

# Curriculum Vitae

Xiaofei Wang, Ph.D.

**Title** Professor  
Department of Biological Sciences  
Tennessee State University

**Address** 3500 John A. Merritt Blvd  
Nashville, TN 37209  
Email: [xwang@tnstate.edu](mailto:xwang@tnstate.edu)  
Phone: 615 963 2541

## Education

1995-1999 Ph.D. in Zoology within the field of Molecular Biology,  
University of Hong Kong, HKSAR

1984-1987 M. S. in Zoology specialized in Cytogenetics  
Sichuan University, Chengdu, Sichuan, China

1979-1983 B. S. in Zoology  
Sichuan University, Chengdu, Sichuan, China

## Professional Appointment

2016-present Professor, Department of Biological Sciences, Tennessee State University

2015-present Adjunct Associate Professor, Department of Cancer Biology, Vanderbilt University

2010-2016 Associate Professor, Department of Biological Sciences, *Tennessee State University*

2004-2010 Assistant Professor, Department of Biological Sciences, *Tennessee State University*

2002-2004 Research Associate III, Department of Animal and Food Sciences, *University of Delaware*

1999-2002 Limited Term Researcher, Department of Animal and Food Sciences. *University of Delaware*

1995-1999 Demonstrator, Department of Zoology, *The University of Hong Kong*, Hong Kong SAR, China

1994-1995 Associate Professor, *Sichuan University*, China

---

1989-1994	Lecturer, Department of Biology, <i>Sichuan University</i> , China
1987-1989	Instructor, Department of Biology, <i>Sichuan University</i> , China

### Honors

1993, Achievement in Science and Technology Award, Sichuan Province, China

1992, Excellence in Teaching Award, Sichuan University, China

### Research Grants

- 2017 Meharry-VICC-TSU Cancer Alliance (subproject), Ikaros in prostate cancer
- 2015 Tennessee State University, Optimization of protocols for mapping of DNase hypersensitivity sites to identify Regulatory DNA elements, Wang, X (PI)
- 2015 TLSAMP Project: TLSAMP Summer Research Experience in China (PI)
- 2014-2016 NIH, Microbiome and lung cancer risk – a pilot study (subcontract PI)
- 2014-2016 USDA Evans-Allen (1002571): Development of Genotyping by Sequencing Assay to Study Chicken Fat Deposition (PI)
- 2011-2015 USDA (2011-38821-31025): Integrated evaluation of genetic variations in broiler chickens (PI)
- 2011-2014 NSF Targeted Infusion Grant (1137484): Development of an Undergraduate Bioinformatics Program for Enhancing Research and Education at Tennessee State University (as Key Personnel. Sekmen PI)
- 2011-2015 NIH MARC: Development of bioinformatics program at Tennessee State University (as Key Personnel. Terrance Johnson PI)
- 2008-2011 USDA (2008-38814-04728): A genomic and proteomic search for segregating adipose genes in broilers (PI)
- 2009-2013 NSF URM: Enhancing Minority Undergraduate Student Research Experiences in Ecology and Environmental Science (as personnel, Hui PI)
- 2008-2009 Tennessee State University Faculty Research Initiative, Gene copy number variation in the chickens (PI)
- 2007-2009 USDA Evans-Allen (TENX-0710-AALT1), Management strategies to improve guinea fowl production (Co-PI)
- 2007-2009 USDA Evans-Allen (TENX-0711-AALT1), Management strategies to improve meat goat production (Co-PI)

- 2004-2008 NIH (P20MD000261), High throughput analysis of light induced pineal genes. (Subproject PI, Newkirk PI)
- 1992-1995 National Science Foundation of China, Identification of amphibian sex chromosomes (PI)
- 1992-1994 Sichuan Province Research, Optimization of parameters for freezing and thawing of hamster oocytes applied to human semen fertility test (Co-PI, XZ Wang PI)
- 1991-1992 Sichuan University Faculty Development, Production of targeted radioisotope  $^{211}\text{At}$  (PI)
- 1990-1992 National Science Foundation of China, Production and therapeutic analysis of radioactive astatine conjugated antibody against heptanoma (M Zhou PI)

