

# ADRIENNE L. KATNER

*Curriculum vitae*

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Louisiana State University Health Sciences  
Center, School of Public Health  
Environmental & Occupational Health  
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## EDUCATION

- 2011 Environmental Science & Engineering (DEnv)**  
Graduate School of Public Health, UCLA, Los Angeles, CA  
Advisor: Irwin (Mel) Suffet; Dissertation: "Assessment of Louisiana's Fish Tissue Mercury Levels, Sportfish Consumption, Methylmercury Intake and Potential Risk: Implications for Monitoring, Advisory Development and Outreach"
- 1998 Soil, Water & Environmental Science (MS)**  
Graduate School of Agriculture, University of Arizona, Tucson, AZ  
Advisor: Charles Gerba; Thesis: "Evaluation of an Integrated Cell Culture-Polymerase Chain Reaction Method for the Detection of Live Enteroviruses in Groundwater Impacted by Reclaimed Wastewater"
- 1994 Molecular, Cellular & Developmental Biology (BA)**  
Undergraduate School of Biological Sciences, UC Santa Cruz, Santa Cruz, CA  
Advisor: William Sullivan; Thesis: "Classical Genetic Analyses to Identify Homeobox Genes and Temperature Shift-Sensitive Maternal Zygotic Mutations in *Drosophila melanogaster*"

## ACADEMIC APPOINTMENTS AND PROFESSIONAL EMPLOYMENT

- 2014-Present Assistant Professor**  
Louisiana State University Health Sciences Center, School of Public Health  
Environmental and Occupational Health Sciences Program, New Orleans, LA  
(1/2014-Present). P.I. of 2 grants within 1st 2 years (\$125,502- 14.4% effort) and  
Investigator of 1 grant (\$199,996- 2% effort) (113 citations as of 7/2015).  
Course Director for "Introduction to Occupational Health" and "Environmental  
Policy and Public Health"

**2006-2013 Environmental Health Scientist**

Louisiana Department of Health and Hospitals, Office of Public Health Section of Environmental Epidemiology & Toxicology (SEET), New Orleans, LA (11/2006- 12/2013). P.I. 3.4 million NIH Environmental Public Health Tracking Grant. Program Manager: LA Environmental Public Health Tracking Program; LA Fish Advisories Program; LA Occupational Health Program; LA Adult Blood Lead Epidemiology and Surveillance (ABLES) Program; LA Sentinel Event Notification System for Occupational Risks (SENSOR)-Pesticides Program; LA Heavy Metal & Carbon Monoxide Surveillance Program

**2005-2006 Research Fellow**

National Institutes of Health (NIH), National Cancer Institute (NCI) Occupational & Environmental Epidemiology Branch (OEEB), Rockville, MD (3/2005- 11/2006). Exposure assessment for nationwide case-control study of non-Hodgkin Lymphoma (NHL) and industrial releases.

**PUBLICATIONS****Books**

1. **Katner A. 2011.** *Assessment of Louisiana's Fish Tissue Mercury Levels, Sportfish Consumption, Methylmercury Intake and Potential Risk: Implications for Monitoring, Advisory Development and Outreach.* ProQuest, UMI Publishing, Ann Arbor, MI. ISBN-10: 1243607866; ISBN-13: 978-1243607867. [LINK](#)

**Refereed Journal Articles**

1. **Katner A,** Pieper K, Lambrinidou Y, Edwards M, Brown K, Hu C, Mielke H. **2016.** Weaknesses in drinking water regulations and public health policies that may impede lead poisoning prevention and environmental justice. Manuscript submitted to *J Environmental Justice.*
2. Lackovic M, Paul V, Tilson P, **Katner A. 2016.** Heat-stress hospitalizations and emergency room visits: Analysis of trends and public health needs to enable future adaptation to climate change in Louisiana. Manuscript submitted to *Public Health Reports.*
3. **Katner A,** Hu C, Diaz J. **2016.** Evaluation of water lead levels in the New Orleans area: Implications for federal and state policies, outreach messages and intervention approaches. Manuscript in preparation. *J Am Public Health Assn.*
4. **Katner A,** Brown K. **2016.** Critical review of federal guidelines for lead screening of pregnant and lactating women. Manuscript in preparation. *J LA State Medical Society.*
5. **Katner A,** Lackovic M, Streva K, Paul V, Trachtman C. **2015.** Evaluation of available data sources to prioritize parishes for arsenic monitoring and outreach related to private well water. *J Pub Health Management and Practice, Mar.-Apr., 21(2):S93-S101.* [LINK](#)

6. **Katner A. 2015.** Prioritization of Louisiana parishes based on industrial releases of known or suspected carcinogens. *J of LA State Med. Soc.* 167(3): 122-128.
7. **Katner A, Sun MH, Suffet M. 2013.** A methylmercury risk screening assessment to identify fish species and populations of potential concern. *Public Health Frontier.* Sept, 2(3): 156-165.
8. **Katner A, Peak K, Sun MH, Badakhsh R. Woods. 2012.** Emergency department visits for carbon monoxide poisoning in LA. *J. of LA State Med. Soc.* 164(6): 306-310. [LINK](#)
9. **Katner A, Ogunyinka E, Sun MH, Lavigne L, Suffet M. 2011.** Fishing, fish consumption and advisory awareness among Louisiana's recreational fishers. *Environ. Res.* 111(8):1037-1045.[LINK](#)
10. **Katner A, Sun MH, Suffet M. 2010.** An evaluation of mercury levels in Louisiana fish: Trends and public health issues. *Sci. Tot. Environ.* 408:5707-5714. [LINK](#)
11. Ahsan SA, Lackovic M, **Katner A, Palermo C. 2009.** Metal fume fever: review of the literature and cases reported to the LA Poison Control Center. *J of LA State Med. Soc.* 161(6): 348-351.[LINK](#)
12. Blanchard K, Proverbs-Singh T, **Katner A, Lifsey D, Pollard S, Rayford W. 2005.** Knowledge, attitudes and beliefs of women about the importance of prostate cancer screening. *J Nat. Med. Assoc.* 97(10) 1379-1385. [LINK](#)
13. Koochekpour S, Maresh G, **Katner A, Johnson K, Lee T, Hebert F, Kao Y, Skinner J, Rayford W. 2004.** Establishment and characterization of a primary androgen-responsive African-American prostate cancer cell line, E006AA. *Prostate* 60 (2): 141-152. [LINK](#)
14. **Katner A, Hoang Q, Gnarra J, Rayford W. 2002.** Induction of cell cycle arrest / apoptosis in human prostate carcinoma cells by a recombinant adenovirus expressing p27<sup>Kip</sup>. *Prostate* 53 (1):77-87, ('02). [LINK](#)
15. **Katner A, Gootam P, Gnarra J, Rayford W. 2002.** A recombinant adenovirus expressing p27<sup>(Kip1)</sup> induces cell cycle arrest/apoptosis in human 7860 renal carcinoma cells. *J. Urol.*168 (2):766-773. [LINK](#)

### Book Chapters

1. Cohen Y, **Katner A. 2007.** "Improvement of Risk Assessments for Multicontaminant Sites in the Face of Critical Data Gaps." Chapter in textbook *Risk Assessment for Environmental Health*. Ch 17, p 489-509. Editors: Robson MG, Toscano WA, Toscano G. Jossey- Bass, San Francisco, CA. ASPH ISBN-10: 0-7879-8319-5. [LINK](#)
2. Gerba C, Seidel G, Oswald A, **Katner A. 2001.** "Pathogen Studies." Chapter in book *Soil Aquifer Treatment for Sustainable Water Reuse*. Ch 5, p 123-143. Editor: Fox P, American Water Works Association (AWWA) and AWWA Research Foundation. Denver, CO. ISBN-10: 1583211330; ISBN-13: 9781583211335 [LINK](#)

### Conference Proceedings

1. **Katner A, Pieper K, Lambrinidou Y, Brown K, Hu C, Mielke H, Edwards M.** Impact of weaknesses in the Lead and Copper Rule on lead poisoning prevention efforts. American

