

# Jiangang Chen, PhD

## Curriculum Vitae

Department of Public Health, The University of Tennessee  
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### EDUCATION

Degree	Institution and Major	Year
Doctor of Philosophy	University of California, Davis, California Comparative Pathology	2003
Master of Medicine	Beijing Medical University, Beijing, P.R. China Epidemiology	1996
Bachelor of Medicine	Beijing Medical University, Beijing, P.R. China Preventive Medicine	1993

### PROFESSIONAL EXPERIENCE

Years	Position and Employment
08/2016-present	<b>Associate Professor</b> Department of Public Health, College of Education, Health, & Human Sciences The University of Tennessee, Knoxville
2010-2016	<b>Assistant Professor</b> Department of Public Health, College of Education, Health, & Human Sciences The University of Tennessee, Knoxville
2013-present	<b>Adjunct Assistant Professor</b> Comparative and Experimental Medicine Program College of Veterinary Medicine, The University of Tennessee, Knoxville
2013-present	<b>Adjunct Assistant Professor</b> Institute of Biomedical Engineering The University of Tennessee, Knoxville
2013-present	<b>Adjunct Assistant Professor</b> Department of Nutrition, College of Education, Health, & Human Sciences The University of Tennessee, Knoxville
02/2010-07/2010	<b>Assistant Research Professor</b> Department of Nutrition, College of Education, Health, & Human Sciences The University of Tennessee, Knoxville
2004-01/2010	<b>Research Scientist</b> Center for Health and the Environment University of California, Davis

### Position and Employment (continued)

2003-2004	<b>Postdoctoral Fellow</b> Center for Health and the Environment University of California, Davis
1996-1997	<b>Lecturer</b> School of Public Health Department of Epidemiology Beijing Medical University, P.R. China

### HONORS AND AWARDS

	<b>Years</b>
The Environmental Leadership Award	2016
Frances Speight Clark Faculty Enrichment and Development Award	2106
Professional Development Award, The University of Tennessee, Knoxville	2014
Faculty of 1000 Travel Award	2014
Professional Development Award, The University of Tennessee, Knoxville	2012
Endocrine Society Travel Award for Outstanding Abstract	2005
Allen G. Marr Prize Distinguished Dissertation Award Nominee, University of California, Davis	2003
NIEHS Superfund Basic Research Program (SBRP) Annual National Meeting Travel Award	2003
Merck & Co., Inc. Society of Toxicology Annual Meeting Travel Award	2002
George H. Stabenfeldt Graduate Student Travel Award, University of California, Davis	2002
NIEHS Superfund Basic Research Program (SBRP) Annual National Meeting Travel Award	2002
NIEHS/UC Davis Superfund Basic Research and Training Program Pre-Doctoral Fellowship	1999-2003
Outstanding Graduate Student of Beijing Medical University, P.R. China	1995
Beijing Medical University Research Fellowship, P.R. China	1994-1995

### PROFESSIONAL AFFILIATIONS (Membership)

Endocrine Society	2002-present
Tennessee Public Health Association	2010-present
Society for Study of Reproduction	2007-2009
Society of Toxicology	2002-2005

### AD HOC REVIEWER FOR REFEREED JOURNALS

Biomed Central (BMC) Microbiology	2014-present
Environmental Health Perspectives	2018-present

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**Ad hoc Reviewer for Refereed Journals (continued)**

Environmental Toxicology	2014-present
Experimental Biology and Medicine	2014-present
International Journal of Environmental Research and Public Health	2014-present
Journal of Environmental Health	2012-present
Journal of Birth Defects Research: Part B (Developmental and Reproductive Toxicology)	2009-present
Journal of Visualized Experiments	2014-present
Journal of Hazardous Materials	2015-present
Molecular and Cellular Endocrinology	2014-present
Proceedings of the National Conferences on Undergraduate Research	2015-present
PLOS One	2015-present
Tobacco Control and Prevention	2016-present
Toxicology and Applied Pharmacology	2014-present
Toxics	2016-present

**RESEARCH/FELLOWSHIP REVIEW ACTIVITIES**

National Institutes of Health (NIH)	2015
<i>Centers for Children's Environmental Health and Disease Prevention, Review Panel</i>	
Association of Schools & Programs of Public Health (ASPPH)/CDC	2015
<i>Public Health Fellowship Program, Objective Review Panel</i>	
Endocrine Society Annual Meeting, Abstract Reviewer	2014-2015

