

Julia Yue Cui

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Education

- 2005 Chukeyen Honors College, Zhejiang University, Hangzhou, China
B.Sc., Biological Sciences
- 2010 University of Kansas Medical Center, Kansas City, KS
Ph.D., Toxicology/Developmental Pharmacology

Professional Positions

- 2005-2010 Graduate Research Assistant, Department of Pharmacology, Toxicology and Therapeutics, University of Kansas Medical Center, Kansas City, KS
- 2010-2012 Postdoctoral Fellow, Department of Pharmacology, Toxicology and Therapeutics, University of Kansas Medical Center, Kansas City, KS
- 2012-2013 Postdoctoral Fellow, Department of Internal Medicine, University of Kansas Medical Center, Kansas City, KS
- 2012-2013 Research Assistant Professor, Department of Internal Medicine, University of Kansas Medical Center, Kansas City, KS
- 2014-present Assistant Professor, Department of Environmental and Occupational Health Sciences, University of Washington, Seattle, WA

Honors, Awards, Scholarships

- 2006 1st Place Student Platform Presentation Research Award of Central States Society of Toxicology (CS-SOT), and recipient of Travel Award to the 2007 National Society of Toxicology Meeting
- 2006 1st Place Platform Presentation Research Award of the Student Research Forum, the Genetics Session, the University of Kansas Medical Center
- 2007 1st Place Platform Presentation Research Award of the Student Research Forum, the Molecular Biology Session, the University of Kansas Medical Center
- 2008 Presidential Poster of Distinction of the 59th National Meeting of American Association for the Study of Liver Diseases (AASLD)
- 2008 Recipient of Dr. Daniel Azarnoff Student Travel Award, Department of Pharmacology, Toxicology and Therapeutics, the University of Kansas Medical Center
- 2008 Graduate Student Travel Award, the University of Kansas Medical Center
- 2008 1st Place Carl C. Smith Award, National Meeting of Society of Toxicology
- 2008 1st Place Student Poster-Presentation Award of Central States Society of Toxicology (CS-SOT) and recipient of Travel Award to the 2008 National Society of Toxicology Annual Meeting
- 2008 1st Place Student Platform-Presentation Award of Central States Society of Toxicology (CS-SOT) Annual Meeting

- 2008 1st Place Platform Presentation Award of the Student Research Forum, Molecular Biology Session, the University of Kansas Medical Center
- 2008 Recipient of Student Union Corporation Travel Scholarship, the University of Kansas Medical Center
- 2009 Winner of Novartis Graduate Student Fellowship, National Society of Toxicology Meeting
- 2009 Honorable Mention abstract by the Molecular Biology Specialty Section, National Society of Toxicology Meeting
- 2009 Recipient of Dr. Daniel Azarnoff Student Travel Award, Department of Pharmacology, Toxicology and Therapeutics, the University of Kansas Medical Center
- 2009 1st Place Pre-doctoral Poster Presentation, 16th North American Regional International Society for the Study of Xenobiotics (ISSX) Annual Meeting (title: "ChIPing the cistrome of PXR in mouse liver")
- 2010 1st Place Platform Presentation Research Award of the Student Research Forum, Basic Science I, the University of Kansas Medical Center
- 2011 1st Place Platform Presentation Research Award of the K-INBRE (Kansas IDeA Network of Biomedical Research Excellence) Symposium (title: "microRNAs are essential for bile acid homeostasis during liver development")
- 2011 Mechanisms SS Gabriel L. Plaa Education Award, Society of Toxicology
- 2011 1st Place Platform Presentation Research Award of Central State Society of Toxicology Meeting
- 2011 Recipient of K-INBRE Postdoctoral Fellowship
- 2012 1st Place Platform Presentation Postdoctoral Research Award, Postdoctoral Research Day, University of Kansas Medical Center

Professional Activities

Professional Memberships:

2006-Pres. SOT (Society of Toxicology)

Editor-invited Reviewer:

