

## **Reinhold J. Hutz**

### **Selected Recent Publications**

Shi FX, Mochida K, Ogura A, Matsuda J, Suzuki O, Watanabe G, Hutz RJ, Tsonis CG, Suzuki AK, Taya K. Follicle selection in cyclic guinea pigs with active immunization against inhibin alpha-subunit. *Life Sciences* 66:2489-2497, 2000.

Dasmahapatra AK, Wimpee BAB, Trewin AL, Hutz RJ. 2,3,7,8-tetrachlorodibenzo-*p*-dioxin increases steady-state ERbeta mRNA levels after CYP1A1 and CYP1B1 induction in rat granulosa cells *in vitro*. *Mol Cell Endocrinol* 182:39-48, 2001.

Dasmahapatra AK, Trewin AL, Hutz RJ. Estrous cycle-regulated expression of CYP1B1 mRNA in the rat ovary. *Comp. Bioch. Physiol. Part B, Bioch Molec Biol.* 133:127-134, 2002.

Baldrige MG, Stahl RL, Gerstenberger SL, Tripoli V, Hutz RJ. Modulation of ovarian follicle maturation in Long-Evans rats exposed to polychlorinated biphenyls *in utero* and lactationally. *Reprod Toxicol* 17:567-573, 2003.

Baldrige MG, Gerstenberger SL, Tripoli V, Stahl R, Hutz RJ. Modulation of ovarian follicle maturation in Long-Evans rats exposed to ammonium perchlorate in utero and lactationally. *Reprod Toxicol* 19:155-161, 2004.

Li X, Jiang Y, Wang Z, Kiu G, Hutz RJ, Xie Z, Shi FX. Regulation of FoxO1 transcription factor by nitric oxide and cyclic GMP in cultured rat granulosa cells. *Zoolog Sci*, 22:1339-1346, 2005.

Wang T, Huo YJ, Shi FX, Xu RJ, Hutz RJ. Effects of Intrauterine Growth Retardation on Development of the Gastrointestinal Tract in Neonatal Pigs. *Biol Neonate* 88:66-72, 2005.

King Heiden T, Hutz RJ, Carvan III MJ. Accumulation, tissue distribution, and maternal transfer of dietary 2,3,7,8-tetrachlorodibenzo-*p*-dioxin: impacts on reproductive success of zebrafish. *Toxicol Sci* 87:497-507, 2005.

King Heiden T, Carvan MJ III, Hutz RJ. Inhibition of follicular development, vitellogenesis, and serum 17beta estradiol concentrations in zebrafish following chronic, sublethal dietary exposure to 2,3,7,8-tetrachlorodibenzo-*p*-dioxin. *Toxicol Sci* 90:490-499, 2006.

Ho HM, Oshima K, Tompa D, Watanabe G, Taya K, Strawn EY, Rawlins RG, Hutz RJ. TCDD increases inhibin A production by human luteinized granulosa cells *in vitro*. *J Reprod Develop* 52:523-528, 2006 (also *NIH BioMed Central*).

Baldrige MG, Hutz RJ. Autoradiographic localization of aromatic hydrocarbon receptor (AHR) in rhesus monkey ovary. *Amer J Primatol* 2007 (in press).

Li X, Zhou Z, Jiang Y, Hutz RJ, Xie Z, Shi F. Regulation of phosphorylated FoxO1 protein levels by gonadotropin, nitric oxide and cyclic GMP in the ovary and cultured granulosa cells of the rat. *Jiangsu Journal* (submitted).

T. King Heiden, C. Struble, M. Hessner, R.J. Hutz, and M.J. Carvan, III. Molecular targets of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) within the zebrafish ovary: Insights into TCDD's reproductive toxicity. *BioMedCentral (BMC) Genomics* (submitted).

Trewin AL, Woller M, Ho HM, Hutz RJ. The pulsatile release of gonadotropin-releasing hormone from female rat hypothalamic explants is not altered by 2,3,7,8-tetrachlorodibenzo-*p*-dioxin. *J Reprod Develop* (submitted).

Hutz RJ, Baldrige MG, Carvan MJ, Chaffin CL, Conley LK, Dasmahapatra AK, Heimler H, Ho HH, King Heiden T, Liu Q, Veber R. Hutz RJ. Environmental toxicants (in particular TCDD) and effects on female reproductive function. *Trends in Reproductive Biology* (invited review, in preparation, expected, 2007).

September 23, 2006