

Recent advances in the central control of reproduction

April 11th 2013, Centre INRA Val de Loire, 37380 Nouzilly, Conference hall.

9h00 Welcoming

9h15 Opening presentation by **Florian Guillou** (INRA, Nouzilly, France)

MORNING SESSION. Chaired by **Neil Evans** (University of Glasgow, UK)

9h30 **Donal C Skinner** (University of Wyoming, Laramie, USA)

GnRH Agonists and unexpected actions

10h00 **Valérie Simonneaux** (CNRS, Strasbourg, France)

Kisspeptins and RFRP-3 act in concert to synchronize reproduction with seasons

10h30 **Sue M Moenter** (University of Michigan, Ann Arbor, USA)

Regulation of gonadotropin-releasing hormone (GnRH) release

11h00 Coffee Break

11h15 **Vincent Prévot** (INSERM, Lille, France)

Preoptic Nitric Oxide synthesizing neurons: an interface between energy homeostasis and reproduction

11h45 **Jérôme Leprince** (INSERM, Rouen, France)

Agonist docking in a GPR103 homology model: site-directed mutagenesis and structure-activity relationship studies

12h15 **Isabelle Franceschini** (INRA, Nouzilly, France)

Development of kisspeptin neurons

12h45 Lunch

AFTERNOON SESSION. Chaired by **Philippe Bouchard** (Hôpital Saint Antoine, Paris)

14h00 **Massimiliano Beltramo** (INRA, Nouzilly, France)

New pharmacological tools to investigate kisspeptin action

14h30 **Allan E Herbison** (University of Otago, Dunedin, New Zealand)

The road to electrical recordings of GnRH neurons in vivo

15h00 **Nicolas de Roux** (INSERM, Paris, France)

Evidence that loss of function mutations of synaptic proteins cause complex syndromic hypogonadotropic hypogonadism

15h30 **Kei-ichiro Maeda** (University of Tokyo, Tokyo, Japan)

Energetic regulation of reproduction: an energy sensor in the brain

16h00 Coffee Break

16h15 **Marcel Amstalden** (Texas A&M University, College Station, USA)

Neuroendocrine programming of accelerated puberty

16h45 **Hiroko Tsukamura** (University of Nagoya, Nagoya, Japon)

Kisspeptin control of gonadotropin release

17h15-17h45 Perspectives by **Alain Caraty** (INRA, Nouzilly, France)