- Toxicology Letters
- Expert Opinion on Drug Metabolism & Toxicology
- Methods in Molecular Biology
- Complementary Medicine and Drug Discovery
- Advance Laboratory Medicine International
- Journal of Experimental and Integrative Medicine
- Oxidants and Antioxidants in Medical Science
- Toxicological Sciences
- Plos ONE
- S&T Books, Toxicology and Public Health

Editorial Board (MA/AF mission-related):

- BMC Pharmacology and Toxicology (Associate Editor)
- Obesity Research Open Journal (OROJ)

Professional Training:

- 2003 IAESTE Technical Training Certificate from Professor Thorsten Assman's laboratory, Department of Ecology and Chemistry, University of Lueneburg, Germany
- 2006 Technical Training Certificate from NIH-Sponsored Course of Integrative and Organ Systems Pharmacology (IOSP) (University of Nebraska Medical Center, Omaha).
- 2007 Completion of training in Good Laboratory Practices directed by Kris Castle, BSc. Scientific and Regulatory Consultant, Beckloff Associates, Inc., Cardinal Health Company.
- 2009 CSHL (Cold Spring Harbor Laboratory) Course in Integrative Statistical Analysis of Genome Scale Data (R language and Bioconductor in statistics, graphing, and microarray data analysis)
- 2010 CITI Training for Human Subject Research
- 2010 CSHL (Cold Spring Harbor Laboratory) Course on Advanced Sequencing Technologies & Applications
- 2011 CSHL (Cold Spring Harbor Laboratory) Course on Programming for Biology
- 2014 Workshop on 3D Genome Mapping Technology. Chromatin Interaction Analysis by Paired-End Tag Sequencing (Instructor: Dr. Yijun Ruan, The Jackson Laboratory for Genomic Medicine)

Bibliography

Refereed research articles

1. Aleksunes, L. M., Cui, Y., and Klaassen, C. D. (2008) Prominent expression of xenobiotic efflux transporters in mouse extraembryonic fetal membranes compared with placenta. *Drug Metab Disp* 36: 960-70. PMID: 18566041, PMCID: PMC2574899
2. Cui, Y.J., Yeager, R.L., Zhong, X.B., and Klaassen, C.D. (2009) Ontogenic expression of hepatic Ahr mRNA correlates with histone H3K4 di-methylation during mouse liver development. *Toxicol Lett.* 189: 1840190. PMID: 19481593, PMCID: PMC2762423
3. Cui, Y. J., Cheng, X., Weaver, Y. M., and Klaassen, C. D. (2009) Tissue distribution, gender divergent expression, ontogeny, and chemical induction of multidrug resistance transporter genes (Mdr1a, Mdr1b, Mdr2) in mice. *Drug Metab Disp* 37: 203-10. PMID: 18854377, PMCID: PMC2683659
4. Cui, Y., Aleksunes, L.M., Tanaka, Y., Goedken, M.J., and Klaassen, C.D. (2009) Compensatory induction of liver efflux transporters in response to ANIT-induced liver injury is impaired in FXR-null mice. *Toxicol Sci.* 110: 47-60. PMID: 19407337, PMCID: PMC2696329
5. Li, Y., Cui, Y., Hart, S. N., Klaassen, C. D., and Zhong, X. (2009) Dynamic patterns of histone methylation are associated with ontogenic expression of the Cyp3a genes during mouse liver maturation. *Mol Pharmacol.* 75: 1171-1179. PMID:19188337, PMCID: PMC2672803
6. Hart, S.N., Li, Y., Cui, Y., Klaassen, C., and Zhong, X.B. (2009) Dynamic DNA and histone methylation influences the ontogeny of xenobiotic metabolizing genes during postnatal mouse liver maturation. *FASEB J.* 23: 752.4. PMID: N/A, PMCID: N/A
7. Hart, S. N., Cui, Y., Klaassen, C. D., and Zhong, X. B. (2009) Three patterns of cytochrome P450 gene expression during liver maturation in mice. *Drug Metab Disp* 37: 116-21. PMID: 18845660, PMCID: PMC2672803

