

## CURRICULUM VITAE

**DATE:** September 2021

**NAME:** Laura. E. Liang, DrPH, CHES, CPH  
laura.liang@rutgers.edu

**FORMER NAME:** Laura E. Hemminger

**PRESENT TITLE:** Associate Dean for Academic Affairs  
Rutgers School of Public Health  
-and-  
Assistant Professor, Department of Health Behavior, Society and Policy  
Rutgers School of Public Health

### EDUCATION:

- A. Undergraduate Education:  
Hope College  
Holland MI  
BA (Exercise Science/Physical Education) 1992
- B. Graduate and Professional:  
New Jersey Graduate Program in Public Health  
University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School and  
Rutgers, The State University of New Jersey  
Piscataway, NJ  
MPH (Health Education and Behavioral Sciences) 1996
- C. Graduate and Professional:  
Rutgers School of Public Health  
Piscataway, NJ  
DrPH (Health Education and Behavioral Sciences) 2015  
Dissertation: Integrating Goal-Setting in Health and Physical  
Education Classes to Increase Physical Activity Levels  
Among Middle School Students

### ACADEMIC APPOINTMENTS:

- September 2009 – September 2015 Department of Health Systems and Policy  
Rutgers School of Public Health  
Instructor
- September 2015 – June 2016 Department of Health Education and Behavioral Science  
Rutgers School of Public Health  
Instructor
- July 2016 – February 2019 Department of Social and Behavioral Health Sciences (formerly  
Department of Health Education and Behavioral Science)  
Rutgers School of Public Health  
Assistant Professor
- February 2019 – Present Department of Health Behavior, Society and Policy (formerly  
Department of Social and Behavioral Health Sciences)  
Rutgers School of Public Health  
Assistant Professor

**OTHER EMPLOYMENT:**

- 1992-1994 Wellness Assistant. Donnelly Corporation. Holland, MI
- 1995-1996 Assistant Health Educator. Public Education and Risk Communication Division (PERC), Environmental and Occupational Health Sciences Institute (EOHSI). Piscataway, NJ
- 1996-1998 Environmental Health Educator. PERC-EOHSI. Piscataway, NJ
- 1998-1999 Acting Director, Resource Center of EOHSI. Piscataway, NJ
- 1999-2004 Director, Resource Center of EOHSI. Piscataway, NJ
- 1999-2006 Co-Director, Community Outreach and Education Program (COEP), Center for Environmental Health Sciences, EOHSI. Piscataway, NJ
- 2005-2010 Director, Center for School and Community Health Education (CSCHE), UMDNJ-School of Public Health. New Brunswick, NJ
- 2010-2017 Co-Director, Center for School and Community-Based Research and Education (CSCBRE) Rutgers School of Public Health. New Brunswick, NJ (Center Dissolved in 2017)  
Directed CSCBRE's efforts to empower diverse populations to make informed decisions about their health through innovative outreach, creative partnerships, and applied research. Experienced in grant writing and conducting hundreds of professional development workshops for K-12th grade teachers on health sciences education. Provided leadership to staff and collaborating faculty regarding program planning and management. Interacted with departments and units within the University (e.g., primary faculty, central administration and the Foundation) and community professionals and laypeople outside the University (e.g., school district administrators, educational and non-profit organizations, community groups, teachers, funders and program partners). Performed literature searches and conduct research on health sciences education.
- 2007-2017 Co-Director, Community Outreach and Engagement Core (COEC), Center for Environmental Exposures and Disease (CEED), EOHSI. Piscataway, NJ  
Direct COEC's efforts to translate CEED research information into tools and resources for community stakeholders, including developing partnerships with community stakeholders, enhancing the dialogue between community stakeholders and Center researchers, increasing awareness and understanding of environmental health research; and promoting environmental health research as a science career option. Promote a team environment between COEC staff and CEED researchers, as well as maintain relations with community stakeholders. Incorporate use of technology to disseminate research information.
- 2009-2015 Director of Planning, Rutgers School of Public Health. Piscataway, NJ  
Managed a broad range of internal and external activities and special projects relating to the teaching, research and service mission of the School of Public Health. Coordinated critical School operations, maintained data files and MOUs, and prepared written reports as required by the University, Association of Schools and Programs of Public Health and Council on Education for Public Health. Demonstrated ability to work well with all levels within the School, including administrators, faculty, staff, students, and alumni. Led the School's efforts for evaluation and assessment as well as marketing and communications.

- 2015-2016 Associate Dean for Administration, Rutgers School of Public Health. Piscataway, NJ  
Under the direction of the Dean, oversaw the day-to-day operations of the School of Public Health. Responsible for implementing the School's strategic goals and objectives; policy development; institutional assessment, accreditation, and evaluation; leadership and organizational structure; articulation agreements and other MOUs, human resources; long-range space planning and facilities management; information technology; and marketing, communications, and public relations.
- 2016-2017 Associate Dean for Education and Assessment, Rutgers School of Public Health. Piscataway, NJ  
Under the direction of the Dean, oversaw the educational and assessment operations of the School of Public Health. Responsible for developing and implementing School's strategic goals and objectives; policy development; institutional assessment, accreditation, and evaluation; and articulation agreements and other MOUs. Assisted with marketing, communications, and public relations.
- 2017-Present Associate Dean for Academic Affairs, Rutgers School of Public Health. Piscataway, NJ  
*Current Responsibilities:*  
Under the direction of the Dean, oversee the academic programs to ensure compliance with accreditation criteria and university guidelines, manage the educational and assessment operations of the School of Public Health. Responsible for developing and implementing School's academic goals and objectives; policy development; institutional assessment, accreditation, and evaluation; and articulation agreements and other MOUs.