### Professional Society Memberships

Poultry Science Association

The Society for Neuroscience

### Peer Viewed Papers

1. Resnyk, C. W., Carré, W., **Wang, X.**, Porter, T. E., Simon, J., Le Bihan-Duval, E., Duclos, M. J., Aggrey, S. E. and Cogburn, L. A.. 2017. Transcriptional analysis of abdominal fat in chickens divergently selected on bodyweight at two ages reveals novel mechanisms controlling adiposity: validating visceral adipose tissue as a dynamic endocrine and metabolic organ. *BMC Genomics* 2017 **18**:626
2. Byers, M.S., Howard, C., **Wang, X.** 2017. Avian and Mammalian Facilitative Glucose Transporters. *Microarrays*, 6: 7.
3. Payne, A., **Wang, X.**, Ivy, M., Stewart-Bohannon, A., Nelson, K., Darris, C., Nahashon, SN. 2016. Lysine mediation of neuroendocrine food regulation in guinea fowl. *Poultry Science* 95(2):276-86, *doi:10.3382/ps/pev326*.
4. Darris, CE., Tyus J. II, Kelley, G., Alexander J. Ropelewski, R. J., Nicholas, H., **Wang, X.**, and Nahashon, SN. 2015. Molecular tools to support metabolic and immune function research in the Guinea Fowl (*Numida meleagris*). *BMC Genomics* 16 (1): 358
5. Wallace, T., Sekmen, A., **Wang, X.**, 2015. Application of subspace clustering in DNA sequence analysis. *Journal of Computational Biology* 22(10): 940-952
6. **Wang\***, X., Byers, S., 2014. Copy number variation in chickens: a review and prospects. *Microarrays* 3(1) 24-38. <http://www.mdpi.com/2076-3905/3/1/24>

7. Stewart, A., Kelley, G., Kimathi, B., Subramanya, SHKV., Donker, J., Darris, C., Tyus, J., Payne, A., Byers, S., Hui, D., Nahashon, S., Chen, FC., Ivy, M. and **Wang\*, X.**, 2014. Expression of potential regulatory genes in abdominal adipose tissue of broiler chickens during early development. *Genetics Research International*. 2014, Article ID 318304, <http://www.hindawi.com/journals/gri/2014/318304/>
8. Resnyk CW, Carré W, **Wang X**, Porter TE, Simon J, Le Bihan-Duval E, Duclos MJ, Aggrey SE, Cogburn LA., 2013. Transcriptional analysis of abdominal fat in genetically fat and lean chickens reveals adipokines, lipogenic genes and a link between hemostasis and leanness. *BMC Genomics* 16; 14:557. doi: 10.1186/1471-2164-14-557
9. Dudimah F. D., Abraha A, **Wang X**, Whalen M. M., 2010. Activation of p44/42 in human natural killer cells decreases cell-surface protein expression: Relationship to tributyltin-induced alterations of protein expression. *Toxicol Mech Methods* 20:544-55.
10. Dudimah F. D., Griffey D., **Wang X.**, and Whalen M. M., 2010. Activation of p44/42 MAPK plays a role in the TBT-induced loss of human natural killer (NK) cell function. *Cell Biol Toxicol* 26:435-44.
11. **Wang, X.**, Nahashon S., Feaster T. K., Bohannon-Stewart A. and Adefope N., 2010. An initial map of chromosomal segmental copy number variations in the chicken. *BMC Genomics* 11:351
12. **Wang, X.**, Newkirk R. F., Carre W., Ghose P., Igbudia B., Townsel J. G., Cogburn L. A., 2009. Regulation of ANKRD9 expression by lipid metabolic perturbations. *BMB Reports* 42: 568-573
13. **Wang X.**, Carre W., Saxton A. M., Cogburn L. A., 2007. Manipulation of thyroid status and/or GH injection alters hepatic gene expression in the juvenile chicken. *Cytogenet Genom Res* 117:174-188.
14. Li, J., **Wang X.**, Leung F. C., 2007. The intragenomic polymorphism of a partially inverted repeat (PIR) in *Gallus gallus domesticus*, potential role of inverted repeats in satellite DNAs evolution. *Gene* 387: 118-125.
15. Carre, W., **Wang X.**, Porter T. E., Nys Y., Tang J., Bernberg E., Morgan R., Burnside J., Aggrey S. E., Simon J. and Cogburn L. A., 2006. Chicken genomic resources: sequencing and annotation of 37,557 ESTs from single and multiple Tissue cDNA libraries and CAP3 assembly of a chicken gene index. *Physiol Genom* 25:514-24.
16. Elalestad L.E., Carre W., Muchow M., Jenkins S. A., **Wang X.**, Cogburn L. A., Porter T. E., 2006. Gene expression profiling during cellular differentiation in the embryonic pituitary gland using cDNA microarrays. *Physiol Genom* 25:414-25.
17. **Wang, X.**, Carre W., Zhou H., Lamont S. J. and Cogburn L. A., 2004. Duplicated Spot 14 Genes in the Chicken: Characterization and identification of polymorphisms associated with abdominal fat deposition. *Gene* 332:79-88.