8. Tanaka, Y., Aleksunes, L. M., **Cui, Y. J.**, and Klaassen, C. D. (2009) ANIT-induced intrahepatic cholestasis alters hepatobiliary transporter expression via Nrf2 dependent and independent signaling. *Toxicol Sci.* 108: 247-257. PMID: 19181614, PMCID: PMC2664692
9. Choudhuri, S., **Cui, Y.**, and Klaassen, C.D. (2010) Molecular targets of epigenetic regulation and effectors of environmental influences. *Toxicol and Appl Pharmacol.* 245: 378-93. PMID: 20381512, PMCID: PMC2911443
10. **Cui, Y.J.**, Gunewardena, S.S., and Klaassen, C.D. (2010) ChIPing the cistrome of PXR in mouse liver. *Nucleic Acids Research* 38:7943-63. PMID: 20693526, PMCID: PMC3001051
11. Staudinger, JL, Xu, CS, **Cui, Y.J.**, and Klaassen, C.D. (2010) Nuclear receptor mediated regulation of carboxylesterase expression and activity. *Expert Opin on Drug Metab and Toxicol.* 261-71 PMID: 20163318, PMCID: PMC2826721
12. **Cui, Y.J.**, Choudhuri, S., House-Knight, T, and Klaassen, C.D. (2010) Genetic and epigenetic regulation and expression signatures of glutathione S-transferases in developing mouse liver. *Toxicol Sci.* 115: 32-43. PMID: 20395309, PMCID: PMC2886863
13. Klaassen, C.D., Lu, H., and **Cui, J.Y.** (2011) Epigenetic regulation of drug processing genes. *Toxicol Mech Methods* 21: 312-24. PMID: 21495869, PMCID: PMC2886863
14. Wu, K.C., **Cui, J.Y.**, and Klaassen, C.D. (2011) Beneficial Role of Nrf2 in Regulating NADPH Generation and Consumption *Toxicol Sci.* PMID: 21775727, PMCID: PMC3179677
15. Renaud, H.J., **Cui, J.Y.**, and Klaassen, C.D. (2011) Tissue distribution and gender-divergent expression of 78 cytochrome P450 mRNAs in mice *Toxicol Sci.* 124: 261-277. PMID: 21920951, PMCID: PMC3216415
16. **Cui, J.Y.**, Gunewardena, S.S., Yoo, B., Renaud, H.J., Lu, H., Zhong, X.B., and Klaassen, C.D. (2012) RNA-Seq Reveals different mRNA abundance of transporters and their alternative transcript isoforms during liver Development *Toxicol Sci.* 127: 592-609. PMID: 22454430, PMCID: PMC3355312
17. Aleksunes, L.M., Yeager R.L., Wen X., **Cui, J.Y.**, and Klaassen, C.D. (2012) Repression of hepatobiliary transporters and differential regulation of classic and alternative bile acid pathways in mice during pregnancy. *Toxicol Sci.* 130: 257-268. PMID: 22903823, PMCID: PMC3498745
18. Lu, H., **Cui, J.Y.**, Gunewardena, S., Yoo, B., Zhong, X.B., and Klaassen, C.D. (2012) Hepatic ontogeny and tissue distribution of mRNAs of epigenetic modifiers in mice using RNA-sequencing. *Epigenetics* 7: 914-29. PMID: 22772165, PMCID: PMC3427287
19. **Cui, J.Y.**, Renaud, H.J., and Klaassen, C.D. (2012) Ontogeny of novel cytochrome P450 gene isoforms during postnatal liver maturation in mice. *Drug Metab Dispos.* 49:1226-1237. PMID: 22446519, PMCID: PMC3362787
20. **Cui, J.Y.**, Aleksunes, L.M., Tanaka, Y., Fu, Z.D., Guo, Y., Guo, G.L., Lu, H., Zhong, X.B., and Klaassen, C.D. (2012) Bile acids via FXR initiate the expression of major transporters involved in the enterohepatic circulation of bile acids in newborn mice. *Am J Physiol Gastrointest Liver Physiol.* 302: G979-G996. PMID: 22268101, PMCID: PMC3362079
21. Wu, K.C., **Cui, J.Y.**, and Klaassen, C.D. (2012) Effect of graded Nrf2 activation on phase-I and -II drug metabolizing enzymes and transporters in mouse liver. *PLoS One.* 7:e39006. PMID: 22808024, PMCID: PMC3395627