**PUBLICATIONS IN PEER-REVIEWED JOURNALS**

- 2018 Oueslati, R., Cheng, C., Wu, J., **Chen, J.** Highly sensitive and specific on-site detection of serum cocaine by a low cost aptasensor *Biosensors and Bioelectronics* 108:103-108
- 2018 Zhang, J., Oueslati, R., Cheng, C., Zhao, L., **Chen, J.**, Almeida, R., Wu, J. Rapid, highly sensitive detection of Gram-negative bacteria with lipopolysaccharide based disposable aptasensor *Biosensors and Bioelectronics* 112:48-53 30
- 2018 Kennedy, RC.,\* Fling, RR.,\* Robeson, MS., Saxton, AM., Schneider, LG., Darcy, JL., Bemis, DA., Zhao, L., **Chen, J.** Temporal dynamics of gut microbiota in triclocarban-exposed weaned rats. *Environmental Science and Pollution Research* 25(15):14743-14751
- 2017 Cheng, C., Oueslati, R., Wu, J., **Chen, J.**, Eda, S. Capacitive DNA sensor for rapid and sensitive detection of whole genome human herpesvirus-1 dsDNA in serum. *Electrophoresis*. 38(12):1617-1623

- 2017 Terry, P., Towers, C.V., Liu, L-Y., Peverly, A.A., **Chen, J.**, Salamova, A. Polybrominated diphenyl ethers (flame retardants) in mother-infant pairs in the Southeastern US *International Journal of Environmental Health Research* 27(3):205-214
- 2017 Hu, P., Overby, H., Heal, E., Wang, S., **Chen, J.**, Shen, C-L., Zhao, L. Methylparaben and butylparaben alter multipotent mesenchymal stem cell fates towards adipocyte lineage. *Toxicology and Applied Pharmacology* 329:48-57
- 2017 Letheren, A.\* , Hill, S.\* , Salie, J.\* , Parkman, J., **Chen, J.** A little bug with a big bite: Impact of hemlock woolly adelgid infestations on forest ecosystems in the Eastern USA and potential control strategies. *International Journal of Environmental Research and Public Health* 14(4):17
- 2017 Cheng, C., Wu, J., Fikrig, E., Wang, P., **Chen, J.**, Eda, S., Terry, P. Unamplified RNA Sensor for On-Site Screening of Zika Virus Disease in a Limited Resource Setting *Chemelectrochem* 3:485-489
- 2017 Mirzajani, H., Cheng, C., Wu, J., **Chen, J.**, Eda, S., Najafi Aghdam, E., Badri Ghavifekr, H. A highly sensitive and specific capacitive aptasensor for rapid and label-free trace analysis of Bisphenol A (BPA) in canned foods. *Biosensors & bioelectronics*. 2017; 89(Pt 2):1059-1067.
- 2017 Lin, X., Cheng, C., Terry, P., **Chen, J.**, Cui, H., Wu, J. Rapid and sensitive detection of bisphenol a from serum matrix. *Biosensors and Bioelectronics* 91:104-109
- 2016 Kennedy, R.C.\* , Terry, P.D, **Chen, J.** Triclocarban and Health: The jury is still out. *MSPHERE* 1(6):1
- 2016 Kennedy,RC.\* Fling, RR.\*\* Robeson, MS., Saxton, AM., Donnell, RL., Darcy, JL., Bemis, DA., Liu, J., Zhao, L., **Chen, J.** Temporal Development of Gut Microbiota in Triclocarban Exposed Pregnant and Neonatal Rats. *Scientific Reports*. 2016 6:33430.
- 2016 Kodani S.D., Overby, H.B., Morisseau, C., **Chen, J.**, Zhao, L., Hammock, B.D. Parabens inhibit fatty acid amide hydrolase: A potential role in paraben-enhanced 3T3-L1 adipocyte differentiation. *Toxicology Letters* 262:92-99
- 2016 Hagan, C.D.\* , Hardwick, B.A.\* , Opel, T.\* , Sweet, C.L\* , Terry, P.D., **Chen, J.** Indoor tanning: bringing the sun inside? *Public Health* 140:261-264
- 2016 Acuff, L.\* , Fristoe,K.\* , Hamblen, J.\* , Smith, M.,\* **Chen, J.** Third-hand Smoke: Old smoke, new concerns. 2016 *Journal of Community Health* 41(3):680-7.
- 2016 Cui, H., Cheng, C., Lin, X., Wu, J., **Chen, J.**, Eda, S., Yuan, Q. Rapid and sensitive detection of small biomolecular by capacitive sensing and low field AC electrothermal effect. 2016 *Sensors and Actuators B: Chemical* 226:245–53.
- 2016 Pan, Hu., Kennedy, R.C.\* , Chen, X., Zhang, J., Shen, C.L., **Chen, J.**, Zhao, L. Differential effects on adiposity and serum marker of bone formation by post-weaning exposure to methylparaben and butylparaben. 2016 *Environmental Science and Pollution Research* DOI: 10.1007/s11356-016-7452-0 [Epub ahead of print].
- 2016 Cheng, C., Wang, S, Wu, J., Yu, Y., Li, R., Eda, S., **Chen, J.**, Feng, G., Lawrie, B., Hu, A. Bisphenol A Sensors on Polyimide Fabricated by Laser Direct Writing 2 for Onsite River Water Monitoring at Attomolar Concentration. Accepted by *Applied Materials and Interface* 2016.
- 2015 Kennedy, R.C.\* , Fling, R. R.\*\* , Terry, P.D., Menn, F.M., **Chen, J.**, Borman, C. J. Extraction of 3,4,4'-trichlorocarbanilide from rat fecal samples for determination by high pressure liquid chromatography–tandem mass spectrometry. *International Journal of Environmental Research and Public Health* 12(7):8125-32 PMID: 26184276
- 2015 Cui, H., Wu, J., Eda, S., **Chen, J.**, Chen, W., Zheng, L. Rapid capacitive detection of femtomolar level bisphenol A using an aptamer-modified disposable microelectrode array. *Microchimica Acta* (In press, first online July 5, 2015)

