

Listing of Journal Club Meetings:

8/31/07

Melissa Brayman

Cogliati T, Delgado-Romero P, Norwitz ER, Guduric-Fuchs J, Kaiser UB, Wray S, Kirsch IR. Pubertal impairment in Nhlh2<sup>null</sup> mice is associated with hypothalamic and pituitary deficiencies. Mol Endocrinol. 2007 Aug 23; [Epub ahead of print]

Kellie Breen Church

Jeong K-H, Bakowska JC, Song IO, Fu N, Breakefield XO, Kaiser UB 2007 Improvement in reproductive parameters in hypogonadal female mice by regulated gene replacement therapy in the central nervous system. Gene Therapy 14:1092-1101

9/28/07

Anita Iyer

Samuel Quaynor\*, Lian Hu\*, Po Ki Leung\*, Hao Feng, Nadia Mores, Lazar Z. Krsmanovic and Kevin J. Catt Expression of a Functional GPR54-Kisspeptin Autoregulatory System in Hypothalamic GnRH Neurons. Mol Endocrinol Epub ahead of print August 14, 2007

Varykina Thackray

Takanori Kowase, Heidi E. Walsh, Douglas S. Darling, Margaret A. Shupnik Estrogen Enhances GnRH-Stimulated Transcription of the LH Subunit Promoters via Altered Expression of Stimulatory and Suppressive Transcription Factors. Endocrinology Epub ahead of print September 6, 2007

1/25/08

Nichol Miller

Sheila M. Nielsen-Preiss, Melissa P. Allen, Mei Xu, Daniel A. Linseman, John E. Pawlowski, R. J. Bouchard, Brian C. Varnum, Kim A. Heidenreich, and Margaret E. Wierman Adhesion-Related Kinase Induction of Migration Requires Phosphatidylinositol-3-Kinase and Ras Stimulation of Rac Activity in Immortalized Gonadotropin-Releasing Hormone Neuronal Cells. Endocrinology 2007 148:2806–2814

Rachel Larder

David González-Martínez, Christelle De Mees, Quentin Douhard, Claude Szpirer, Julie Bakker. Absence of GnRH1 and Kiss1 activation in alpha-fetoprotein knockout mice: prenatal estrogens defeminize the potential to show preovulatory LH surges. Endocrinology. Epub ahead of print January 17, 2008

2/29/08

Minh-ha Do

Albina Jablonka-Shariff\*, Christopher A. Pearl\*, Anna Comstock and Irving Boime. A CARBOXYL-TERMINAL SEQUENCE IN THE LUTROPIN  $\beta$  SUBUNIT CONTRIBUTES TO THE SORTING OF LH TO THE REGULATED PATHWAY. JBC in Press. Epub February 21, 2008

3/21/08

Dan Clark

Catherine A. Christian and Suzanne M. Moenter. Vasoactive Intestinal Polypeptide Can

Excite Gonadotropin-Releasing Hormone Neurons in a Manner Dependent on Estradiol and Gated by Time of Day Endocrinology Epub ahead of print March 6, 2008

Sweta Sharma

Kristian L. Jones, Ashley Mansell, Shane Patella, Bernadette J. Scott, Mark P. Hedger, David M. de Kretser, David J. Phillips, Activin A is a critical component of the inflammatory response, and its binding protein, follistatin, reduces mortality in endotoxemia. PNAS 104:16239–16244

4/18/08

Kellie Breen Church

Eileen M. Foecking, Marta Szabo, Neena B. Schwartz, and Jon E. Levine.

Neuroendocrine Consequences of Prenatal Androgen Exposure in the Female Rat: Absence of Luteinizing Hormone Surges, Suppression of Progesterone Receptor Gene Expression, and Acceleration of the Gonadotropin-Releasing Hormone Pulse Generator. BIOLOGY OF REPRODUCTION 72, 1475–1483 (2005)

Djurdjica Coss

Takayuki Ohshima and Kunitada Shimotohno Transforming Growth Factor- $\beta$ -mediated Signaling via the p38 MAP Kinase Pathway Activates Smad-dependent Transcription through SUMO-1 Modification of Smad4. JBC 278:50833–50842, 2003

5/23/08

Denise Belsham

Fauquier, Rizzoti, Dattani, Lovell-Badge, Robinson. SOX2-expressing progenitor cells generate all of the major cell types in the adult mouse pituitary gland. Proc Natl Acad Sci USA. 2008 105:2907-12

Melissa Brayman

Wen JP, Lv WS, Yang J, Nie AF, Cheng XB, Yang Y, Ge Y, Li XY, Ning G. Globular adiponectin inhibits GnRH secretion from GT1-7 hypothalamic GnRH neurons by induction of hyperpolarization of membrane potential. Biochem Biophys Res Commun. 2008 May 6.