22. Lu, H., Gunewardena, S., Cui, Y., Yoo, B., Zhong, X.B., and Klaassen, C.D. (2013) RNA-Sequencing quantification of hepatic ontogeny and tissue distribution of mRNAs of phase-II enzymes in mice. *Drug Metab Dispos.* PMID: 23382457, PMCID: PMC3608454
23. Peng, L., Cui, J.Y., Yoo, B., Gunewardena, S., Lu, H., Zhong, X.B., and Klaassen, C.D. (2013) RNA-Sequencing Quantification of Hepatic Ontogeny of Phase-I Enzymes in mice. *Drug Metab Dispos.* PMID: 24080161, PMCID: PMC3834128
24. Fu ZD, Cui JY, Klaassen CD (2014) Atorvastatin induces bile-acid synthetic enzyme Cyp7a1 by suppressing FXR signaling in both liver and intestine in mice. *J Lipid Res.* PMID: 25278499, PMCID: PMC4242450
25. Liu J, Lu H, Lu YF, Lei X, Cui JY, Ellis E, Strom SC, Klaassen CD (2014) Potency of individual bile acids to regulate bile acid synthesis and transport genes in primary human hepatocyte cultures. *Toxicol Sci.* PMID: 25055961, PMCID: PMC4271050
26. Song P, Rockwell CE, Cui JY, Klaassen CD (2015) Individual bile acids have differential effects on bile acid signaling in mice. *Toxicol App Pharmacol.* PMID: 25582706, PMCID: N/A
27. Guo Y, Cui JY, Lu H, Klaassen CD (2015) Effect of various diets on the expression of phase-I drug-metabolizing enzymes in livers of mice. *Xenobiotica.* PMID: 2573328
28. Guo Y, Cui JY, Lu H, Klaassen CD (2015) Effect of nine diets on xenobiotic transporters in livers of mice. *Xenobiotica.* PMID: 25566878
29. Selwyn FP, Cui JY, Klaassen CD (2015) RNA-Seq Quantification of Hepatic Drug Processing Genes in Germ-Free mice. PMID: 25956306; PMCID: N/A (in press)
30. Selwyn FP, Cheng SL, Bammler TK, Prasad B, Vrana M, Klaassen C, and Cui JY* (2015) Developmental Regulation of Drug-processing Genes in Livers of Germ-free Mice. PMID: 26032512; PMCID: N/A (in press)

Book Review

1. Virtual Screening: Principles, Challenges, and Practical Guidelines (ISBN: 9783527326365) 2011 <http://www.Doody.com>
2. Bioinformatics and Drug Discovery (ISBN: 9781617799648) 2012 <http://www.Doody.com>

Funding History

Funded projects:

Active:

1R01GM111381 (Cui, Y) 09/10/2014 - 06/30/2019

NIH

Developmental Regulation of Drug Metabolism by Targeting the Gut Microbiome

Role: PI

Major Goals: To determine the role of gut microbiome in drug metabolism and transport during postnatal liver development.

Note: current salary support of the PI as well as a Research Assistant and a Research Staff comes from the Start-up fund which is composed of CEEH, DEOHS, and Murphy Endowment per agreement described in the recruitment letter. Anticipated changes in the next year: None.

Transfer:

2R01ES019487-07 07/01/2015 – 04/30/2016
Developmental Regulation of Drug Processing Genes
Role: PI

Major Goals: Newborn humans are not as effective as adults in eliminating drugs and other chemicals from their bodies. The objective of this proposal is to elucidate the regulatory mechanisms of ontogenic expression of drug processing genes in mice.

Pending:

1R01ES025708-01 07/01/2015 – 06/30/2020
Epigenetic Regulation of Drug Metabolism by Developmental Exposure to PBDEs
Role: co-PI

Major goals: Developmental exposure to PBDEs has raised great safety concerns in newborns and children; the proposed study will determine how developmental exposure to PBDEs alter the chromatin epigenetic memory and the nuclear receptor signaling during and beyond childhood (**IRG review score: 7%**; NIEHS 2015 funding strategy: top 10%).