- 2015 Bae, J.\* , **Chen, J.**, Zhao, L. Chronic activation of pattern recognition receptors suppresses brown adipogenesis of multipotent mesodermal stem cells and brown pre-adipocytes. *Biochemistry and Cellular Biology*: 93(3):251-61. doi: 10.1139/bcb-2014-0139. PMID: 25741603
- 2015 Towers, C.V., Terry, P.D., Lewis, D., Howard, B., Chambers, W., Armistead, C., Weitz, B., Porter, S., Borman, C.J., Kennedy, R.C.\* , **Chen, J.** Transplacental passage of antimicrobial paraben preservatives. *Journal of Exposure Science and Environmental Epidemiology*: May 6. doi: 10.1038/jes.2015.27. PMID: 25944699
- 2015 Hu P, Zhao L, **Chen J.** Physiologically achievable doses of resveratrol enhance 3T3-L1 adipocyte differentiation. *European Journal of Nutrition*: 54(4):569-79. PMID: 25030245
- 2015 Kennedy, R.C.\* , Menn, F.M., Healy, L., Fecteau, K.A., Hu, P., Bae, J., Gee, N.A., Lasley, B.L., Zhao, L., **Chen, J.** Early life triclocarban exposure during lactation affects neonate rat survival. *Reproductive Sciences*: 22(1):75-89. PMID: 24803507
- 2014 Bae, J.\* , Ricciardi, C.J., Esposito, D., Komarnytsky, S., Hu, P., Curry, B.J., Brown, P.L., Gao, Z., Biggerstaff, J.P., **Chen, J.**, Zhao, L. Activation of pattern recognition receptors in brown adipocytes induces inflammation and suppresses uncoupling protein 1 expression and mitochondrial respiration. *American Journal of Physiology and Cell Physiology*: 306(10):C918-30. PMID: 24627558
- 2014 Dinwiddie, M.T.\* , Terry, P.D., **Chen, J.** Recent evidence regarding triclosan and cancer risk. *International Journal of Environmental Research and Public Health*: 11(2):2209-17. PMID: 24566048
- 2014 **Chen J.**, Al-Wadei MH\*, Kennedy RC\*, Terry PD. Hydraulic fracturing: Paving the way for a sustainable future? *Journal of Environmental and Public Health*: doi: 10.1155/2014/656824. PMID: 24790614
- 2013 Hu, P., Chen, X., Whitener, R.J., Boder, E.T., Jones, J.O., Porollo, A., **Chen, J.**, Zhao, L. Effects of parabens on adipocyte differentiation. *Toxicological Sciences*: 131(1):56-70. PMID: 22956630
- 2013 Moran, F.M., **Chen, J.**, Lostroh, P., Gee, N., Lasley, B. Dehydroepiandrosterone sulfate (DHEAS) levels reflect endogenous LH production and respond to human chorionic gonadotropin (hCG) challenge in the older female macaque (*Macaca Fascicularis*). *Menopause*: 20(3):329-35 PMID: 23435031
- 2012 Purohit, J., Hu, P., **Chen, J.**, Zhao, L. The Effects of NOD activation on adipocyte differentiation. *Obesity*: 21(4):737-47. PMID: 23712977
- 2012 Lasley, B.L., **Chen, J.**, Stanczyk, F.Z., El Khoudary, S.R., Gee, N.A., Crawford, S., McConnell, D.S. Androstenediol complements estrogenic bioactivity during the menopausal transition. *Menopause*: 19(6):650-657. PMID: 22415563
- 2011 Duleba, A.J., Ahmed, M.I., Sun, M., Gao, A.C., Villanueva, J., Conley, A.J., Turgeon, J.L., Benirschke, K., Gee, N.A., **Chen, J.**, Green, P.G., Lasley, B.L. Effects of triclocarban on intact immature male rat: Augmentation of androgen action. *Reproductive Sciences*: 18(2):119-27. PMID: 20889956
- 2008 Ahn, K.C., Zhao, B., **Chen, J.**, Cherednichenko, G., Sanmarti, E., Denison, M.S., Lasley, B., Pessah, IN., Kültz, D., Chang, D.P.Y., Gee, S.J., Hammock, B.D. In vitro biologic activities of the antimicrobials triclocarban, its analogs, and triclosan in bioassay screens: Receptor-based bioassay screens. *Environmental Health Perspectives*: 116(9):1203-10. PMID: 18795164
- 2008 **Chen, J.**, Ahn, K.C., Gee, N.A., Mohamed, M.I., Duleba, A.J., Zhao, L., Gee, S.J., Hammock, B.D., Lasley, B.L. Triclocarban enhances testosterone action: A new type of endocrine disruptor? *Endocrinology*: 149(3):1173-9. PMID: 18048496