18. Cogburn, L. A., **Wang X.**, Carre W., Rejto L., Aggrey S. E., Duclos M., Simon J. and Porter T. E., 2004. Functional genomics in chickens: Development of integrated-systems microarrays for transcriptional profiling and discovery of regulatory genes. *Comp Funct Genom* 5: 253-261.
19. Cogburn, L.A., **Wang X.**, Carre W., Rejto L., Porter T. E., Aggrey S. E. and Simon J., 2003. Systems-wide chicken DNA microarrays, gene expression profiling and discovery of functional genes. *Poult Sci* 82: 939-951.
20. **Wang, X.**, Li J., Leung F.C., 2002. Partial inverted tandem repeat isolated from pericentric region of chicken chromosome 8. *Chromosome Res* 10: 73-82.
21. Wang, Y., **Wang X.**, Wang X. Z., Li J., Wang Z. S. And Chen W. Y., 2000. High-resolution late replication banding pattern of chromosome in *Rana cataebeiiana*. *Acta-Zoologica-Sinica*. 46 (1): 115-119 (in Chinese).
22. Wang, X. and Leung F. C., 1998. A novel repeated DNA sequence located at the centromere of chicken chromosome 8. **Journal of Sichuan University Natural Sciences Edition**. 35(S):239-241.
23. **Wang, X.**, Leung F. C., 1998. Molecular cloning and characterization of a novel tandemly repeated DNA in *Gallus domesticus*. *Proceedings of the 6th World Congress on Genetics Applied To Livestock Production*. 24:377-380.
24. Wang, Y., and **X.Wang**, 1997. Chromosome homology between *Bufo gargarizans* and *B. raddei*. *Zool. Res*. 18: 415-419.
25. **Wang, X.**, Wang Y., Wang X.-Z., Fang Z., 1996. Chromosome banding research in the *Rana boulengeri*. *Journal of Sichuan University (Natural Science Edition)*. 33 (Biology Special Issue): 91-95.
26. Wang, Y., **Wang, X.**, Wang, X. Z., Li, J., Chen, W. Y., 1996. *Bufo gargarizans* chromosome banding research. *Journal of Sichuan University (Natural Science Edition)* 33 (Biology Special Issue): 85-90.
27. **Wang, X.**, Song, Z., and Fang, Z., 1996. The Karyotype and taxonomy of tetraploid toad distributed in Xinjiang China. *Journal of Sichuan University (Natural Science Edition)* 33 (Biology Special Issue): 96-100.
28. **Wang, X.**, 1992. The targeted effect of At211---conjugated anti-hepatoma monoclonal antibody on the growth of MGC-802 cell line. In Proceedings of China Youth Scientists Association. Chengdu University of Science and Technology Press. pp. 192-194.
29. **Wang, X.**, Wang, Z., Wang, X. Z., Chen, W.Y., 1989. A comparative study on banded karyotypes of two varieties of pig. *Heredity* (Beijing) 11: 16-19.