6/27/08

Anita Iyer

Wolfe A, Divall S, Singh SP, Nikrodhanond AA, Baria AT, Le WW, Hoffman GE, Radovick S. Temporal and Spatial Regulation of CRE Recombinase Expression in GnRH Neurons in the Mouse. J Neuroendocrinol. 2008 Apr 28; [Epub ahead of print]

Marcus Rosencrantz

Jain A, Polotsky AJ, Rochester D, Berga SL, Loucks T, Zeitlian G, Gibbs K, Polotsky HN, Feng S, Isaac B, Santoro N. Pulsatile luteinizing hormone amplitude and progesterone metabolite excretion are reduced in obese women. J Clin Endocrinol Metab. 2007 92:2468-73.

7/25/08

Rachel Larder

Falardeau J, Chung WC, Beenken A, Raivio T, Plummer L, Sidis Y, Jacobson-Dickman EE, Eliseenkova AV, Ma J, Dwyer A, Quinton R, Na S, Hall JE, Huot C, Alois N, Pearce SH, Cole LW, Hughes V, Mohammadi M, Tsai P, Pitteloud N. Decreased FGF8 signaling causes deficiency of gonadotropin-releasing hormone in humans and mice. *J Clin Invest*. 2008 Jul 1. [Epub ahead of print]

Alice Park

Sandhya Chhabra, Christopher R. McCartney, Richard Y. Yoo, Christine A. Eagleson, R. Jeffrey Chang, and John C. Marshall Progesterone Inhibition of the Hypothalamic Gonadotropin-Releasing Hormone Pulse Generator: Evidence for Varied Effects in Hyperandrogenemic Adolescent Girls. *The Journal of Clinical Endocrinology & Metabolism* 90(5):2810–2815

9/26/08

Debin Lan

Andrea W. Tu and Kunxin Luo, Acetylation of Smad2 by the Co-activator p300 Regulates Activin and Transforming Growth Factor beta Response, *JBC* 282, 21187–21196, 2007

Emily Rickert

Rakel Lo´pez de Maturana, Adam J. Pawson, Zhi-Liang Lu, Lindsay Davidson, Stuart Maudsley, Kevin Morgan, Simon P. Langdon, and Robert P. Millar, 2008. Gonadotropin-Releasing Hormone Analog Structural Determinants of Selectivity for Inhibition of Cell Growth: Support for the Concept of Ligand-Induced Selective Signaling. *Molecular Endocrinology* 22(7):1711–1722

10/17/08

Kenichi Inagaki

James S. Palmer, Zhen Zhen Zhao, Chantal Hoekstra, Nicholas K. Hayward, Penelope M. Webb, David C. Whiteman, Nicholas G. Martin, Dorret I. Boomsma, David L. Duffy, and Grant W. Montgomery 2006 Novel Variants in Growth Differentiation Factor 9 in Mothers of Dizygotic Twins. *The Journal of Clinical Endocrinology & Metabolism* 91(11):4713–4716

Kina Thackray

Shuping Wen,\* Ju¨rgen R. Schwarz,\* Dragos Niculescu, Crenguta Dinu, Christiane K. Bauer, Wiebke Hirdes, and Ulrich Boehm 2008 Functional Characterization of Genetically Labeled Gonadotropes. *Endocrinology* 149(6):2701–2711 and Michael A. Charles,y Amanda H. Mortensen,y Mary Anne Potok,y and Sally A. Camper. Pitx2 Deletion in Pituitary Gonadotropes is Compatible with Gonadal Development, Puberty, and Fertility. *Genesis* 0:1–8 (2008)

11/14/08

Emily Witham

R H Straub, L B Tanko, C Christiansen, P J Larsen and D S Jessop. Higher physical activity is associated with increased androgens, low interleukin 6 and less aortic calcification in peripheral obese elderly women. *Journal of Endocrinology* (2008) 199, 61–68

Dan Clark

Takahiro J. Nakamura, Michael T. Sellix, Michael Menaker, and Gene D. Block Estrogen directly modulates circadian rhythms of PER2 expression in the uterus. *Am J Physiol Endocrinol Metab* 295: E1025–E1031, 2008.

1/16/09

Heather Ely

Laura L. Burger, Daniel J. Haisenleder, Kevin W. Aylor, and John C. Marshall Regulation of Intracellular Signaling Cascades by GNRH Pulse Frequency in the Rat Pituitary: Roles for CaMK II, ERK, and JNK Activation *BIOLOGY OF REPRODUCTION* 79, 947–953 (2008)

Christine Glidewell-Kenny

Greg M. Anderson, Hana-Lee Relf, Mohammed Z. Rizwan, John J. Evans Central and peripheral effects of RFamide-related peptide-3 on LH and prolactin secretion in rats *Endocrinology*. First published ahead of print November 20, 2008 as doi:10.1210/en.2008-1359