- Water Works Association's Sustainable Water Management Conference, New Orleans, LA (3/20/2017).
2. **Katner A**, Hu C, Diaz J. Drinking water: An underestimated source of lead exposure? 79<sup>th</sup> National Environmental Health Association Meeting and US Housing and Urban Development's Healthy Homes Conference. San Antonio, TX (6/14/2016).
  3. **Katner A**, Michael A, Rabito F. Buildings and human health: Lead and beyond. U.S. Green Building Council- Forward Symposium on Sustainability. New Orleans, LA (5/13/2016).
  4. **Katner A**, Brown K, Hu C, Diaz J. Legacy of lead water lines: hazard assessment, exposure modeling and implications to public health, policy and outreach. *The Toxicologist, Supplement to Toxicological Sciences*, 150(1): 466. Soc. of Toxicology's 55<sup>TH</sup> An. Meeting. New Orleans, LA (3/16/2016).
  5. **Katner A**, Brown K, Hu C, Diaz J. Identification of deficient water utility compliance testing methods and lead exposure prevention guidelines: Implications for low-income families. Xavier Univ. of Louisiana 9<sup>th</sup> Health Disparities Conference, New Orleans, LA (3/1/2016).
  6. Harris C, Evans-Williams T, Johnson-Bludsaw A, Huynh N, **Katner A**. Identifying and addressing knowledge gaps of medical providers to support the state's prevention efforts. Louisiana State University Health Sciences Center-New Orleans Educational Scholarship Day. Academy for Advancement of Educational Scholarship. New Orleans, LA (10/28/2015).
  7. **Katner A**, Brown K. Evaluation of environmental and educational interventions to reduce childhood lead poisoning from an underestimated lead source- drinking water. National Lead and Healthy Housing Conference. New Orleans, LA (10/8/2015).
  8. **Katner A**. Policy lapses and recommendations for addressing childhood lead poisoning in New Orleans. Proceedings of the Xavier University College of Pharmacy 8<sup>th</sup> Health Disparities Conference. New Orleans, LA (3/12/2015).
  9. Diaz J, Brisolaro K, **Katner A**, Hendricks M. Laws affecting cross-state licensure, quarantine and control of infectious disease. International Disaster Conference and Exposition. New Orleans, LA (2/11/2015).
  10. **Katner A**. Evaluation of the success of information disclosure on reducing environmental releases of known and suspected carcinogens in Louisiana. Proceedings of the Annual Meeting of the American Public Health Association, New Orleans, LA (11/18/2014).
  11. Lackovic M, **Katner A**, Streva K. Evaluation of available data to identify potential arsenic hotspots. Proceedings of the Annual Meeting of the American Public Health Association, New Orleans, LA (11/17/2014).
  12. Lackovic M, **Katner A**, Lewis J, Paul V. Occupational heat-related illness, Louisiana 2010-2011. Proceedings of the Annual Meeting of the American Public Health Association, New Orleans, LA (11/18/2014).

13. **Katner A.** Evaluation of the success of public disclosure on reducing environmental releases of known and suspected carcinogens in Louisiana. Proceedings of the Annual Meeting of the Louisiana Cancer Research Consortium. New Orleans, LA. (3/27/**2014**).
14. Lackovic M, **Katner A**, Streva K. Evaluation of available data sources for inclusion in a statewide tracking system for well water arsenic hazards and potential exposures. Proceedings of the Council of State and Territorial Epidemiologists Annual Conference, Nashville, TN (6/23/**2014**).
15. Woods A, **Katner A**, Streva K. Arsenic in well water in Louisiana: Evidence to support mandatory monitoring and reporting. Proceedings of the National Conference of Lead and Healthy Homes Grantees. New Orleans, LA (5/1/**2012**).
16. Ramson M, Williams E, **Katner A**. Impact of environmental and occupational health programs in Louisiana. Proceedings of the Louisiana Public Health Association Annual Conference. Lafayette, LA (4/11/**2012**).
17. **Katner A.** Louisiana's fish advisory program: assumptions and fish-tissue mercury levels. Proceedings of the EPA National Forum on Contaminants in Fish, Portland, Oregon (11/3/**2009**). [LINK](#)
18. **Katner A**, Soileau S, Piehler C. Evaluation of spatiotemporal variation in LA's fish-tissue mercury concentrations. Proceedings of the EPA National Forum on Contaminants in Fish, Portland, Maine (6/25/**2007**).
19. **Katner A**, Divan H, Ward M, Nuckols JR. Using GIS to evaluate environmental exposures to solvent releases and risk of non-Hodgkin Lymphoma. Proceedings of the National Institutes of Health, National Cancer Research Institute 1<sup>st</sup> Annual Conference, Rockville, MD (11/8/**2005**).
20. **Katner A**, Cohen Y. Environmental impact assessment of a multiuse industrial facility: scientific rigor, uncertainty, and participation of stakeholders. Proceedings of the Annual Conference of the American Institute of Chemical Engineers, Cincinnati, OH (10/30/**2005**).
21. **Katner A**, Cohen Y. Exposure assessment involving an aerospace facility with limited monitoring data. Proceedings of Environmental Science and Technology. Vol 1. Editors: Lyon WG, Hong J, Reddy RK. American Science Press. First International Conference on Environmental Science and Technology, New Orleans, LA; ISBN 0-9768853-4-4 (1/24/**2005**).
22. **Katner A**, Nuckols JR. An evaluation of potential public health risks from industry-released air toxics in LA using the EPA's Risk Screening Environmental Indicators (RSEI) model. Proceedings of the International Society for Environmental Epidemiology / International Society of Exposure Analysis Annual Joint Conference, Washington DC (5/4/**2005**).
23. **Katner A**, Cohen Y. Risk assessments in the face of critical data gaps: involvement of stakeholders and establishing trust. Proceedings of the Annual Meeting of the Society for Risk Analysis, Palm Springs, CA (12/7/**2004**).

24. **Katner A**, Cohen Y. Environmental impact assessments: scientific rigor, objectivity, uncertainties, transparency and effective participation of stake holders. Fifth Conference on Environmental Health Risk Assessment: Assessment, Management and Communications, Minnesota, MN (6/5/2004).
25. Gootam P, **Katner A**, Hoang P, Rayford W. Induction of tumor suppression in renal carcinoma infected mice by p27<sup>(Kip1)</sup> induction. Proceedings of the 96<sup>th</sup> Annual Conference of the American Urological Association, Atlanta, GA (5/25/2001).
26. Qiangwei M, **Katner A**, Bryan W, Davis R, Rayford W. Evaluation of Adp27 (Kip1) in human prostate carcinoma cell lines LNCaP and DU145. Proceedings of the Annual Conference of the Southeast American Urological Association, Orlando, FLA (3/18/2000).
27. **Katner A**, Ma Q, Gootam P, Hoang Q, Gnarra J, Rayford W. Recombinant adenovirus expressing p27<sup>(Kip1)</sup> induces cell cycle arrest and apoptosis in human prostate carcinoma cells. Proceedings of the Annual Meeting of the American Urological Association, Atlanta, GA (5/10/2000).
28. **Katner A**, Gerba CP. Evaluation of PCR for detection of enteroviruses in groundwater impacted by reclaimed wastewater. Proceedings of the 98<sup>th</sup> Conference of the General American Society of Microbiology, Atlanta, GA (5/20/1998).
29. Roy MT, **Katner A**, Freistadt MS. Strategy to identify the host cell surface receptor for Human T-Cell Lymphotropic Virus-I. Proceedings of the 16<sup>th</sup> Annual Meeting for the American Association for Virology. Bozeman, MT (6/20/1997).

### Encyclopedia Entries

1. **Katner A. 2016.** "Atomic Energy Commission", "Toxic Substances and Disease Registry", "Material Safety Data Sheet", "National Environmental Public Health Tracking Network", "Pollution Prevention Act", "Nuclear Regulatory Commission" in *Environmental Health in the 21<sup>st</sup> Century: From Air Pollution to Zoonotic Diseases*. Editor: Crume, Richard, 2 vols. Santa Barbara, CA: ABC-CLIO (Greenwood Imprint). *Manuscript submitted.*

### Manuscripts in Submission

1. Lackovic M, Paul V, Tilson P, **Katner A**. Heat-stress hospitalizations and emergency room visits: Analysis of trends and public health needs to enable future adaptation to climate change in Louisiana. Manuscript submitted to *Public Health Reports*. (2016).
2. **Katner A**, Brown K, Hu C, Diaz J. Weaknesses in drinking water regulations and public health policies that may impede lead poisoning prevention. Manuscript submitted to *J Environmental Justice*. (2016).

### Manuscripts in Preparation

1. **Katner A**, Hu C, Diaz J. Evaluation of water lead levels in the New Orleans area: Implications for federal and state policies, outreach messages and intervention

- approaches. Manuscript to be submitted to the *Environmental Health Perspectives*.
2. **Katner A**, Brown K. Critical review of federal guidelines for lead screening or pregnant and lactating women. Manuscript to be submitted to *J LA State Medical Society*.
  3. Pieper K, **Katner A**. Summary review of water remediation options. Manuscript to be submitted to *Env. Sci. and Technol.*

### Web-Based Publications

1. **Katner A**, Streva K, Sun MH, Paul V. Reproductive Outcomes: Prematurity, Low Birth Weight, Fertility Rate, Sex Ratio and Mortality, Louisiana. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2013). [LINK](#)
2. **Katner A**, Streva K, Sun MH, Paul V. Asthma: Hospitalizations and Emergency Department Visits, Louisiana. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2013). [LINK](#)
3. **Katner A**, Streva K, Sun MH, Paul V. Heart Attacks: Hospitalizations, Louisiana. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2013). [LINK](#)
4. **Katner A**, Streva K, Sun MH, Paul V. Birth Defects, Louisiana. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2013). [LINK](#)
5. **Katner A**, Streva K, Sun MH, Paul V. Carbon Monoxide Poisoning: Hospitalizations, Emergency Department Visits and Deaths in Louisiana. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2013). [LINK](#)
6. **Katner A**, Streva K, Sun MH, Paul V. Heat Stress: Hospital Admissions, Emergency Department Visits and Deaths in Louisiana. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2013). [LINK](#)
7. Lackovic M, **Katner A**. Summary of Pesticide Surveillance Data: Louisiana, 2006-2011. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2013). [LINK](#)
8. **Katner A**, Streva K, Sun MH, Paul V. Heat Vulnerability in Louisiana. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2012). [LINK](#)
9. **Katner A**, Streva K, Sun MH, Paul V. Louisiana Air Quality: Ozone and PM2.5. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2012). [LINK](#)
10. **Katner A**, Streva K, Sun MH, Paul V. Lead Poisoning (Childhood): Risk Factors, Louisiana. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2011). [LINK](#)
11. **Katner A**, Streva K, Sun MH, Paul V. Lead Poisoning (Childhood): Blood Testing, Louisiana. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2011). [LINK](#)

### Government Publications

1. **Katner A**. Louisiana Community Environmental Health Profiles. Louisiana Department of Health and Hospitals. Baton Rouge, LA (2015).
2. **Katner A**, Clarke C, Williams E. Blood Lead Surveillance in Children and Adults- Louisiana, *LA Morbidity Report*, Jan-Feb., 24(1):4-6 (2012).
3. DuClos C, Folsom J, Stewart D, Frierson G, **Katner A**, Agwale V, et al. Metadata Creation and Usability Whitepaper: A Primer for Content Creation, Searchability and Messaging.