## Book Chapters

1. Wang, X., W. Carre, L. Rejto and LA Cogburn, (2005) Transcriptional profiling in liver of hormonally-manipulated chickens. In A Dawson and PJ Sharp (eds) "Functional Avian Endocrinology" Narosa Publishing House, New Delhi, India. pp27-44
2. Wang, X., 1995. MTT colorimetric assay applied to detect the influence of chemical and physical factors on cell growth. In: H.M. Yang (eds) "Method in Cell Biology" pp. 236. Higher Education Press (in Chinese).

### Abstracts (partial list)

1. X. Wang\*, A. Ropelewski, N. Cook, A. Bohannon-Stewart, S. Nahashon. Reduced cell cycle gene expression in adipose tissue of chickens during juvenile development. 35<sup>th</sup> International Society for Animal Genetics Conference, July 23-27, 2016, Salt lake City, UT.
2. Xiaofei Wang Alexander Ropelewski, Ann Bohannon-Stewart Samuel Nahashon, Fur-Chi Chen, Hugh Nicholas. Transcriptome of Adipose Tissue during Early Development of Broiler Chickens. International Plant and Animal Genome Conference, January 11-15, 2014, San Diego, CA, USA.
3. Stewart, A. Kelley, G., Donkor, J., Kimathi, B., Wang, X., Developmental and dietary regulation of TNC, COL3A1 and EPHB2 expression in adipose tissue of broiler chickens. *Poult Sci* 92(E-Suppl. 1):103. Poultry Sciences Association Annual Meeting, San Diego, CA, Jul 22-25, 2013
4. Bohannon-Stewart, Ann,\* Gary Kelley, Joseph Donkor, Boniface Kimathi, Carl Darris, James Tyus, Breyonna Jarrett, Rhia Nelson, Shatira Wilson, Samuel Nahashon, Xiaofei Wang; Effect of dietary caloric concentration on regulators of fat deposition in broiler chickens. Advisors, Samuel Nahashon and Dr. Xiaofei Wang. College of Agriculture, Human and Natural Sciences. March 26-30. 2012. Tennessee State University
5. Bohannon-Stewart Ann,\* Xiaofei Wang, Advisor, Xiaofei Wang. Identification of single-nucleotide polymorphisms in promoter regions of genes *fgfr3*, *grem1*, *ccl4*, and *igfbp2* in chickens. March 26-30. 2012. Tennessee State University
6. Kelley, G., A. Stewart, X. Wang, F. Chen, and S. Nahashon. Identification of key proteins associated with fat accretion in broiler chickens using a proteomic approach. *Association of Research Directors Conference Abstracts*, pp176. Atlanta, Georgia, April 9-13. 2011
7. Wang, X., Bohannon-Stewart, AL, Chen, FC., Kelley GD., Nahashon, S. 2011. Transcriptome of abdominal adipose tissue in fat and lean chickens. [Plant and Animal Genome XIX Conference](#), January 15-19, 2011, Town & Country Convention Center, San Diego, CA.
8. Wang, X., Chen, F.-C. Steward A., Kelley, G., Zhou, H., Cheng, H. H., Nahashon, S. 2011. Potential candidate genes for fat deposition revealed by transcriptome and proteome analysis. [Poultry Sci, 90 \(E-Suppl 1\): 178-179](#). Poultry Science Association 100<sup>th</sup> Annual Meeting, July 17-19, 2011, St. Louis, Missouri.

