

CURRICULUM VITAE

Teh-Yuan Ho, Ph.D.

Department of Animal Sciences
School of Environmental and Biological Sciences
Rutgers, The State University of New Jersey
Foran Hall, 59 Dudley Road, Rm 126
New Brunswick, NJ 08901-8525

Tel: 848-932-6328
Fax: 732-932-6996

teh@sebs.rutgers.edu
animalsciences.rutgers.edu

EDUCATION

1991	Ph.D., Plant Biology Rutgers University
1986	M.S., Biology University of Iowa
1979	B.S., Agronomy National Taiwan University

PROFESSIONAL POSITIONS

2013-Present	Research Associate Department of Animal Sciences, Rutgers University
2012	Visiting Scholar Institute of Molecular Biology, National Chung-Hsing University, Taichung, Taiwan
2011	Plant Biologist USDA, Center for Plant Health Science and Technology (CPHST)
2003-2011	Research Associate Department of Animal Sciences, Rutgers University
2002-2003	Research/Teaching Specialist School of Public Health, University of Medicine and Dentistry of New Jersey (UMDNJ)
1995-2000	Research/Teaching Specialist Department of Environmental and Community Medicine, UMDNJ
1994-1995	Research Scientist Department of Developmental Chemotherapy, Memorial Sloan-Kettering

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Cancer Center

- 1991-1993 Postdoctoral Research Fellow
Department of Pathology, Fox Chase Cancer Center
- 1986-1991 Teaching Assistant
Department of Biochemistry and Microbiology, Rutgers University
- 1983-1986 Teaching Assistant
Department of Biology, The University of Iowa

PUBLICATIONS

1. Bagnell, C., **Ho, TY.**, George, A., Wiley, A.A., Miller, D., Bartol, F. (2017) Maternal Lactocrine Programming of Porcine Reproductive Tract Development. *Mol Reprod Dev.* 84:957-968.
2. **Ho, TY.**, Rahman, K M., Camp M E., Wiley, A A., Bartol, F F., Bagnell C. (2016) Timing and duration of nursing from birth affect neonatal porcine uterine matrix metalloproteinase 9 and tissue inhibitor of metalloproteinase 1. *Domest Anim Endocrinol.* 59:1-10.
3. Wang, J D., Lo, S F., Li, Y S., Li, P J., Lin, S Y., **Ho, T Y.**, Lin, J H., Chen, L J. (2013) Ectopic expression of OsMADS45 activates the upstream genes Hd3a and RFT1 at an early development stage causing early flowering in rice. *Botanical Studies.* 54:12-25.
4. Bagnell CA, Santora K, **Ho TY.** (2013) Anti-arthritis actions of relaxin, in combination with estrogens, in joint and bone tissue. *Ital J Anat Embryol.* 118 (1 Suppl):60-1.
5. Frankshun, AL., Chen, J., Barron, LA., **Ho, TY.**, Miller, DJ., Rahman, KM., Bartol, FF., Bagnell, CA. (2012) Nursing during the first two days of life is essential for the expression of proteins important for growth and remodeling of the neonatal porcine cervix. *Endocrinology.* 153:4511-4521.
6. **Ho, TY.**, Santora, K., Chen, JC., Frankshun, A., Bagnell, C. (2011) Protective effect of relaxin on bone destruction in the rat adjuvant-induced model of arthritis. *Bone.* 48:1346-1353.
7. Chen, JC., Frankshun, AL., Reimer, C., Wiley, AA., Miller, DJ., Welch, KA., **Ho, TY.**, Bartol, FF., Bagnell, CA. (2011) Milk-borne lactocrine-acting factors affect gene expression patterns in the developing neonatal porcine uterus. *Reproduction.* 141:675-683.
8. Frankshun, AL., **Ho, TY.**, Reimer, C., Chen, J., Lasano, S., Steinetz, B., Bartol, FF., Bagnell, CA. (2011) Characterization and biological activity of relaxin in porcine milk. *Reproduction.* 141:373-380.
9. Chen, JC., Wiley, AA., **Ho, TY.**, Hord, MK., Frankshun, A., Bartol, FF., Bagnell, C. (2010) Transient estrogen exposure from birth affects uterine expression of developmental markers in neonatal gilts with lasting consequences in pregnant adults. *Reproduction.* 139:623-630.
10. **Ho, TY.**, Bagnell, C. (2007) Relaxin-induced matrix metalloproteinase-9 expression is associated with the activation of the NF- κ B pathway in human THP-1 cells. *J Leukoc Biol.* 81:1303-1310.

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11. Pu, D., **Ho, T.Y.**, Desaid, D., Kapoian, T., Cowen, D., Lianose, A. (2005) Mesangial cell apoptosis induced by stimulation of the adenosine A³ receptor: Signaling and apoptotic events. *J Inv. Med.* 53:37-43.
12. **Ho, T.Y.**, Bagnell, C. (2005) Relaxin induces matrix metalloproteinase-9 through activation of nuclear factor kappa B in human THP-1 cells. *Ann. N.Y. Acad. Sci.* 1041:314-316.
13. **Ho, T.Y.**, Witz, G. (1997) Increased gene expression in human promyeloid leukemia cells exposed to trans, trans- muconaldehyde, a toxic benzene metabolite. *Carcinogenesis*. 18:739-744.
14. Zhang, P.Z., Chai, Y.L., **Ho, T.Y.**, Calaf, G., Russo, J. (1995) Activation of c-myc, c-neu and int-2 oncogenes in the transformation of the human breast epithelial cell line, MCF-10F treated with chemical carcinogens in vitro. *Intl J. Oncol.* 6:963-968.
15. Alvarado, M.E., **Ho, T.Y.**, Russo, I.H., Russo, J. (1995) Human chorionic gonadotropin (hCG) regulates the synthesis of inhibin in the ovary and mammary gland of rat. *Endocrine*. 2:1107-1114.
16. **Ho, T.Y.**, Russo, J., Russo, I.H. (1994) Polypeptide pattern of human breast cancer cells following hCG treatment. *Electrophoresis*. 15:746-750.
17. **Ho, T.Y.**, Mishkind, M. (1991) The influence of water deficits on mRNA levels in tomato. *Plant, Cell and Environment*. 14: 67-75.
18. **Ho, T.Y.**, Mishkind, M. (1988) Changes in gene expression induced by water deficits in tomato. *Plant Physiol.* 86:88.