- 2008 Yon, L., **Chen, J.**, Moran, P., Lasley, B.L. An analysis of the androgens of musth in the Asian bull elephant (*Elephas maximus*). *General and Comparative Endocrinology*: 155(1):109-15. PMID: 17466989
- 2007 **Chen, J.**, Ahn, K.C., Gee, N.A., Gee, S.J., Hammock, B.D., Lasley, B.L. Antiandrogenic properties of parabens and other phenolic containing small molecules in personal care products. *Toxicology and Applied Pharmacology*: 221(3): 278-84. PMID: 17481686
- 2007 **Chen, J.**, Sowers, M.R., Moran, F.M., McConnell, D.S., Gee, N.A., Greendale, G.A., Whitehead, C., Kasim-Karakas, S.E., Lasley, B.L. Circulating bioactive androgens in midlife women. *Journal of Clinical Endocrinology and Metabolism*: 91(11): 4387-94. PMID: 16940455
- 2004 **Chen, J.**, Thirkill, T.L., Lohstroh, P.N., Bielmeier, S.R., Narotsky, M.G., Best, D.S., Harrison, R.A., Natarajan, K., Pegram, R.A., Overstreet, J.W., Lasley, B.L., Douglas, G.C. Bromodichloromethane inhibits human placental trophoblast differentiation. *Toxicological Sciences*: 78(1): 166-74. PMID: 14691210
- 2003 **Chen, J.**, Douglas, G.C., Thirkill, T.L., Lohstroh, P.N., Bielmeier, S.R., Narotsky, M.G., Best, D.S., Harrison, R.A., Natarajan, K., Pegram, R.A., Overstreet, J.W. and Lasley, B.L. Effect of bromodichloromethane on chorionic gonadotrophin secretion by human placental trophoblast cultures. *Toxicological Sciences*: 76(1): 75-82. PMID: 12970577
- 2003 Lohstroh, P.N., **Chen, J.**, Ba, J., Ryan, L.M., Xu, X.P., Overstreet, J.W., Lasley, B.L. Bone health is affected by follicular phase length in female rotating shift workers. *Environmental Health Perspectives*: 111(4): 618-22. PMID: 12676625
- 2003 **Chen, J.**, Qiu, Q., Lohstroh, P., Overstreet, J.W., Lasley, B.L. Hormonal characteristics in the Early luteal phase of conceptive and non-conceptive menstrual cycles. *Journal of the Society for Gynecologic Investigation*: 10(1): 27-31. PMID: 12517590
- 2003 **Chen, J.**, Thirkill, T.L., Overstreet, J.W., Lasley, B.L., Douglas, G.C. Effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on chorionic gonadotropin (CG) secretion by human trophoblasts. *Reproductive Toxicology*: 17(1): 87-93. PMID: 12507663
- 2003 **Chen, J.**, Laughlin, L., Overstreet, J.W., Lasley, B.L. The effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin on chorionic gonadotropin (CG) activity. *Toxicology*: 186(1-2): 21-31. PMID: 12604168
- 2003 Moran, F.M., Lohstroh, P., VandeVoort, C.A., **Chen, J.**, Overstreet, J.W., Conley, A.J., Lasley, B.L. Exogenous steroid substrate modifies the effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin on estradiol production of human luteinized granulosa cells in vitro. *Biology of Reproduction*: 68(1): 244-51. PMID: 12493720
- 2001 Moran, F.M., Tarara, R., **Chen, J.**, Santos, S., Cheney, A., Overstreet, J.W., Lasley, B.L. Effect of dioxin on ovarian function in the cynomolgus macaque (*M. Fascicularis*). *Reproductive Toxicology*: 15(4): 377-83. PMID: 11489593
- 2001 Li, H.X., Nakajima, S.T., **Chen, J.**, Todd, H.E., Overstreet, J.W., Lasley, B.L. Differences in hormonal characteristics of conceptive versus non-conceptive menstrual cycles. *Fertility and Sterility*: 75(3): 549-53. PMID: 11239540