- US Centers for Disease Control and Prevention, Environmental Public Health Tracking Program. Atlanta, GA (2012). [LINK](#)
4. Alexia D, Aubin K, Dugas D, Soileau S, **Katner A**. Assessment of Health Hazards Related to Indoor Copper Corrosion Possibly Associated with Imported Drywall. Louisiana Office of Public Health, Section of Environmental Epidemiology and Toxicology Report to the Secretary of Louisiana Department of Health and Hospitals. Baton Rouge, LA (2011).
  5. LA Seafood Safety Response and Quality Certification Plan: Post-Mississippi Canyon 252 (BP) Oil Spill. LA Depts. of Health and Hospitals, Environmental Health, Agriculture and Forestry, Wildlife and Fisheries. Baton Rouge, LA (2011).
  6. Aubin K, **Katner A**, Soileau S, Dugas D. Evaluation of St. Charles Parish Hospital Emergency Department Visits after DOW's Ethyl Acrylate Release. Report to the Secretary of Louisiana Department of Health and Hospitals. Louisiana Office of Public Health, Section of Environmental Epidemiology and Toxicology Baton Rouge, LA (2009).
  7. Aubin K, Olexia D, **Katner A**. Health Consultation for Union Carbide, St. Charles Parish, Louisiana. Report to the US Agency for Toxic Substances and Disease Registry (ATSDR). Louisiana Office of Public Health, Section of Environmental Epidemiology and Toxicology Baton Rouge, LA (2009). [LINK](#)
  8. Soileau S, **Katner A**, Streva K, Dugas D, Badakhsh R, Williams E, Frierson G. Establishing a Surveillance System to Track and Link Louisiana's Blood Mercury and Fish-Tissue Mercury Levels. Report to the Association of State and Territorial Health Officials' (ASTHO) State-to-State Peer Fellowship Program. Louisiana Office of Public Health, Section of Environmental Epidemiology and Toxicology Baton Rouge, LA (2009). [LINK](#)
  9. **Katner A**, Lackovic M, Doshani M, Gastanduy M, Koleva Y, Soileau S, White L, Dugas D. Conducting Occupational Health Surveillance during Emergency Events. LA Depts. of Health and Hospitals. Baton Rouge, LA (2009).
  10. McCormick M, **Katner A**, Soileau S, Locklin C, Badakhsh R, Lackovic M, Palermo C, White L, Dugas D. Blood Mercury Levels, LA, 2007. *LA Morbidity Rep.* 19 (6): 1-6 (2008). [LINK](#)
  11. **Katner A**, Soileau S, Dugas D, Ratard R. Mercury Levels in Seafood: Caught vs. Bought-Louisiana, 2007. *LA Moridity Rep.* 19 (1): 2-3 (2008). [LINK](#)
  12. Locklin C, Lackovic M, **Katner A**, Soileau S, Dugas D. Adult Blood Lead Testing in Louisiana. *LA Morbidity Rep.* 19(4)1-3 (2007). [LINK](#)
  13. Cohen Y, **Katner A**, Harmon T, Glik D, Grifoll J, Wheeler N, Chinkin L, Ryan P. The Potential for Offsite Exposures Associated with Santa Susana Field Laboratory, Ventura County, CA. Final Report prepared for the Agency for Toxic Substances and Disease Registry (ATSDR) through a contract arrangement by Eastern Research Group, Inc. (ERG) (2006). [LINK](#)
  14. **Katner A**, Divan H, Ward M, Nuckols JR. Retrospective Assessment to Quantify Potential Dioxin Exposures for a Nationwide Case-Control Study of Non-Hodgkin Lymphoma. Report to the National Institutes of Health, National Cancer Institute, Occupational and Environmental Epidemiology Branch, Rockville, MD (2005).



### Conference Abstracts

1. Musa O, **Katner A**. Government policies and practices may be thwarting prevention of childhood lead poisoning. Louisiana State University Health Sciences Center School of Public Health Delta Omega Honors Day. New Orleans, LA (4/8/2016).
2. Pate J, **Katner A**. Integrated exposure uptake biokinetic modeling to estimate the impact of drinking water lead levels on childhood blood lead levels. Louisiana State University Health Sciences Center Summer Research Presentation Day. New Orleans, LA (7/31/2015). **Placed third in category.**
3. Dunn-Smith L, Ratard R, **Katner A**, Scott-Waldron C, Romalevski C. Medical surveillance systems: understanding their strengths and weaknesses. Tulane Health Science Research Day. New Orleans, LA (2/20/2012).

### Acknowledged Contribution

1. Straif-Bourgeois S, Ratard R. Parkinson disease hospitalizations and mortality in Louisiana, 1999-2012. *J LA State Med. Soc.* 167(6):248-251 (2015). [LINK](#)
2. De Roos AJ, Davis S, Colt JS, Blair A, Airola M, Severson RK, Cozen W, Cerhan JR, Hartge P, Nuckols JR, Ward MH. Residential proximity to industrial facilities and risk of Non-Hodgkin Lymphoma. *Environ Res.* 110(1): 70-78 (2010). [LINK](#)
3. Bureau of Emergency Services. The Louisiana Injury Prevention Plan. Louisiana Department of Health and Hospitals, Office of Public Health, New Orleans, LA (2009).

### AWARDS AND HONORS

- 2015 Environmental Justice Award, presented at the Katrina Heroes Award 10 Year Commemoration. Sponsored by New Orleans non-profit 'A Community Voice' for 'those who have made a difference, and fought for equity in rebuilding and for a return of schools and services to low to moderate income neighborhoods'.
- 2015 Service Recognition, presented by Louisiana Office of Public Health, Healthy Homes and Childhood Lead Poisoning Prevention Program Advisory Board for service in support of reducing childhood lead poisoning.
- 2015 Certificate of Appreciation from Patrick F Taylor Academy in recognition of work as a Senior Project Mentor (Aug-Nov).
- 2015 Research presentation placed third in category at Louisiana State University Health Sciences Center Summer Research Presentation Day for "Integrated exposure uptake biokinetic modeling to estimate the impact of drinking water lead levels on childhood blood lead levels".
- 2012 Ranked #1 of Top Twenty BioMedLib Articles in field since publication (2011) for "Fishing, fish consumption and advisory awareness among LA's recreational fishers".

- 2012 Listed in LA Dept. of Health and Hospitals “Employee Appreciation Profiles”, Louisiana Department of Health and Hospitals, Office of Public Health.
- 2006 Dissertation Yr. Fellowship, University of California at Los Angeles (UCLA).
- 2005 Cancer Research Training Award Fellowship, National Cancer Institute.
- 2004 Public Health Student Association Scholarship, UCLA.
- 2004 William & Flora Hewlett Foundation Scholarship, UCLA.
- 2002 Chancellor’s Fellowship, 4 years, UCLA.
- 2000 Cancer Association of Greater New Orleans Research Award, Louisiana State University Health Sciences Center (LSUHSC).
- 1997 1<sup>st</sup> Prize: Best Conference Talk, 5<sup>th</sup> An. Northern Arizona University Environmental Studies Conference, Northern Arizona State University.
- 1994 Howard Hughes Research Foundation Award, University of California at Santa Cruz (UCSC)
- 1994 Honors Awarded in Major, UCSC.
- 1994 Honors Awarded in College, UCSC.
- 1993 Achievement Reward for College Scientists Scholarship, UCSC.