RGM116982A 10/01/2015 – 09/30/2020
Unveiling the 4-D Pharmacological Cistrome of PXR using CHIA-PET
Role: PI

Major Goals: The propose work will utilize ChIA-PET to investigate the three-dimensional interactions of the cistrome of PXR in liver during development.

(All current grants and grant submissions listed above are MA/AF mission-related)

Conferences and Symposiums

Invited Speaker:

- *4/15/2009 “Developmental Regulation of Drug Metabolism and Disposition in Mouse Liver” Invited by Dr. James Daniel (MD), Pediatric Department, Children’s Mercy Hospital, Kansas City
- *4/4/2013 “The Nuclear Receptor CAR in Liver is a Novel Regulator of the Anti-obesity Hormone Irisin,-An Exercise-independent Approach to Conquer Obesity” Invited by Dr. Debra Sullivan (PhD, RD), Professor and Chair, Department of Dietetics and Nutrition, School of Health Professions, KUMC
- *6/13/2013 “Transcriptome Profiling of Liver Genes during Development using RNA-Seq”, KUMC Illumina Seminar, invited by Clark Bloomer, Project Supervisor, KUMC Genomic Sequencing Facilities
- 11/20/2014 “Gut Microbiome: a Novel Frontier in Drug metabolism” invited by Department of Comparative Medicine, Gnotobiotic Animal Core Facility, University of Washington
- 12/03/2014 “Developmental Regulation of Drug-Processing Genes” Center for Ecogenetics and Environmental Health (CEEH) Annual Retreat, University of Washington

Meeting Abstracts:

1. **Cui, Y.**, Cheng, X.G., and Klaassen, C.D.: Tissue distribution, gender differences, ontogeny, and chemical induction of multidrug resistance genes (Mdr1a, Mdr1b, Mdr2) in mice. 46th National Society of Toxicology Meeting (2007) ID # 344
2. **Cui, Y.**, Aleksunes, L.M., Tanaka, Y., Goedken, M.J., and Klaassen, C.D.: ANIT-treated FXR-null mouse livers exhibit more single cell degeneration due to impaired induction of efflux transporters. 47th National Society of Toxicology Meeting (2008) ID # 415727
3. Aleksunes, L.M., **Cui, Y.**, Hunt, J., and Klaassen, C.D.: Preferential expression of xenobiotic efflux transporters in mouse fetal membranes compared to placenta. 47th National Society of Toxicology Meeting (2008) ID # 2020
4. **Cui, Y.**, Aleksunes, L.M., Tanaka, Y., and Kaassen, C.D.: Bile acids in newborns initiate the expression of major hepatic transporters involved in enterohepatic circulation. 59th National AASLD Meeting (2008) ID # 503760
5. **Cui, Y.**, Aleksunes, L.M., Tanaka, Y., Goedken, M.J., and Klaassen, C.D.: Compensatory induction of liver efflux transporters in response to ANIT-induced liver injury is impaired in FXR-Null mice. Central State Society of Toxicology Meeting (2008)
6. **Cui, Y.**, Zhong, X.B., and Klaassen, C.D.: Ontogenic expression of hepatic microRNAs correlates with histone H3K4 di-methylation during mouse liver development. 48th National Society of Toxicology Meeting (2009) ID # 559714
7. Hart, S.N., Li, Y., **Cui, Y.**, Klaassen, C.D., and Zhong, X.B.: Dynamic DNA and histone methylation influences the ontogeny of xenobiotic metabolizing genes during postnatal mouse liver maturation. National Experimental Biology Meeting (2009) FASEB J, April, 23: 752.4.
8. Li, Y., **Cui, Y.**, Hart, S.N., Klaassen, C.D., and Zhong, X.B.: Dynamic histone methylation is associated with ontogenic expression of Cyp3a genes during mouse liver maturation. National Experimental Biology Meeting (2009) FASEB J, April, 23: 752.5.
9. **Cui, Y.J.**, Gunewardena, S.S., and Klaassen C.D.: Global Nuclear Occupancy of PXR and Co-existence of Histone H3K4 Di-methylation Resulting in Activation of Drug-Processing Genes in Mouse Liver. 16th North American Regional ISSX Meeting (2009) ID # 17309
10. **Cui, Y.J.**, Gunwardena, S.S., and Klaassen C.D.: ChIPing the Cistrome of PXR in Mouse Liver. Central States Society of Toxicology (2009)
11. **Cui, Y.J.**, Gunewardena, S.S., and Klaassen C.D.: Genome-wide Profiling of PXR Reveals Unique DNA Binding Patterns and Co-existence of Distinct Epigenetic Signatures Resulting in Temporal Activation of Drug-Processing Genes and miRNAs in Mouse Liver. 60th National AASLD Meeting (2009) ID # 673
12. **Cui, Y.J.**, Gunewardena, S.S., and Klaassen C.D.: Characterizing the Global Nuclear Occupancy of Hepatic PXR and Target Gene Profiles in the Mouse Genome. 4th National Graduate Student Research Festival (2009) NIH
13. Renaud, H.J., **Cui, J.Y.**, and Klaassen, C.D.: Ontogeny of 78 cytochrome P450s during postnatal liver maturation in mice. Society of Toxicology of Canada 42nd Annual Symposium Meeting (2010). Montreal, Canada
14. **Cui, J.Y.**, Liu, J, Fu, Z.D., Guo, Y., and Klaassen, C.D.: microRNAs are essential for bile acid homeostasis during liver development in mice. K-INBRE (Kansas IDeA Network of Biomedical Research Excellence) Symposium (2011)
15. **Cui, J.Y.**, Gunewardena, S.S., Yoo, B., Liu, J., Lu, H., Zhong, X.B., and Klaassen, C.D. RNA-Seq reveals different abundance of transporters and presence of novel isoforms during