\* Supervised graduate students, \*\* Supervised undergraduate student

## REPORTS TO FUNDING AGENCIES

- 2014 **Chen, J.** Lactation exposure of triclocarban affects the survival of female neonates in a rodent model. Research Report submitted to National Institute of Environmental Health Sciences.

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- 2013 **Chen, J.** 2013 Estrogenic activity of Zyflamend. Research Report submitted to New Chapter, Inc. Brattleboro, Vermont.
- 2011 **Chen, J.** Endocrine disrupting property of nutraceuticals. Research Report submitted to New Chapter Inc. Brattleboro, Vermont.
- 2011 **Chen, J.** *In utero* and neonatal effects of triclocarban exposure. Research Report submitted to National Institute of Environmental Health Sciences.

### PRESENTATIONS AT SCIENTIFIC MEETINGS

- 2018 Wu, J., Cheng, C., Yuan, Q., Oueslati, R., Zhang, J., Chen, J., Almeida, R. Simple, fast and highly sensitive detection of Gram-negative bacteria by a novel electrical biosensor. The Engineering in Medicine and Biology Conference Management System. Hawaii
- 2017 Oueslati, R., Wu, J., **Chen, J.** Unamplified and sensitive DNA sensor for MRSA detection by capacitive sensing and low voltage AC dielectrophoresis. American Institute of Chemical Engineers Annual Meeting. Minneapolis
- 2017 Wu, J., **Chen, J.**, Qi, H. Invented "AC electrokinetics (ACEK) capacitive sensing" for high throughput, high sensitivity and robust affinity sensing. The Intelligence Advanced Research Projects Activity Workshop. Washington, DC.
- 2016 Sweet, C., Hardwick, B., Opel, T., Hagan, C., Terry, P., **Chen, J.** Indoor Tanning: Bringing the Sun Inside. A comparison of state regulation restrictions on indoor tanning for minors in USA. Franklin, Tennessee
- 2016 Kennedy, R., Chen, J. Health impact of early life exposure to antimicrobial components in PPCPs. National Toxicology Program. Research Triangle Park, NC.
- 2016 Letheren, A., Myers, C., **Chen, J.** Waste Management under CERCLA on the Oak Ridge Reservation. The Association of Schools and Programs of Public Health (ASPPH) Annual National Meeting, Arlington, VA.
- 2016 Fling, R., Kennedy, R., **Chen, J.** 3,4,4'-Trichlorocarbanilide Exposure Induces Gut Microbial Dysbiosis in Weaned Rats. The National Conferences on Undergraduate Research (NCUR) in Asheville, NC.
- 2016 Kennedy, R., **Chen, J.** Health Impact of Early Life Exposure to Antimicrobial Components in Personal Care Products (PCPs). National Toxicology Program, Research Triangle Park, NC.
- 2015 Kennedy, R., Fling, R., Robeson, M., Bemis, D., Zhao, L., Gee, N., Lasley, B.L., **Chen, J.** 3,4,4'-Trichlorocarbanilide exposure induces gut microbial dysbiosis in weaned rats. American Society of Microbiology Annual Meeting, New Orleans, LA.
- 2014 Kennedy, R., Fling, R., Bemis, D., McPherson, E., Zhao, L., Terry, P.D., **Chen, J.** Trichlorocarbanilide exposure during early life induces the overgrowth of *Clostridium difficile* in rat offspring cecum contents. 4<sup>th</sup> Prenatal Programming and Toxicity Meeting, Boston, MA.