## GRANTS AND FELLOWSHIPS

### Current Grants

- |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|
| 2016 | LSUHSC Pilot Grant<br>Louisiana State University Health Sciences Center School of Public Health Pilot Grant Award<br><i>Assessment of Water Lead Levels in New Orleans Drinking Water Using Improved Monitoring Methods, and Critical Evaluation of Current Regulatory Compliance Testing Protocols and Prevailing Exposure Reduction Recommendations.</i> Funds LSUHSC doctoral biostatistics student to analyze drinking water data for New Orleans’ Lead Exposure Assessment for Drinking Water Study.<br><b>Role: Principal Investigator</b> | 8/2016-7/2017 | <b>\$25,000</b> |
| 2016 | LA CaTS Community Scholars Program<br>Louisiana Clinical and Translational Science Center (LA CaTS) Community Engagement and Outreach Resource (CEOR)<br><i>Community-Based Participatory Research Project to Reduce Childhood Lead Exposure in</i>                                                                                                                                                                                                                                                                                              | 4/2016-5/2017 | <b>\$10,000</b> |

*New Orleans' Low-Income Neighborhoods.* Funds community group involvement to increase study recruitment of high-risk low-income families into the New Orleans' Lead Exposure Assessment for Drinking Water study.

**Role: Principal Investigator**

- 2015 LEQSF (2015-18)-RD-A-13 (Katner, PI) 6/2015-5/2018 **\$110,502**  
 LA Board of Regent Support Fund, Research Competitiveness Subprogram (RCS)  
*Quantification of Drinking Water Lead Levels using Refined Sampling and Analysis Procedures.* Innovative tap water sampling and analysis methods will be compared to standard EPA methods; and used to conduct a more accurate assessment of lead levels in New Orleans drinking water, and evaluate simple exposure prevention strategies.  
**Role: Principal Investigator** (15% effort)
- 2015 EPA-G2015-ORD-C1 (Hooper-Bui,PI) 6/2015-5/2018 **\$1,999,996**  
 US Environmental Protection Agency  
*LSU-LSU Health Services Center Partnership for Undergraduate, Graduate and Postdoctoral Mentored Environmental Health Sciences Research.* Develop environmental science training program with the EPA. Mentor for students and course director for "Emerging Technologies in Occupational health" and Bioremediation workshop.  
**Role: Co-Investigator** (2% effort)

#### Past Grants

- 2014 LEQSF-EPS(2015)-PFUND-406 (Katner, PI) 11/2014-10/2015 **\$10,000**  
 Louisiana Board of Regents, National Science Foundation Experimental Program to Stimulate Competitive Research (EPSCoR) Pilot Funding Program  
*Quantification of Lead Levels in New Orleans Drinking Water Using Innovative Sampling and Detection Methods with Improved Lead Recovery.* Quantify lead levels in New Orleans tap water using innovative methods Revealed inconsistencies in common exposure reduction practices; inadequacies in utility compliance testing protocols; and gaps in policies which may thwart lead poisoning prevention.  
**Role: Principal Investigator** (4% effort)
- 2009 U38 EH000621-01 (Katner, PI) 9/2004-8/2014 **\$3.4 million**  
 National Institute of Health, National Center for Environmental Health.  
*Building the Louisiana Environmental Public Health Tracking Network.* Developed statewide environmental and public health surveillance network ([LA Office of Public Health website](#)). Identified potential linkage between childhood blood lead levels and water lead levels in New Orleans area; and prioritized areas for monitoring and outreach.  
**Role: Principal Investigator** (100% effort)
- 1998 CA98-027 (Rayford, PI) 9/199908/2002 **\$239,000**

National Cancer Institute

*Cultivation of an African-American Prostate Cancer Cell Line.* Cultivated one of the first African-American prostate cancer cell lines. Enabled research into mechanisms leading to higher prostate cancer rates in African-Americans. Established primary African-American prostate cancer cell line (E006AA) and associated stromal cells (S006AA). Investigation of this cell line advanced understanding of processes associated with progression of cancer.

**Role: Research Assistant** (100% of effort)

- |      |                                                  |               |                 |
|------|--------------------------------------------------|---------------|-----------------|
| 1994 | AI35104 (Freistadt, PI)<br>Public Health Service | 9/1994-8/1996 | <b>\$65,000</b> |
|------|--------------------------------------------------|---------------|-----------------|
- Identification of a Host Cell Surface Receptor for Human T-Cell Lymphotropic Virus-I..* Identify host cell receptors for HTLV-I. Identified several candidate receptors which were investigated further for the design of drugs to inhibit virus-receptor interactions.
- Role: Laboratory Technician** (50% effort)

#### Past Fellowships, Awards and Contracts

- |      |                                                                                                            |                |                 |
|------|------------------------------------------------------------------------------------------------------------|----------------|-----------------|
| 2005 | Research Fellowship<br>National Cancer Institute, Occupational & Environmental Epidemiology Branch (OEEB). | 3/2005-11/2006 | <b>\$45,000</b> |
|------|------------------------------------------------------------------------------------------------------------|----------------|-----------------|
- Retrospective Dioxin Exposure Assessment for National Non-Hodgkin Lymphoma Case-Control Study.* Received at University of California at Los Angeles (UCLA). Conducted at OEEB, Rockville, MD. Retrospective exposure assessment for a national case-control study of non-Hodgkin Lymphoma (NHL). Provide exposure metrics to investigate associations between NHL and industrial dioxin releases.
- Role: Research Fellow** (100% effort).
- |      |                                                           |               |                |
|------|-----------------------------------------------------------|---------------|----------------|
| 2004 | Research Fellowship<br>William & Flora Hewlett Foundation | 9/2004-6/2005 | <b>\$1,000</b> |
|------|-----------------------------------------------------------|---------------|----------------|
- Potential for Offsite Exposures Associated with Santa Susana Field Laboratory.* Received at UCLA. Developed chemical screening and exposure and risk scoring methodology to assess community exposures near historic rocket engine testing and nuclear energy research facility. Results were published in first academic textbook on risk assessment.
- Role: Research Fellow** (5% effort)
- |      |                                                                                     |               |                  |
|------|-------------------------------------------------------------------------------------|---------------|------------------|
| 2002 | Contract (Cohen, PI)<br>US Agency for Toxic Substances and Disease Registry (ATSDR) | 9/2002-8/2006 | <b>\$100,000</b> |
|------|-------------------------------------------------------------------------------------|---------------|------------------|
- Exposure Assessment for Communities Surrounding Santa Susana Field Lab, Ventura CA* Exposure assessment for communities surrounding rocket engine and nuclear energy testing facility. Resulted in ATSDR [report](#) to derive clean-up levels. Results contributed to passage of bill, authored by CA state Sen. Kuehl, to ensure cleanup of and designation of site as a state park. Results also used in legal proceedings to modify offsite monitoring.
- Role: Research Assistant** (25% effort)

- 2000 Research Award (Katner, PI) 9/2000-8/2001 **\$5000**  
 Cancer Association of Greater New Orleans  
*Development and Testing of Recombinant Adenovirus to Arrest Human Renal and Prostate Carcinoma Cells.* Received at Louisiana State University Health Sciences Center. Tested vector engineered to express p27. Established gene therapy vector which demonstrated cell cycle arrest and apoptosis in human renal and prostate cancer cells.  
**Role: Principal Investigator** (100% effort)
- 1996 Contract (Gerba, PI) 9/1996-8/1998 **\$1.9 million**  
 American Water Works Association Research Foundation  
*Investigation of Soil Aquifer Treatment (SAT) for Sustainable Water Reuse.* Assessed microbiological quality of groundwater at recharge sites; and optimized molecular methods for detection of pathogenic viruses and bacteria. Resulted in cheaper and more sensitive detection methods that were used to evaluate SAT efficiency. Presented to AWWARF; and used to update US EPA's 2004 edition of "Guidelines for Water Reuse"  
**Role: Graduate Research Assistant** (50% effort)
- 1994 Research Award 9/1994/8/1995 **\$3000**  
 Howard Hughes Research Foundation  
*Classical Genetic Analyses to Identify Homeobox Genes in Drosophila melanogaster.* Received at University of California at Santa Cruz. Aimed to find homeobox genes in *Drosophila melanogaster* which regulate furrow ingression during cytokinesis. Identified candidates for studying how cytokinesis coordinate with chromosome segregation.  
**Role: Research Awardee** (100% effort)

#### Non-Funded Grants

- 2015 **Katner A (P.I.)** *Design and Evaluation of Culturally-Appropriate Interventions to Reduce Drinking Water Lead Exposures.* Submitted to Louisiana Clinical and Translational Science Center (LACATS), Round 4 Pilot Grant Funding. **\$150,000.** Role: Principal Investigator. Preliminary proposal invited for full application.
- 2014 **Katner A (P.I.)** *Quantification of Drinking Water Lead Levels Using an Innovative Sampling and Detection Method and Design of Culturally-Appropriate Interventions to Reduce Drinking Water Lead Exposure.* Submitted to U.S. Department of Housing and Urban Development, Lead Technical Studies Grant Program (LTS), **\$441,764.** Role: Principal Investigator. Among **TOP 5 GRANTS across US-** only 3 funded.