9. Kelley, G., Nahashon, S., Wang, X., Chen, F., and Stewart-Bohannon, A. Variations in the proteome and metabolic profiles of broiler during adipose tissue accretion. *Poultry Sci*, 90 (E-Suppl 1): 124-125. Poultry Science Association 100<sup>th</sup> Annual Meeting, July 17-19, 2011, St. Louis, Missouri.
10. Mahautmr, K., Liu, L., Ghose, P., Newkirk, R. F., Townsel, J. G., **Wang, X.**, Gene expression response to light exposure in subjective dawn and dusk in the pineal gland. Neuroscience Annual Meeting, Atlanta, GA, Oct 14-18, 2006.
11. Trakooljul, N., W. Carre, X. Wang, R.J. Tempelman, M. Duclos and J. Simon, T. E. Porter and L.A. Cogburn, 2006. Transcriptional analysis of the liver in juvenile broiler chickens divergently selected for high or low body weight. Poultry Science Association, Annual Meeting, Edmonton, Alberta, Canada, July 16-19, 2006.
12. Aggrey, A. E., W. Carre , **X. Wang**, F. Pitel, A. Vignal, E. L. Bihan-Duval, C. Beaumont, M. Duclos, T. E. Porter, J. Simon, L. A. Cogburn, 2005. Mapping of quantitative trait loci for fatness and breast meat yield in a novel resource population of broiler chickens. Plant & Animal Genomes XIII Conference (Abstract), January 15-19, 2005, San Diego, CA. ([http://www.intl-pag.org/pag/13/abstracts/PAG13\\_P553.html](http://www.intl-pag.org/pag/13/abstracts/PAG13_P553.html))
13. Cogburn, L. A., W. Carre, **X. Wang**, L. Rejto, M. Duclos, J. Simon, 2005. Gene expression profiles in liver and abdominal fat during development of broiler chickens selected for either high or low body weight. Gene expression profiles in liver and abdominal fat during development of broiler chickens divergently selected for either high or low body weight. Plant & Animal Genomes XIII Conference (Abstract), January 15-19, 2005, San Diego, CA. ([http://www.intl-pag.org/pag/13/abstracts/PAG13\\_P553.html](http://www.intl-pag.org/pag/13/abstracts/PAG13_P553.html))
14. Aggrey, S. E., **X. Wang**, W. Carre and L. A. Cogburn 2004. Candidate genes for fatness: spot14 and growth hormone receptor genes. World Poultry Congress June 8-13, Istanbul
15. Duclos, M. J. W. Carre, **X. Wang**, L. Rejto, J. Simon, L. A. Cogburn, 2004. Nutritional regulation of gene transcription in chicken liver: First observations from analysis with high density liver-specific microarrays. World Poultry Congress June 8-13, Istanbul. Turkey.
16. Burnside, J., A Cogburn, **X. Wang**, W. Carre, L. A. Cogburn, 2004. UD chickEST database and functional genomics: applications to studies on gene expression in normal and sex-linked dwarf chicks. Eighth International Symposium on Avian Endocrinology. June 6-11, 2004. Scottsdale, Arizona.
17. **Wang, X.**, W Carre, H Zhou, S. J. Lamont and L. A. Cogburn, 2004. Characterization of duplicated chicken Spot 14 gene linkage with abdominal fat deposition. Plant & Animal Genomes XII Conference, P890. January 11-15, 2004, San Diego, CA.
18. Duclos M.J., W. Carre, **X. Wang**, L. Rejto, J. Simon and L. A. Cogburn, 2004. Nutritional regulation of gene expression in chicken liver during fasting and re-feeding. Plant & Animal Genomes XII Conference, P889. January 11-15, 2004, San Diego, CA.
19. Porter, T.P., L. Ellestad, W. Carre, X. Wang, M. Muchow, L. A. Cogburn, 2004. Global gene expression profiling of the chicken neuroendocrine system using tissue