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- 2014 Kennedy, R., Healy, L., Menn, FM., Fecteau, K., Zhao, L., Bae, J., Hu, P., Gee, NA., Lasley, B.L., **Chen, J.** Mammary gland involution during lactation is a secondary effect of TCC induced neonatal loss. Endocrine Society Annual Meeting, Chicago, IL.
- 2013 Kennedy, R., Healy, L., Fecteau, K., Zhao, L., Hu, P., Gee, N., Lasley, B., Benirschke, K., **Chen J.** Early exposure to triclocarban during lactation alters survival rate in the female rat neonate. Society of Endocrine Society, San Francisco, CA.
- 2013 Bae, J., Ricciardi, C.R., **Chen, J.**, Zhao, L. activation of pattern recognition receptors in brown adipocytes induce proinflammatory genes and suppress uncoupling protein 1 mRNA expression. Experimental Biology Annual Meeting, Boston, MA.
- 2013 **Chen, J.**, Kennedy, R. Impact of early life antimicrobial exposure on reproductive outcomes. 45th Asia Pacific Academic Consortium for Public Health (APACPH), Wuhan, P.R. China.
- 2012 Kennedy, R., Bae, J., Fecteau, K., Zhao, L., Gee, N., Benirschke, K., Lasley, B. L., **Chen, J.** Triclocarban exposure in pregnancy and during the female neonate period compromises lactation and reproductive developments. Endocrine Society Annual Meeting, Houston, TX.
- 2012 Purohit, J., Hu, P., **Chen, J.**, Zhao, L. Leptin and adiponectin are both suppressed upon activation of nucleotide oligomerization domain containing protein 1 during adipocyte differentiation. Experimental Biology Annual Meeting, San Diego, CA.
- 2012 Pittenger, S.R., Cedars, M.I., McConnell, D.S., Handa, R., Hiroi, R., **Chen, J.**, Gee, N., Lasley, B. L. Estrogenic potential of androstenediol. Society for Gynecologic Investigation Annual Meeting, San Diego, CA.
- 2011 Kennedy, R., **Chen, J.**, Gee, N.A., Benirschke, K., Duleba, A., Lasley, B.L., **Chen, J.** Effects of a novel endocrine disrupting compound triclocarban (TCC) exposure during pregnancy in rats. NIEHS and USEPA Superfund Annual Research Meeting, Lexington, KY.
- 2010 Olsen, N.C., **Chen, J.**, Duleba, A.J., Lasley, B.L. Triclocarban modulates cytokines *in vitro*. Endocrine Society Annual Meeting, San Diego, CA.
- 2010 McConnell, D.S., **Chen, J.**, Gee, N.A., Stanczyk, F.Z., Santoro, N., Randolph, J., Sowers, M.F., Gentschein, E., Lasley, B.L. Circulating dehydroepiandrosterone sulfate (DS) is associated with an increase in circulating androstenediol. Endocrine Society Annual Meeting, San Diego, CA.
- 2010 **Chen, J.** Endocrine disruptors in personal care products. The University of Tennessee, Comparative & Experimental Medicine and Public Health Research Symposium, Knoxville, TN.
- 2009 **Chen, J.** A novel endocrine disruptor in personal care products: Enhancer for sex hormones. The University of Tennessee Epidemiologists Forum, Knoxville, TN.

### INVITED SEMINAR PRESENTATIONS

- 2015 **Chen, J.** "Effects of early life antimicrobial exposure on the composition of gut microbiota" University of Kentucky Medical Center, University of Kentucky, KY.
- 2014 **Chen, J.** "Environmental impact of concentrated animal feeding operation" One Health/SAVE club, College of Veterinary Medicine, The University of Tennessee, Knoxville, TN.
- 2013 **Chen, J.** "Early life TCC exposure affect the survival of the neonates" Epidemiologist Forum, The University of Tennessee, Knoxville, TN.