#### INVITED TALKS

**National**

- 2016 Drinking water: An underestimated source of lead exposure? 79<sup>th</sup> National Environmental Health Association Meeting and US Housing and Urban Development's Healthy Homes Conference. San Antonio, TX (6/14).
- 2016 Buildings and Human Health: Lead and Beyond. U.S. Green Building Council- Forward Symposium on Sustainability. New Orleans, LA (5/13).
- 2015 Evaluation of Environmental and Educational Interventions to Reduce Childhood Lead Poisoning from an Underestimated Lead Source- Drinking Water. National Lead and Healthy Housing Conference. New Orleans, LA (10/8).

**State**

- 2016 Lead Levels in New Orleans Drinking Water: Policy Implications. Louisiana Department of Health and Hospitals, Office of the Public Health. Presentation to Louisiana Healthy Homes and Lead Poisoning Prevention Program Advisory Board. New Orleans, LA (6/28).
- 2016 Lead Levels in New Orleans Drinking Water: Policy Implications. Louisiana Department of Health and Hospitals, Office of the Secretary. Presentation to Louisiana Secretary of DHH, Dr. Rebekah Gee. New Orleans, LA (5/30).
- 2016 Lead Levels in New Orleans Drinking Water: Policy Implications. Louisiana Department of Health and Hospitals, Office of the Secretary. Presentation to Louisiana Health Officer Dr. Jimmy Guidry. New Orleans, LA (5/12).
- 2016 Lead Levels in New Orleans Drinking Water: Presentation of Preliminary Results. Louisiana Department of Health and Hospitals, Office of Public Health, Healthy Homes and Lead Poisoning Prevention Program State Advisory Board. New Orleans, LA (3/30).
- 2015 Quantification of Drinking Water Lead Levels Using Innovative Methods: Implications for Environmental, Educational and Regulatory Interventions, Louisiana Office of Public Health, Healthy Homes and Childhood Lead Poisoning Prevention Annual Meeting. New Orleans, LA (8/17).
- 2014 Potential for Offsite Exposure from the Santa Susana Field Laboratory. Santa Susana Field Laboratory Workgroup Meeting. Simi Valley, LA (6/18). [LINK](#)
- 2004 Results of a Hazard Ranking System Scoring for Santa Susana Field Laboratory. Santa Susana Field Laboratory Workgroup and Public Meeting- Simi Valley, CA (3/24).
- 2003 Exposure Assessment for Communities Surrounding Santa Susana Field Laboratory Santa Susana Field Laboratory Workgroup and Public Meeting-. Simi Valley, CA (8/19).

**County and City**

- 2016 Lead Levels in New Orleans Drinking Water. New Orleans Health Department. New Orleans, LA (3/23).
- 2015 Lead Levels in New Orleans Drinking Water: Presentation of Preliminary Results. Faubourg Marigny Neighborhood Association General Meeting. New Orleans, LA (9/21).

- 1997 Occurrence of Indicators & Enteroviruses in Groundwater Impacted by Reclaimed Groundwater. Regulatory Research Advisory Committee Meeting. County Sanitation District of Los Angeles, CA (11/19).

### **University**

- 2016 Medical Ground Rounds: Lead Poisoning Diagnosis and Case Management. Pediatric Grand Rounds. LSUHSC School of Medicine. New Orleans, LA (8/3).
- 2016 Review of Latest Science on Lead Toxicity, Revised State Testing and Reporting Requirements, and Updated Management Guidelines. LSUHSC School of Nursing. Lecture for Population Focused Nursing Theory class. New Orleans, LA (3/7).
- 2016 The Great Lead Water Pipe Disaster: DC, Flint and New Orleans. Tulane University School of Pharmacology. New Orleans, LA (2/1).
- 2013 Environmental Justice: History, Political Impact, Local Significance and Contribution to Health Disparities. Dillard University School of Public Health. New Orleans, LA (7/30).
- 2012 Louisiana's Environmental Public Health Tracking Surveillance. Graduate Seminar. Tulane University, New Orleans, LA (4/21).

### **CONFERENCE PRESENTATIONS**

#### **Papers Presented**

##### *International Conferences*

- 2015 Laws Affecting Cross-State Licensure, Quarantine and Control of Infectious Disease. International Disaster Conference and Exposition. New Orleans, LA (2/11).

##### *National Conferences*

- 2016 Drinking water: An Underestimated Source of Lead Exposure? 79<sup>th</sup> National Environmental Health Association Meeting and US Housing and Urban Development's Healthy Homes Conference. San Antonio, TX (6/14).
- 2015 Evaluation of Environmental and Educational Interventions to Reduce Childhood Lead Poisoning from an Underestimated Lead Source- Drinking Water. National Lead and Healthy Housing Conference. New Orleans, LA (10/8).
- 2013 Raising Awareness of Arsenic in Private Wells. U.S. Centers for Disease Control and Prevention's (CDC) Annual National Environmental Public Health Tracking Meeting. Atlanta, GA (7/16).
- 2012 Carbon Monoxide Poisoning: Evidence to Support State and Federal Policy Changes. U.S. Department of Housing and Urban Development's (HUD) National Conference of Lead and Healthy Homes. New Orleans, LA (5/1).

- 2011 Evaluating Asbestosis Hospitalizations in LA, 2000-2009. U.S. Centers for Disease Control and Prevention's (CDC) Annual National Environmental Public Health Tracking Meeting. Atlanta, GA (6/23).
- 2011 Setting the Groundwork for Emerging Water Quality Issues in Louisiana. U.S. Centers for Disease Control and Prevention's (CDC) Annual National Environmental Public Health Tracking Meeting. Atlanta, GA (6/23).
- 2009 Linking Blood Mercury Levels and Fish-Tissue Mercury Levels- Demonstration Environmental Public Health Tracking Project U.S. Centers for Disease Control and Prevention's (CDC) Annual National Environmental Public Health Tracking Meeting. Atlanta, GA (10/26).
- 1998 Evaluation of a PCR Method for the Detection of Enteroviruses in Groundwater Impacted by Reclaimed Wastewater. 98<sup>th</sup> General Meeting of the American Society for Microbiology, Atlanta, GA (5/19).

#### *Regional Conferences*

- 2000 A Recombinant Adenovirus Expressing p27<sup>(Kip1)</sup> Induces Cell Cycle Arrest and Apoptosis in Human Renal Carcinoma Cells. Southeast American Urology Association, Orlando, FLA (3/12).

#### *State Conferences*

- 2016 Buildings and Human Health: Lead and Beyond. U.S. Green Building Council- Louisiana Forward Symposium on Sustainability. New Orleans, LA (5/13).
- 2013 Building Louisiana's Environmental Public Health Tracking System. Louisiana Environmental Health Association's (LEHA) 63<sup>rd</sup> Annual Educational Conference. Baton Rouge, LA (3/14).
- 2009 EPHT Demonstration Project: Data Linkage: Fish Tissue Mercury and Childhood Blood Mercury- ASTHO Environmental Public Health Tracking State-to-State Peer Fellowship Program, 25th Annual LA Remote Sensing & GIS Workshop, Baton Rouge, LA (4/14).
- 1997 Molecular Methods for the Detection of Enteroviruses in Groundwater. Fifth Annual Arizona University Environmental Studies Conf. Northern Arizona U. Flagstaff, AZ (3/28).  
**Awarded best talk.**

#### **CAMPUS OR DEPARTMENT TALKS**

- 2016 New Orleans' Lead in Water Study: Implications for Public Health, National Policies, and Prevailing Lead Poisoning Prevention Guidelines. LSU Health Sciences Center, New Orleans, LA (4/26).
- 1997 Introduction to Polymerase Chain Reaction: Testing Conditions. U of Arizona, Soil, Water and Environmental Science Program, Tucson, AZ (4/23).



**TEACHING EXPERIENCE****Course Director**

Louisiana State University Health Science Center (LSUHSC), School of Public Health, New Orleans, LA

*Introduction to Occupational Health.* Course Director, Fall, 3 cr 8/2014-Present  
10-15 students per year, Graduate lecture. Evaluation of instructor effectiveness: 4.8/5.0 (2014) and 5.0/5.0 (2015)

*Environmental Policy and Public Health.* Course Director, Spring, 3 cr 1/2015-Present  
7-10 students per year. Graduate lecture. Evaluation for instructor effectiveness: 5.0/5.0 (2015)

Delgado Community College, New Orleans, LA

*Biology Laboratory I.* Course Director, Spring/Fall, 3 cr 9/2012- 12/2013  
10-15 students per year, Undergraduate lecture and laboratory

**Co-Instructor**

LSUHSC School Of Public Health, New Orleans, LA

*Principles of Environmental Health.* Co-Instructor, Summer & Fall, 3 cr 5/2014-Present  
10-15 students per year, Graduate lecture

**Teaching Assistant**

University of Arizona, Tucson, AZ

*Environmental Microbiology,* 3 cr, Undergraduate lecture 9/1997-12/1997

University of California at Santa Cruz, Santa Cruz, CA

*Genetics,* 5 credits, Undergraduate lecture 1/1994-4/1994

*Cybernetics,* 5 credits, Undergraduate lecture 8/1993-12/1993

**Academic Tutor**

Student Affirmative Action-Equal Opportunity Program, University of California at Santa Cruz, Santa Cruz, CA

Biology, Genetics, Microbiol., Biochem., Gen. Chem & Lab 11/1991-6/199  
Organic Chem & Lab