- specific cDNA Microarrays. Plant & Animal Genomes XII Conference, W219. January 11-15, 2004, San Diego, CA
20. Wang, X., W. Carre, L. Rejto and L. A. Cogburn, 2003. Microarray analysis of hepatic gene expression in broiler chickens treated chronically with thyroid hormone and/or chicken growth hormone. Plant & Animal Genomes XI Conference (Abstract), January 11-15, 2003, San Diego, CA ([http://www.intl-pag.org/11/abstracts/P01\\_P61\\_XI.html](http://www.intl-pag.org/11/abstracts/P01_P61_XI.html)).
  21. Carre, W., X. Wang, Y. Niu, G-R. Gao and L. A. Cogburn, 2003. The chicken gene index: cap3 sequence assembly and application in functional avian genomics. Plant & Animal Genomes XI Conference (Abstract), January 11-15, 2003, San Diego, CA ([http://www.intl-pag.org/11/abstracts/P01\\_P61\\_XI.html](http://www.intl-pag.org/11/abstracts/P01_P61_XI.html)).
  22. Glass, B., X. Wang, W. Carre, L. Rejto and L. A. Cogburn. 2003. DNA microarray analysis of liver genes during the metabolic jump from choriollantoic to pulmonary respiration. Plant & Animal Genomes XI Conference (Abstract), January 11-15, 2003, San Diego, CA ([http://www.intl-pag.org/11/abstracts/P7b\\_P789\\_XI.html](http://www.intl-pag.org/11/abstracts/P7b_P789_XI.html)).
  23. Porter, T. E., L. Ellestad, W. Carre , S. A. Jenkins, X. Wang, M. Muchow, C. Cunningham, L. A. Cogburn 2003. Analysis of Global Gene Expression with a Chick Neuroendocrine System cDNA Microarray. *The Endocrine Society's 85<sup>th</sup> Annual Meeting* (Abstract).
  24. Wang, X., W. Carre, L. Rejto and L. A. Cogburn. 2002. Global gene expression profiling in liver of thyroid manipulated and/or growth hormone (GH) injected broiler chickens. *Poult. Sci.* 81 (Suppl. 1):63.(<http://www.poultryscience.org/meet/91st/psabs23.pdf>).
  25. Coburn, L. A., X. Wang, W. Carre, T. E. Porter, S. Aggrey, and J. Simon, 2002. System-wide chicken DNA chip, gene expression profiling and discover of functional genes. *Poult. Sci.* 81 (Suppl. 1): 2. (<http://www.poultryscience.org/meet/91st/psabs1.pdf>)
  26. Glass, B., X. Wang, W. Carre, L. Rejto and L. A. Cogburn. 2002. DNA microarray analysis of liver genes during the metabolic jump from choriollantoic to pulmonary respiration. *Poult. Sci.* 81 (Suppl. 1): 31. <http://www.poultryscience.org/meet/91st/psabs11.pdf>.
  27. Porter, T. E., X. Wang, W. Carre and L. A. Cogburn. 2002. Expressed sequence tags (ESTs) from a chicken neuroendocrine system. *Poult Sci* 81 (Suppl. 1): 36. (<http://www.poultryscience.org/meet/91st/psabs13.pdf>).
  28. Li, J., X. Wang and F. C. Leung, 2000. Molecular cloning and characterization of a novel repetitive DNA family from the chicken. *Poult Sci* 79 (Suppl. 1):10. (<http://www.poultryscience.org/ps/abs/00/PSABS00.PDF>).
  29. Wang, X., L. Li, J. Tang and L. A. Cogburn, 2001. Alternative splicing and 5'-UTR usage in growth hormone receptor transcripts expressed in chicken tissue. *The Endocrine Society's 83<sup>rd</sup> Annual Meeting* (abstract) p178.
  30. Tang, J., X. Wang, M. Edery, J. A. Proudman and L. A. Cogburn, 2001. Photoperiodic regulation of prolactin receptor gene expression in the chicken testis. *The Endocrine Society's 83<sup>rd</sup> Annual Meeting* (abstract) p340.