- liver development. Central State Society of Toxicology Annual Meeting (2011)
16. Wu, K.C., **Cui, J.Y.**, and Klaassen, C.D.: Beneficial role of Nrf2 in regulating NADPH generation and consumption (2011) National Society of Toxicology Meeting, Abstract # 2503.
 17. **Cui, J.Y.**, Noll, A.C., Gunewardena, S.S., Yoo, B., Lu, H., Zhong X.B., and Klaassen, C.D. Decipher the transcriptome during Mouse Liver Development by RNA-Seq (2011) 18th North American Regional ISSX Meeting
 18. **Cui, J.Y.**, Lickteig, A.J., Lu, H., Zhong, X.B., and Klaassen, C.D.: Tissue distribution, ontogeny, and pharmacological regulation of RNA-binding proteins in mice (2011) 62nd National AASLD Meeting
 19. Noll, A.C., **Cui, J.Y.**, Lu, H., Zhong, X.B., and Klaassen, C.D.: Epigenetic gene expression during liver development, response to PXR and CAR activation and in the major drug processing tissues in mice (2011) 62nd National AASLD Meeting
 20. **Cui, J.Y.**, Gunewardena, S.S., Yoo, B., Lickteig, A.J., Lu, H., Zhong, X.B., and Klaassen, C.D. Transcriptome-wide profiling of PXR and CAR-target genes by RNA-Seq in mouse liver. Central State Society of Toxicology Annual Meeting (2012)
 21. **Cui, J.Y.**, Gunewardena, S.S., Yoo, B., Renaud, H.J., Lu, H., Zhong, X.B., and Klaassen, C.D. True- quantification of “house-keeping” genes in developing mouse liver by RNA-Seq. 19th North American Regional ISSX Meeting
 22. **Cui, J.Y.**, Gunewardena, S.S., Yoo, B., Lickteig, A.J., Lu, H., Zhong, X.B., and Klaassen, C.D. Transcriptome-wide profiling of PXR and CAR-target genes by RNA-Seq in mouse liver. 19th North American Regional ISSX Meeting
 23. **Cui, J.Y.**, Gunewardena, S.S., Yoo, B., Peng, L., Liu, J., Renaud, H.J., Lu, H., Zhong, X.B., and Klaassen, C.D. Ontogenic profiling of the nuclear receptor superfamily in mouse liver RNA-Seq. 63rd National AASLD Meeting (2012)
 24. Selwyn F, **Cui YJ**, and Klaassen CD (2014) Regulation of Drug-processing Genes in Intestine of Germ-free Mice 53rd Society of Toxicology Annual Meeting, 2014.
 25. **Cui YJ**, Selwyn F., and Klaassen CD (2014) Expression of Drug Processing Genes in Livers of Germ Free mice, 2014
 26. Selwyn, Klaassen, and **Cui YJ*** (2014) Lack of gut microbiota alters the ontogeny of drug processing genes in mouse liver. Abstract #2. Pacific Northwest Association of Toxicology 2014 Regional Chapter Meeting.
 27. Selwyn F., Prasad B., Vrana M., Klaassen CD., and **Cui, YJ*** (2015) Effect of Gut Microbiome Depletion on the Ontogeny of Drug-Processing Genes in Mouse liver. Abstract # 707, 54th Society of Toxicology Annual Meeting.
 28. Cheng L, Nteeba J, Keating A, and **Cui JY*** (2015) Impact of Obesity on the Expression of Xenobiotic Metabolism Genes in the Mouse Liver. #1096, 54th Society of Toxicology Annual Meeting
 29. Li Y, Cheng L, Kania-Korwel I, Lehmler HJ, **Cui JY*** (2015) Effect of PCB136 exposure on drug transporters and PPAR α -signaling in mouse liver #75, 54th Society of Toxicology Annual Meeting