**RESEARCH EXPERIENCE****Research Fellow**

2005-2006 National Institutes of Health, National Cancer Institute, Occupational &

Environmental Epidemiology Branch (OEEB), Rockville, MD. 3/2005-11/2006.  
Retrospective exposure assessment for national NHL case-control study.  
Exposure and multimedia modeling; GIS mapping; archival research

### Research Associate

- 2002-2004 Center for Environmental Risk Reduction, UCLA, Los Angeles, CA, 12/2002-12/2004. Exposure/risk assessment for communities surrounding facility seeking closure. Achievement: Resulted in increased monitoring and cleanup requirements.
- 1998-2002 LSU Health Sciences Center, Dept. of Urology, New Orleans, LA. 12/1998-11/2002. Studied regulatory processes of prostate and renal cell carcinoma: Achievements: Cultured 1<sup>st</sup> African-American prostate cancer cell lines (E006AA) and associated stromal cells (S006AA). Developed recombinant adenovirus which induces apoptosis in human renal and prostate carcinoma cells.
- 1997 LSU Health Sciences Center, Cytogenetics Lab, New Orleans, LA. 8/1998-11/1998. Diagnostic cytogenetic testing. DNA extraction, fluorescent in situ hybridization (FISH), fluorescence microscopy and karyotyping.
- 1996-1998 University of Arizona, Dept. of Soil, Water & Environmental Sci. Tucson, AZ. 5/1996-6/1998. Evaluated effectiveness of soil aquifer treatment for viral removal/inactivation for potable reuse of wastewater for Tucson & Los Angeles Sanitation Districts. Achievement: Optimized integrated cell culture-PCR method to detect live non-infectious enteroviruses and assessed wastewater recharge.
- 1995-1996 LSU Health Sciences Center, Dept. of Microbiology, Immunology and Parasitology, New Orleans, LA. 3/1995-5/1996. Identified receptors for Human T-Cell Lymphotropic Virus I (HTLV). Achievement: Identified candidate host cell surface receptors for HTLV-I.
- 1992-1995 University of California at Santa Cruz (UCSC), Dept. of Molecular, Cell and Developmental Biology, Santa Cruz, CA. 6/1992-1/1995. Conducted classical genetic analyses and confocal microscopy to identify homeobox genes and temperature-shift maternal zygotic mutations in *Drosophila melanogaster*.
- 1991 Murray Law Firm, New Orleans, LA. 6/1991-9/1991 Exposure survey and assessment of General Electric and Monsanto employees for PCBs.

### SERVICE TO PROFESSION

**National Committees and Workgroups**

- 2015-2016 American Public Health Association (APHA), Occupational Safety and Health Section, Scholarship Committee, Member
- 2015 American Public Health Association (APHA), Occupational Safety and Health Section, Conference Abstract Review Committee, Member
- 2012-2013 Council of State and Territorial Epidemiologists (CSTE) Workgroup to Develop National Policy on Carbon Monoxide Reporting, Member
- 2012-2013 Centers for Disease Control & Prevention (CDC) Environ. Public Health Tracking (EPHT) Program, Environmental Justice Workgroup, Member
- 2012-2013 CDC-EPHT Community Environmental Health Profile Workgroup, Member
- 2009-2014 CDC Carbon Monoxide (CO) Workgroup and CO Policy Subgroup, Member
- 2009-2013 CDC EPHT Water Quality Workgroup, Member
- 2009-2013 CDC EPHT Air Quality Workgroup, Member
- 2009-2013 CDC EPHT Birth Defects Workgroup, Member
- 2009-2013 CDC EPHT Childhood Blood Lead Workgroup, Member
- 2009-2013 CDC EPHT Climate Change Workgroup, Member
- 2009-2013 CDC EPHT Cancer Workgroup, Member

**State Advisory Boards**

- 2016-Present Louisiana Occupational Health and Injury Surveillance Advisory Board
- 2014-Present Louisiana Office of Public Health, Healthy Homes and Childhood Lead Poisoning Prevention Program State Board of Advisors
- 2014-Present Louisiana Environmental Public Health Tracking (EPHT) Technical Advisory Committee, Chair
- 2010-2013 Louisiana Birth Defects Monitoring Network Board of Advisors
- 2010-2013 Louisiana Asthma Surveillance Collaborative Board of Advisors
- 2010-2013 Louisiana EPHT Technical Advisory Committee, Chair

**State Committees, Collaboratives and Workgroups**

- 2014-2015 Louisiana EPHT Data Steering Workgroup, Member
- 2010-2013 Louisiana EPHT Data Steering Workgroup, Chair
- 2008-2009 Louisiana Injury Community Planning Group (ICPG), Member

**Journal Review**

- 2016 *New Solutions: A Journal of Occupational and Environmental Health Policy*, Ad hoc
- 2015-2016 *J of Public Health Management and Practice*, Ad hoc, Impact factor 1.47
- 2015 *Citizen Science: Theory and Practice*, Ad hoc, 2015
- 2014-2016 *Ecotoxicology and Environmental Safety*, Ad hoc, Impact factor 2.48
- 2014-2015 *International J of Environ Res and Public Health*, Ad hoc, Impact factor 2.06
- 2014-2015 *Environment and Ecology Research*, Ad hoc
- 2014-2015 *J of Field Actions Sci (FACTS) Reports*, Ad hoc, 2014-2015

**Scholarship Review**

2015 American Public Health Association James P. Keogh Memorial Scholarship, Scholarships Applications Reviews

**Grant Review**

2016-2017 Wisconsin Groundwater Coordinating Council and University of Wisconsin Water Resources Institute, Research and Monitoring Proposal Reviews

2015-2016 Ontario Ministry of Labour Research Opportunities Program, Research Proposal Reviews

**Abstract Review**

2015-2016 Conference Abstracts for American Public Health Association Annual Meeting-Occupational Health Section, Ad hoc Reviewer (Conference Abstracts)

**DEPARTMENT, SCHOOL AND UNIVERSITY SERVICE****University Boards, Committees and Workgroups**

Interprofessional (IPE) Subcommittee	School of Public Health IPE Curriculum Development
Development Subcommittee	Committee Representative (2016)
Conflict of Interest Committee	Louisiana State University Health Sciences Center, Faculty Senate Representative (LSUHSC) (2015-16)
Curriculum Committee	LSUHSC School of Public Health (SPH) (2015-17)
Culminating Experience Planning Group	LSUHSC-SPH (2015-16)
Faculty Senate Appointment	LSUHSC (2014-17)
Grievance Committee	LSUHSC-SPH (2014-16, 2016-18)
Program Admission Committee	LSUHSC-SPH, Environmental and Occupational Health Sciences Program (ENHS)(2014-15)
LSUHSC-SPH Faculty Search Committee	LSUHSC-SPH-ENHS (2014)
Graduate Student Representative	University of California at Los Angeles, School of Public Health, Environmental Science and Engineering Program (2003-04)

**Coordination of Research Presentations**

2016 Hosted webinar series, "Lead, Water and Public Health", with skype introduction by Dr. Georges Benjamin, Executive Director of the American Public Health Association (APHA) for LSU Health Sciences Center (3/24, 4/5, 4/26).

2015 Presentation of research by awardees of the Association of Occupational and Environmental Clinics' Occupational Health Internship Program for LSUHSC School of Public Health and Louisiana Office of Public Health (8/7).

- 2014 Hosted UCLA scientist, Michael J McGuire, author of “The Chlorine Revolution: Water Disinfection and the Fight to Save Lives” and Editor of the Journal of the American Water Works Association to LSUHSC students and faculty (11/2).

### Academic Advisor

LSU Health Sciences Center, School Of Public Health, Department of Environmental and Occupational Health Sciences, New Orleans, LA

- 2015-2017 Hilary Young, (MPH) Main Advisor  
 2014-2016 Olubukunmi Musa (MPH) Main Advisor  
 2015 Hope Ugboke (MPH) Main Advisor  
 2015 Philip Ross Tilson (MPH) Culminating Project Advisor: ‘A Very Hot and Stressful State: Heat-Related Trends and Patterns in Louisiana’  
 2015 Chanel Mouring (MPH) Main Advisory and Culminating Project Advisor: ‘Gaps in Policies to Address Childhood Lead Poisoning’

### Practicum Advisor

LSU Health Sciences Center, School of Public Health, Department of Environmental and Occupational Health Sciences, New Orleans, LA

- 2013 Bridgette Bienville (MPH) Project: Adult Blood Lead Poisoning  
 2012 Adrienne Woods (MPH) Project: Arsenic in Louisiana Well Water  
 2012 Yetzia Bakle Aponte (MPH) Project: Heat Stress Surveillance  
 2011 Katherine Peak (MPH) Project: Carbon Monoxide Poisoning  
 2009 Bryan Vidrine (MPH) Project: Fish Mercury Advisories  
 2009 Keith Peres (MPH) Project: Metal Fume Fever Disease

Tulane University School of Public Health, Department of Global Environmental Health Sciences, New Orleans, LA

- 2013 Panita Charoensuk (MSPH) Project: Cadmium Exposure Surveillance  
 2010 Bukunmi Olubiyi (MPH) Project: Arsenic Biomonitoring  
 2008 Alexandra Marie Kelly (MPH) Project: Heavy Metal Surveillance  
 2008 Yordanka Koleva (MPH) Project: Occupational Health Surveillance  
 2007 Mallory McCormick (MSPH) Project: Fish Mercury Levels

### Intern Mentor

LSU Health Sciences Center, School of Public Health, Department of Environmental and Occupational Health Sciences, New Orleans, LA

- 2016 Occupational Health Internship Program (OHIP). Summer Research Internship, 1) Mayra Vasquez-Garcia, Portland State University; 2) Michelle Hathaway, University of Illinois at Chicago. Project: Assessing Occupational Conditions Faced by Seafood Processing Guest Workers in Southeast Louisiana.  
 2016 Newcomb College Institute Summer Internship Program. 1) Cory Cole and 2) Lauren Brocklesby, Tulane University.