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- 2013 **Chen, J.** “Triclocarban exposure and its impact during early life stage “  
Comparative and Experimental Medicine Seminar, College of Veterinary Medicine,  
The University of Tennessee, Knoxville, TN.
- 2012 **Chen, J.** “Environmental health: The role humans play”  
Public Health Summer Academy, The University of Tennessee, Knoxville, TN.
- 2011 **Chen, J.** “What is in our water? Water quality impact on health and intervention”  
Department of Public Health/Knox County Health Department Grand Rounds, Knoxville, TN.
- 2010 **Chen, J.** “Estrogenic property of Turmeric, what are the implications?”  
The University of Tennessee Epidemiologists Forum, Knoxville, TN.
- 2010 **Chen, J.** “Effects of synthetic chemicals on biological activity of sex hormones”  
The University of Tennessee, Comparative & Experimental Medicine and Public Health  
Research Symposium, Knoxville, TN.

### RESEARCH: GRANTS, PROJECTS AND AWARDS

#### Research Projects: Completed

Point of Care Initiative for Environmental Contaminants Detection (Third stage) (Co-investigator: **Chen, J.** PI: Wu, J., Department of Electrical Engineering and Computer Science) (08/01/2018-07/31/2019)  
Amount: \$ 48,000  
Sponsor: UT Office of Research and Engagement’s Organized Research Unit (ORU)

Point of Care Initiative for Environmental Contaminants Detection (Second stage) (Co-investigator: **Chen, J.** PI: Wu, J., Department of Electrical Engineering and Computer Science) (08/01/2017-07/31/2018)  
Amount: \$ 50,000  
Sponsor: UT Office of Research and Engagement’s Organized Research Unit (ORU)

Microbial contamination, biofilm development and lead release in drinking water and in premise plumbing (Co-investigator: Chen, J, PI: Wu, J., Department of Electrical Engineering and Computer Science) (08/01/2017-07/31/2018)  
Amount: \$ 45,000  
Sponsor: Institute for a Secure & Sustainable Environment, the University of Tennessee Knoxville

Seed Grant Program: High sensitive, rapid and low cost aptamer-based capacitive microsensor for bisphenol A (BPA) detection in surface water (Co-investigator: **Chen, J.**, PI: Wu, J) (08/01/2016-07/31/2017)  
Amount: \$10,000  
Sponsor: Center for Wildlife Health, University of Tennessee Institute of Agriculture

Point of Care Initiative for Environmental Contaminants Detection (First stage) (Co-investigator: Chen, J. PI: Wu, J.) (07/01/2016-07/31/2017)  
Amount: \$ 50,000  
Sponsor: UT Office of Research and Engagement’s Organized Research Unit (ORU)

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Seed Funding: Toxicity profiling of dioxin-like environmental pollutants and other aryl hydrocarbon receptor agonists through a yeast-based high throughput bioassay (Investigator: **Chen, J.**, PI: Xu, T.) (07/01/2015-06/30/2016)

Amount: \$34,785

Sponsor: The Institute for a Secure and Sustainable Environment, The University of Tennessee

Professional Development Award (PI: **Chen, J.**)

Triclocarban exposure on gut microbiota (11/14-06/15) \$5,000

The University of Tennessee, Knoxville

NIEHS: R21 ES017475-01A1 (PI: **Chen, J.**)

In utero and neonatal effects of triclocarban exposure (10/01/10-08/30/14) \$420,000

National Institute of Environmental Health Sciences

Professional Development Award (PI: **Chen, J.**)

In utero and lactation exposure to endocrine disruptors on body weight gain (11/12-05/13) \$5,000

The University of Tennessee, Knoxville

Department Research Award (Co-PI: **Chen, J.**, with Terry, P.)

Transplacental property of endocrine disruptors in human population (04/13-07/13) \$8,000

Department of Public Health, The University of Tennessee, Knoxville

New Chapter Inc.: P01-1770080 (Co-PI: **Chen, J.**, with Whelan, J.)

Role of estrogen receptors in mediating xenobiotics induced signal transduction

(08/01/10-07/01/13) \$48,000

New Chapter Inc. Brattleboro, Vermont

NIH: P42 ES04699 (Senior Investigator: **Chen, J.** in Project 6. PI: Hammock, B.)