University Service (List the entire history; Activity, Dates, [Role])

- 2006-2009 Student Representative of KUMC International Affairs Committee, University of Kansas Medical Center, Kansas City, KS. Activity: International Affairs for education and research communication
- 2007-2008 President of KUMC Cultural Exchange Program, University of Kansas Medical Center, Center, Kansas City, KS. Activity: Cultural enrichment among international students and scholars as well as Native Americans with the university
- 2014-present Member of Diversity Committee, DEOHS, UW

Professionally-Related Community Service

- 2011-2012 Postdoctoral Representative of Central State Society of Toxicology (CS-SOT)

Teaching History

Students that I have trained for research:

1. Marn Joon Park and Chul Hyun Park: medical students from Seoul Medical School, for a 2-months research rotation. Project: characterizing the regulation of flavin monooxygenase and N-acetyltransferases in mice
2. Repon Khan: Ph.D. student from University of Kansas Medical Center, for a 2-months research rotation. Project: characterizing the tissue distribution and ontogeny of novel cytochrome P450s in mice
3. Felcy Pavithra Selwyn Samraj: Ph.D. student from University of Kansas Medical Center, for a 2-months rotation. Project: characterizing the regulation of microsomal epoxide hydrolase in mice
4. Connie Kai Wu: graduate student in Dr. Curtis Klaassen's laboratory. Project: microarray data analysis, DNA motif analysis for transcription factor binding, and pathway analysis (using R programming language)
5. PhD student: Cindy Yanfei Li: Mentor of Cindy since July 1st 2014. Training Cindy on a day-to-day basis on laboratory techniques, toxicological principles, as well as scientific writing skills. Sponsored Cindy to present a poster at the PAWAT SOT regional meeting in September 2014; sponsored Cindy to attend a one-week workshop on ChIA-PET techniques and bioinformatics in Jackson Laboratory Genome Medicine (Connecticut) in November 2014; sponsored Cindy to present a poster at the 54th SOT National Meeting in San Diego in March 2015. Mentoring Cindy to write her first-authored manuscript on neonatal exposure to PXR and CAR activators on drug-processing gene expression in liver.
6. Undergraduate students: Yubin Song; Shinhee Park; and SooWan Lee: Mentoring these students on a day-to-day basis on laboratory techniques, toxicological principles, as well as scientific writing skills. Sponsored Yubin to present a platform presentation at the 2015 UW Undergraduate Research Symposium, as well as the 2015 International Undergraduate Research Forum (ICR).
7. Rotation student: Carly Strecker (MS): Mentor of Carly from December 2014 to January 2015. Training Carly on a day-to-day basis on laboratory techniques, toxicological principles,

as well as scientific writing skills.