- 2016 Albert Jr. and Tina Small City Center Summer Design Fellowship at Tulane School of Architecture: 1) Maggie Hanson and 2) Sue Mobley.
- 2016 LSU Health Science Center's Summer Science Youth Research Initiative Internship Program. 1) Elizabeth Hannah, Mount Carmel Academy; and 2) Joye Qian Pate, Patrick F. Taylor Science and Technology Academy.
- 2015 Patrick F. Taylor Science and Technology Academy Senior Research Project Mentor to Joye Qian Pate (9/1-12/24). Project: Trends in Lead Emissions from Industries in Louisiana over Time and Space. **Project won 6 awards:** Greater New Orleans Science and Engineering Fair (Feb 24, 2016): 1st place: 1) Earth and Environmental Science category; 2) Association for Women Geoscientists; 3) Arizona State University Rob and Melani Walton Sustainability Solutions Initiatives; 4) International Sustainable World Energy, Engineering, & Environment Project Olympiad (I-SWEEEP); 5) Social Media Award. At I-SWEEP (Houston TX, April 26, 2016): 6) Bronze Medal in Environmental Management and Pollution category. Selected to present at Soc. of Toxicology's 55th An. Mtg (New Orleans LA, 3/15/2016); and LA Science and Engineering Fair (Baton Rouge LA, March 21, 2016).
- 2015 LSU Health Science Center's Summer Research Internship Program. Joye Qian Pate, Patrick F. Taylor Science and Technology Academy, Project: Integrated Uptake Biokinetic Modeling to Estimate the Impact of Drinking Water on Childhood Blood Lead Levels. **Awarded 3rd place** in High School category.

## COMMUNITY SERVICE AND OUTREACH

### Community Workgroups

- 2016-present Member, National Lead and Copper Rule Community Action Workgroup Founded to influence the outcome of EPA's revision of the Lead and Copper Rule (LCR). Members work together to develop actionable recommendations to ensure weaknesses of the LCR are addressed. Comprised of national non-profits, community groups and academics. (2016- present)
- 2014-Present Co-Founder, Louisiana Roundtable for the Environment Founded to identify and address community priorities for research, action, and policy needs. Duties include monthly meetings, community outreach and education, policy development and promotion, community interventions, grant writing and non-profit assistance. (2014-Present)

### Policy Work

- 2016 Presentations and discussions with Louisiana Department of Health and Hospitals' State Health Officer, Dr. Jimmy Guidry. Impact: Resulted in **new statewide policy** to require **testing of drinking water during home investigations of lead-poisoned children**. Data will enable tracking of water-related lead impacts and more effective interventions.
- 2016 Water sampling of St. Joseph in support of LA HB 823 to mandate enforcement of EPA's secondary drinking water standards. Results presented by LA Environmental Action

- Network to State Legislature. Impact: Bill passed out of committee, but ultimately failed. However, the **State funded replacement of St. Joseph's drinking water infrastructure.**
- 2016 Meeting with U.S. EPA Director of Office of Groundwater and Drinking Water, Peter Grevatt, to discuss national water utility violations of Lead and Copper Rule (LCR). Impact: US EPA considered our recommendations to the LCR.
- 2016 Letter to U.S. EPA Administrator Gina McCarthy on behalf of Campaign for Lead Free Water to challenge practices of the water utilities for LCR's lead-in-water monitoring requirement.
- 2016 Healthy Schools Policy Dialogue Session. Discussions by city leaders in education, public health, law and juvenile justice on obstacles to adopting a healthy schools policy for Louisiana and New Orleans. Youth Empowerment Project Work and Learn Center, New Orleans, LA.
- 2015 Interview with Dr. Pat Breyse, Director of ATSDR on behalf of residents near Santa Susana Laboratory (SSFL) regarding citizen petition (with Drs. Yoram Cohen of UCLA, and Hal Morgenstern of University of Michigan). Impact: **SSFL clean-up order left intact.**
- 2015 Public Comments submitted to EPA Air and Radiation Docket and Information Center Re: Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units, aka the Clean Power Plan (Docket ID # EPA-HQ-OAR-2013-0602. 2015.
- 2015 Public Comments submitted to EPA Administrator Gina McCarthy Re: proposed rules to reduce industrial methane and volatile organic compounds (VOCs) from new oil and gas sources (Docket ID: EPA-HQ-OAR-2010-0505).
- 2015 Contributor to World Health Organization's (WHO) policy statement: "COPC21 Climate Agreement- Moving Towards Healthier People and a Healthier Planet". Delivered to the UNFCCC Secretariat during the COP 21 meetings. [LINK](#)
- 2012 Completion and launching of the Louisiana Environmental Public Health Tracking Surveillance System (EPHT). Impact: Provides a tool to establish associations between health and environmental exposures, directed to researchs and policy makers. Resulted in identification of a potential **linkage between elevated childhood blood lead levels and water lead levels** in the New Orleans area. [LINK](#)
- 2009 Reporting Requirements for Carbon Monoxide (CO) Poisoning. Implemented change to Louisiana State Sanitary Code (Title 51, Part II, Ch 1, § 105). **Mandated reporting of CO poisonings** and exposures to LA Office of Public Health. Impact: Enabled statewide surveillance; used to inform Governor's Office of Homeland Security and Emergency Response on emergency response needs; used to develop Council of State and Territorial Epidemiologists' (CSTE) position statement, "Public Health Reporting and National Notification for Carbon Monoxide Poisoning", with recommendations for establishing a standardized national CO surveillance system.
- 2006 Submitted our group's completed report "Aggregate Exposure Assessment Involving an Aerospace Facility with Limited Monitoring Data" to ATSDR. Impact: **Increased environmental monitoring** for community surrounding Santa Susana Field Laboratory (SSFL) to better track community exposures, and ensure protection of public health and potable water supplies.

**Public Health Screening Events**

- 2016 Childhood Lead Screening and Education Event sponsored by LSUHSC, LA State Office of Public Health and Lead Safe Louisiana, Colfax, LA (April 17).
- 2015 Childhood Lead Screening and Education Event sponsored by Lead Safe Louisiana, Cease-Fire, NAACP & Walter Cohen Alumni Assoc. Central City, New Orleans, LA (June 13)
- 2015 Childhood Lead Screening and Education Event sponsored by Lead Safe Louisiana and Cease-Fire. Central City, New Orleans, LA (April 18).
- 1998-2000 Prostate Cancer Screening and Education Events sponsored by Louisiana Education, Early Detection and Research Program (LEED), LSUHSC. New Orleans, LA (Quarterly events).

**Community Outreach and Education Events**

- 2016 Metairie Homemakers Group. Presentation on lead effects, exposures, screening requirements, and exposure prevention. Metairie, LA (May).
- 2016 Dillard University's Forum Addressing the Flint Water Crisis. Interactive public discussion on Flint and New Orleans water lead study. New Orleans, LA (Feb).
- 2016 Kingsley House Head Start Program Parent Committee Meeting: New Parents as Educators Program. Lecture to parents about lead health effects, New Orleans' water lead exposures, and ways to reduce exposures. New Orleans, LA (Feb).
- 2016 LSU Health Sciences Center–Patrick Taylor Baptist Community Ministries Science Education and Career Workshop for high school students sponsored by LSU Health Sciences Center. Demonstration of lead tests to students from Edna Karr High School, Hahnville High School and St. Scholastica High School (Honors Biology Class). New Orleans, LA (Feb, Mar and Apr)
- 2015 LSU Health Sciences Center–Patrick Taylor Hands-On-Workshop for K-12 Students sponsored by LSU Health Sciences Center. Demonstration of lead tests to Hahnville High School students (Honors Biology Class). New Orleans, LA (Oct)
- 2015 Bywater Neighborhood Association Meeting. Lead exposure awareness outreach and education. New Orleans, LA (Aug)
- 2014 LSU Health Sciences Center–Patrick Taylor Hands-On-Workshop for K-12 Students sponsored by LSU Health Sciences Center. Demonstration of lead tests to Hahnville High School students (Honors Biology Class). New Orleans, LA (Nov)
- 2014 Walk around the Dome, National Lead Poisoning Prevention Week sponsored by Louisiana Office of Public Health, LA Healthy Homes and Childhood Lead Poisoning Prevention Program. Demonstration to raise awareness. New Orleans, LA (Oct)
- 2014 Family Day at the New Orleans Museum of Art for Lead Awareness Day sponsored by Lead Safe America, New Orleans, LA (May)