Biomarkers of exposure to hazardous substances (04/01/05-01/31/10) \$500,000

National Institutes of Health

EPA: EP-D-06-017 (PI: **Chen, J.**)

*In vitro* assay: Effects of drinking water disinfection byproducts on human trophoblast differentiation

(01/06-12/07) \$50,000

US Environmental Protection Agency

EPA and March of Dimes: 04-0481 (Subcontract, PI: **Chen, J.**)

Hypospadias and maternal androgen bioactivity (06/05-09/05) \$ 20,000

US Environmental Protection Agency and March of Dimes

Center for Environmental Health Sciences (CEHS ) Pilot Projects (PI: **Chen, J.**)

The validation of in vitro cell-based androgen assay for environmental health (04/05-03/06) \$ 5,000

National Institute of Environmental Health Sciences and University of California, Davis

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## TEACHING AND ADVISING

### Public Health Courses

PUBH 510 (G): Environmental Health Science (MPH core course, average 2 times/yr)	2010-present
PUBH 495 (U): Minimize Adverse Environmental Impact on Humans and Community	2013
PUBH 420 (U): Environmental Public Health	2015-present
PUBH 401 (U): Global Health	2017-present

### Invited Presentations to UTK Classes

2017	Chen, J. Introduction to Public Health (Undergraduate Course, Instructor: Amanda Casteel)
2016	<b>Chen, J.</b> Health of Adolescents (Undergraduate Course: Laurie Meschke)
2016	<b>Chen, J.</b> Global Health (Undergraduate Course, instructor: Tamara Lea Chavez-Lindell)
2015	<b>Chen, J.</b> Global Health (Undergraduate Course, Instructor: Dr. Paul Erwin)
2015	<b>Chen, J.</b> Introduction to Public Health (Undergraduate Course, Instructor: Dr. Jennifer Jabson)
2014	<b>Chen, J.</b> PUBH 509 MPH Seminar (Instructor: Dr. Paul Erwin)
2014	<b>Chen, J.</b> Introduction to Public Health (Undergraduate Course, Instructor: Chenoa Allen)
2012	<b>Chen, J.</b> Introduction to Public Health (Undergraduate course, Instructor: Dr. Margaret Knight)
2011	<b>Chen, J.</b> Epidemiology (MPH Core Course, Instructor: Dr. Paul Terry)

## INSTITUTIONAL SERVICE

### The University of Tennessee

University Faculty Senate (representing College of Education, Health,& Human Sciences)	2016-present
University Undergraduate Research Summer Internship Program Reviewer	2013-present
The University of Tennessee, Comparative & Experimental Medicine and Public Health Symposium Presentation Judge	2010-present

### College of Education, Health, and Human Sciences

Search Committee for Associate Dean for Research and Academic Affairs (appointed member)	2012
Search Committee for College Information and Technology Leader (appointed member)	2013
College Technology Committee (appointed member)	2010-present

### Department of Public Health

Department Faculty Promotion and Tenure Committee	2016-present
DrPH Committee (appointed member)	2015-present
Search Committee for Assistant Professor in Health Policy and Management (appointed member)	2015

## Jiangang Chen

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Dr. June D. Gorski Scholarship Endowment, Responsible Faculty	2012-present
Search Committee for Assistant Professor in Health Policy and Management (appointed chair)	2014
Graduate Research Assistant Selection Committee (appointed chair)	2014
Technology Committee (appointed chair)	2014-present
Search Committee for Director of Master in Public Health Program (appointed member)	2014
Search Committee for Assistant Professor in Epidemiology (appointed member)	2014
Graduate Research Assistant Selection Committee (appointed member)	2010-present
Public Health Minor Curriculum Development Committee (appointed member)	2013-2014
Department Delegation (Culture and Education Exchange) with Wuhan University P.R. China (appointed member)	2013
Department Mission and Vision Development Committee (appointed member)	2010
Department Goals and Objectives Development Committee (appointed member)	2012
MOU Development Committee (with Jackson State University, appointed member)	2011
Department Delegation (Culture and Education Exchange) with Wuhan University & Sichuan University, P. R. China (appointed member)	2011

**The University of Tennessee Extension Program**

University Extension Program Healthy Home Advisory Board (invited member)	2013-present
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**Community Outreach and Service**

The Undergraduate Awards (judge panel member)	2017-present
Faculty of 1000 Society (associate member)	2013-present
East Tennessee Voluntary Organizations Active in Disaster (VOAD) (invited member)	2014-present
Oak Ridge Emergency Management Forum Steering Committee (invited member)	2013-present
Knox County Environmental Public Health Status Update (participant with students)	2014
The University of Tennessee Game Day Recycling (participant with students)	2012
Public Health Summer Academy (invited lecture)	2012
Knox County Health Department Grand Rounds (invited lecture)	2011