### Invited Presentations



Insight into Adipose Tissue Biology through Transcriptome Analysis. International Forum on Frontiers of Biology, Sichuan University, Chengdu, China, 7/7/2014,

High-throughput analysis of genome structure and gene expression. Nov, 2008. Department of Biological Sciences, TSU

Characterization of a novel gene ANKRD9 that may participate in lipid metabolism. Feb13, 2007. Meharry Medical College

### Courses

BIOL-2120	Principles of Genetics
BIOL 4110	Molecular Genetics
BIOL-4112	Bioinformatics (New Course)
COMP3112	Intro to Bioinformatics (New Course)
COMP3113	Intro to Bioinformatics Lab (New Course)
BIOL-4113	Bioinformatics Laboratory (New Course)
BIOL-5110	Research in Biology (Graduate student rotation)
BIOL-6110	Individual Research
BIOL-6150	Genomics (New Course Developed)
BIOL-4170	Senior Seminar I
BIOL-4180	Senior Seminar II
BIOL-8110	Dissertation Research

### Graduate Student (serve as research mentor/adviser)

Shruti Luhach (2017)

Tiara Smith

Roba

Manal Alsaedi

Nicholas Cook

Shannon Byers (MS, PhD)

Duaa Babaer

Azzah Baashirah

Eilaf Alqureish

Ghadah Yousuf

Albatoal Alhathl

Yosra Modafar (MS, PhD)

Ann Stewart (PhD. 2010-2014)

Kontip Mahatmr,

Tromondae Feaster

Emenike Okafor

### Graduate Dissertation Committee Member

#### PhD Student

Timothy Wallace (Comp Sci, 2015)

Ann Stewart (defended 2014)

Joseph Donkor



Animal breeding, genetics and genomics (2011, 2013),  
 CBG research panel (2014),  
 CBG education/extension panel, 2014)

**Ad hoc Reviewer** for the following academic journals (partial list):

Peptide (2017)

Journal of Experimental Pharmacology	Genome
Biotechnology	BMC genomics
PLOS One	Animal Genetics
G3	Poultry Science
Domestic Animal Endocrinology	Annual Review of Research in Biology
Oncotarget	Journal of World Aquaculture Society
International Journal of Molecular Sciences	
Asian Journal of Agricultural Extension Economics and Sociology,	

**Editorial Board Member:**

Current research in Poultry Sciences,  
 Journal of Molecular and Cellular Biology Forecast

**Faculty Search Committee**

Served as committee member in search for 6 faculty positions (5 positions were filled as a results of the search. Screened through 170 applicants

Chair, search committee for Department chair

**Other committee work**

Committee member for tenure and promotion for the department of Agricultural Sciences (2014-2017), Department of Biological Sciences (2012), College of life and physical sciences (2015-current).

**Master of Science in Biology Evaluation Committee (2013)**

**Book Review**

Principles of Genetics, by Snustad and Simmons, 4<sup>th</sup> ed, Willey.  
 Bioinformatics (University of Oxford Press)  
 Concepts in Bioinformatics and Genomics (Oxford University Press)

**Community Service**

Judge: TSU 29<sup>th</sup> Annual Research Symposium

Judge: TSU 31<sup>st</sup> Annual Research Symposium  
Judge, Metro Nashville School District Science Fair  
Metro school science fair judge (Rose Park middle school)

**Professional Development**

Participated in Nimbios Workshop at the University of Tennessee, July 5-9, 2010.  
Participated in NSF grant writing work shop, held at Double tree hotel, Memphis, Feb 2005  
Participated in NIH MARC grant writing workshop, University of Kentucky, May 2007  
Participated in NSF grant writing workshop. Nov. 14-15, 2008. Washington, DC  
Participated in MARC Bioinformatics course development workshops, Pittsburgh Supercomputing Center, July 2006, July 2008, July 2009  
Participated in Computation Biology Curriculum Development Tutorial, University of Tennessee Knoxville, June 6-9, 2010  
IACUC training.