**Outreach Material Development**



- 2015 Created outreach materials for Lead Safe Louisiana and LA Healthy Homes and Childhood Lead Poisoning Program (LHHCLPPP) on cost-effective water filtration systems and ways to reduce exposures to lead from water (Gail Fendley, Founder Lead Safe Louisiana and Ann Johnson-Blusdaw, Outreach Coordinator LHHCLPPP)(May)

### **Non-Profit and Community Advising and Assistance**

- 2016 Provided information to Louisiana Healthy Homes Coalition on ways to reduce drinking water lead exposures for their Spring 2016 newsletter (April)
- 2016 Water sampling for residents of the town of St. Joseph and parishes of St. Bernard and St. John to evaluate lead and other metals; and report of results for presentations to policy makers (March-April).
- 2016 Letter to U.S. EPA Administrator Gina McCarthy on behalf of Campaign for Lead Free Water to challenge the practices of the Philadelphia Water Department over their compliance with the LCR's lead-in-water monitoring requirement, and urge EPA to confirm and enforce correct practices. (Mar).
- 2016 Represented Colfax Citizens Group in prompting Louisiana public health officials to conduct childhood blood screening in rural areas of Grant Parish. (Mar).
- 2015 Review of CH2MHill's Report for Boeing "RCRA Facility Investigation Data Summary and Findings Report of Systems Test Laboratory IV RFI Site, Santa Susana Field Laboratory, Ventura County, CA" for SSFL Community Workgroup (Nov).
- 2015 Interview with Dr. Pat Breyse, Director of ATSDR on behalf of researchers investigating community exposures for the Santa Susana Laboratory (SSFL) regarding a citizen petition (in cooperation with Drs. Yoram Cohen of UCLA, and Hal Morgenstern of University of Michigan)(Oct)
- 2015 Prepared and submitted letter to the Director of ATSDR and Senators Barbara Boxer and Dianne Feinstein on behalf of researchers investigating community exposures for the Santa Susana Laboratory (SSFL) regarding a citizen petition (in cooperation with Drs. Yoram Cohen of UCLA, and Hal Morgenstern of University of Michigan)(Oct)
- 2014 Reviewed water quality data for media investigation of Chinese polluters (Nicole Bozorgmir, VICE TV-HBO Associate Producer)(Nov)
- 2014 Deposition for Union Carbide/Dow Chemical Company ethyl acrylate leak class action lawsuit. New Orleans, LA (Gregory DiLeo of Law Offices of Gregory DiLeo APLC; Jeffrey Berniard of Berniard Law Firm) (Aug)
- 2014 Provided information on fracking to the local non-profit "Concerned Citizens of St. Tammany" (Stephanie Grey, CCST co-founder)(Jul)
- 2014 Presented results of exposure assessment study and advised Santa Susana Field Laboratory Project on potential priority risks and monitoring needs (Daniel Hirsch, Santa Susana Field Laboratory Workgroup Founder) (Jun)
- 2014 Advise the Louisiana Office of Public Health Environmental Public Health Tracking Program (EPHT) on an as-needed basis. Reviewed and submitted comments to improve EPHT's interactive surveillance website: <http://lepht.dhh.la.gov> (Kate Streva, EPHT Program Manager)(Jun and Dec)

- 2014 Advised researchers at LSU School of the Coast and Environment for Parkinson's Disease study- created maps of well water locations and other risk factors (Nov)
- 2012 Developed grant application to expand free music education programs for Tipitina's Foundation. Funded by Gildea Family Foundation, \$10,000, Received 2012 (Dec 2011)

### Extracurricular Volunteer Work

Lead Safe Louisiana (current)  
 Children's Hospital  
 Tipitina's Foundation  
 LA Education & Early Detection

French Quarter Fest Foundation  
 Santa Cruz Rape Crises Center  
 Student Conservation Association  
 Dukakis-Ferraro Campaign

### MEDIA COVERAGE

1. Interview about study with Thomas Beller, New Yorker Magazine. 5/11/2016. [interviewed].
2. Presence of iron in local water supplies could cause health problems. WWL-TV Nightly News, Katie Moore 5/5/2016. [LINK](#)
3. Some New Orleans homes test high for lead in water, researcher says. New Orleans Times Picayune, Mark Schleifstein 4/29/2016. [LINK](#)
4. 28 Louisiana water systems would not meet proposed lead standards. New Orleans Times Picayune, Mark Schleifstein 4/29/2016. [LINK](#)
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44. Nine UCSC students receive scholarships. Santa Cruz Sentinel. 11/1993. [LINK](#)

## **RELATED PROFESSIONAL SKILLS**

### **Professional Meetings and Conferences**

- 2016 Council of State and Territorial Epidemiologists 5<sup>th</sup> Annual Southeastern States Occupational Network Meeting (SouthON). New Orleans, LA (Mar)

### **Training and Education Conferences**

- 2015 Community-Partnered Participatory Research (CPPR) Training, LA Community Health and Outreach Worker Conference sponsored by Safe Spaces, Lead Safe Louisiana and the Louisiana Healthy Communities Coalition. Training/networking with nonprofits. New Orleans, LA (Mar)
- 2015 20<sup>th</sup> Annual Summit on Environmental Law and Policy: Environment 2015- Energy, Water, Wildlife and Beyond sponsored by Tulane Law School. New Orleans, LA (Feb)
- 2014 National Training on Toxics Releases Inventory and Environmental Conditions Conference sponsored by US Environmental Protection Agency. Arlington, VA (May)

### **Professional Courses**

- 2015 Technical Certification: Skills Review for ArcGIS Desktop Associate (Ver 10.1), ESRI
- 2014 American Board of Industrial Hygiene Ethics Requirement Certification, Bowen EHS
- 2014 Certified Industrial Hygienist Review, Univ. of Iowa Division of Continuing Education
- 2010 Microsoft Windows SharePoint Foundation
- 2009 Working with ArcGIS Network Analyst, ESRI
- 2008 SAS Enterprise Guide 1: Querying and Reporting, SAS
- 2007 SAS Programming 1: Essentials, SAS
- 2007 ArcGIS Desktop III: GIS Workflows and Analysis, ESRI

### **Continuing Education**

- Spring Symposium and Faculty Development Day, LSU Health Sciences Center
- Back to Basics Summer Teaching Institute, LSU Health Sciences Center
- Community Assessment in Public Health Emergency Response (CASPER), CDC
- Emergency Responder Health Monitoring and Surveillance (ERHMS), CDC
- Introduction to Spatial Pattern Analysis, ESRI

Beyond Where: Using Regression Analysis to Explore Why, ESRI  
 Introduction to Grant Writing, State of LA Office of Community Development  
 Environmental Public Health Tracking 101, CDC  
 Introduction to Incident Command (ICS 100): Emergency Management Institute, FEMA  
 National Incident Management (NIMS) (IS-00700): Emergency Management Inst., FEMA  
 National Response Framework (IS-800b), Emergency Management Institute, FEMA  
 Single Resources and Initial Action Incident (ICS-200b), Emergency Manag. Inst., FEMA  
 Strategic National Stockpile, LA Office of Public Health, Dept. of Health and Hospitals  
 HIPAA Privacy, DHH Safety and Health/Loss Prevention and LSU Health Sciences Center  
 Biological Safety and Bloodborne Pathogens, LSU Health Sciences Center  
 Code of Ethics for Public Servants, Louisiana Board of Ethics  
 Radiological Safety Training, LSU Health Sciences Center  
 First Aid/CPR, Certification- 1993, 2000; UC Santa Cruz and LSU Health Sciences Center

### Technical Skills

Software: Microsoft Office, R, SAS, ProUCL, MatLab, ESRI ArcView, FrontPage, SharePoint 2010  
 Laboratory: Cell, viral and bacterial culture, PCR, RT-PCR, sequencing, microarray, electrophoresis, confocal microscopy, western, northern, southern, transformation, mutagenesis, fluorescent stains, radioactive labeling, spectrophotometers, ultracentrifugation, column chromatography, cell fractionation, cytogenetic testing, transfection, transduction, nucleic acid isolation, testing on fruit flies and mice, field sampling (soil, water, groundwater)

### PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

2016-Present	Society of Toxicology, Member
2016-Present	National Environmental Health Association, Member
2015-Present	Louisiana Environmental Health Association, Member
2014-Present	National Safe and Healthy Housing Coalition, Member of Policy Section
2014-Present	American Public Health Association- Member of Environmental Health, Occupational Safety and Health, and Public Health Policy Sections
2014-Present	National Association of Environmental Professionals, Member
2009-2013	Council of State and Territorial Epidemiologists, Member
2009-2013	National Birth Defects Prevention Network, Member
2000-2006	Society for Risk Analysis, Member
1995-1998	Air and Waste Management Association, Member
1994-1998	American Society for Microbiology, Member