRH Neurons*

Part 2 (Afternoon Session)

Chairpersons: Martin J. Kelly (USA) & Yasuo Sakuma (Japan)

9. **Allan Herbison** (New Zealand) *Prepubertal Development of Estrogen-Kisspeptin-GnRH Neuron Positive Feedback Mechanism*
10. **Tony Plant** (USA) *Kisspeptin and the Onset of Puberty in the Rhesus Monkey*
11. **Hiroko Tsukamura** (Japan) *Central Metastin/Kisspeptin in the Regulation of Luteinizing Hormone Secretion*
12. **Manuel Tena-Sempere** (Spain) *Kiss1 and Reproduction: Focus on its Role in the Metabolic Regulation of Fertility*
13. **Robert Peter Millar** (UK) *Ligand-induced Selective Signaling (LiSS) at the GnRH receptor*
14. **Ishwar Parhar** (Malaysia) *Kisspeptin-GnRH: Key Regulators of Reproduction in Teleost*
15. **Emilie F. Rissman** (USA) *Different Behavioral Roles for GnRH I and I*