

CURRICULUM VITAE

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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-arthritic 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.