**CERTIFICATIONS:**

- 1997 Certified Health Education Specialist (CHES). #5758  
National Commission for Health Education Credentialing, Inc.
- 2018 Certified in Public Health (CPH). #15272  
National Board of Public Health Examiners
- 2018 Certified in Designing Your Own Online Course  
Quality Matters
- 2019 Certified Mental Health First Aid Instructor (Adult and Higher Education)  
National Council for Behavioral Health
- 2019 Certified in Effective Teaching Practices  
Association of College and University Educators and American Council on Education

**MEMBERSHIP AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:**

American Public Health Association, Public Health Education and Health Promotion Section (Primary)

**HONORS AND AWARDS:**

- President, Graduate Student Association  
New Jersey Graduate Program in Public Health  
1995-1996
- Anna Skiff Award for Excellence in Health Education Practice  
New Jersey Graduate Program in Public Health  
1996
- 2008 Community/Campus Partnership Award  
UMDNJ-School of Public Health  
2008
- Excellence in Teaching Award  
New Jersey Foundation  
2018

Delta Omega Award for Innovative Public Health Curriculum, Honorable Mention  
Delta Omega Honorary Society in Public Health  
2018

Student Government Association Excellence in Teaching Award  
Rutgers School of Public Health  
2020

Presidential Award for Excellence in Teaching  
Rutgers, The State University of New Jersey  
2020

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, EXTERNAL COMMITTEES:**

- 2001 Science Education Partnership Award Program, Scientific Review Panel, National Center for Research Resources, National Institutes of Health
- 2002 Member, Scientific Review Panel, Project EXPORT Centers of Excellence Program, National Center on Minority Health and Health Disparities, National Institutes of Health
- 2005-2009 Member, Safe Kids/Injury Prevention Coalition, Robert Wood Johnson University Hospital
- 2006 Member, Community Nutrition Working Group, Rutgers University Nutritional Sciences Department
- 2018-2019 Member, Course and Teacher Evaluation Subcommittee, Scholarship of Teaching and Learning Task Force, Association of Schools and Programs of Public Health
- 2007-Present Member, Get Moving - Get Healthy NJ Advisory Coalition, Rutgers University Agricultural Experiment Station
- 2008-Present Member, Alliance for a Healthier New Brunswick, New Brunswick Tomorrow
- 2019-Present Member, Education Advisory Committee, Association of Schools and Programs of Public Health

**SERVICE ON GRADUATE SCHOOL AND UNIVERSITY COMMITTEES:**

- 2006-2010 Member, New Brunswick/Piscataway Campus Committee, UMDNJ Pandemic Influenza Task Force
- 2006-2007 Member, Distinction in Service to the Community Advisory Committee, UMDNJ-RWJMS
- 2008-2009 Member, UMDNJ Innovative Educational Technology Task Force
- 2008 Doctoral Student Representative, Curriculum Committee, UMDNJ-School of Public Health
- 2009-2013 Member, University-wide Marketing and Government Relations Council, UMDNJ
- 2012-2013 Member and Co-Team Leader, Faculty/Staff Guide Subteam, RU-UMDNJ Integration Change-Communications/Government Affairs Team
- 2012-2013 Member, Special Events Subteam, RU-UMDNJ Integration Change-Communications/Government Affairs Team
- 2014 Environmental and Occupational Health Workgroup, Strategic Planning Committee, Rutgers Biomedical and Health Sciences
- 2015-2016 Member, RBHS – RU250 Committee

- 2017-2018 Lead, MPH-Urban Public Health Concentration Workgroup
- 2017-2020 Member, RBHS Interprofessional Faculty Advisory Council
- 2017-2020 Member, RBHS Faculty Council  
Chair, Subcommittee on Communications, RBHS Faculty Council
- 2018-2019 Co-Chair, School of Public Health Strategic Planning Committee
- 2018-2020 Co-Chair, School of Public Health Academic Progression Committee
- 2018-2020 Co-Lead, DrPH in Leadership, Practice and Research, Degree Development Workgroup
- 2019-2020 Member, School of Public Health, Department of Health Behavior, Society and Policy, Ad Hoc  
Department Workgroup on Review of MPH-Social and Behavioral Health Science  
Concentration
- 2017-Present Member, School of Public Health Curriculum Committee

**SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE:**

- 2014 School of Public Health, MPH Candidate, Courtney Phillips
- 2016 School of Public Health, MPH Candidate, Danielle Cestare
- 2017 School of Public Health, MPH Candidate, Colleen Blake
- 2018 School of Public Health, MPH Candidate, Alexa Hendrickson (as site preceptor)
- 2018 School of Public Health, MPH Candidate, Carolina Focella
- 2018 School of Public Health, MPH Candidate, Christine Young
- 2018 School of Public Health, MPH Candidate, Jeremy Szeluga
- 2019 School of Public Health, MPH Candidate, Anika Mavinkurve
- 2019 School of Public Health, MPH Candidate, Kelly Saldarriaga
- 2019 School of Public Health, MPH Candidate, Krystal Mayers
- 2019 School of Public Health, MPH Candidate, Wen Chi Hsu
- 2017-2019 School of Public Health, Member/Co-Chair, DrPH Dissertation Committee, Jennifer Turner
- 2017-2020 School of Public Health, Member, Doctoral Dissertation Committee, Heather Jordan
- 2020 School of Public Health, MPH Candidate, Susana Echeverri Herrera
- 2020 School of Public Health, MPH Candidate, Laura Cerutti
- 2020 School of Public Health, MPH Candidate, Bethann Wittig
- 2020-Present School of Public Health, MPH Candidate, Saul Bautista
- 2020-Present Rutgers School of Graduate Studies, Nutritional Sciences Graduate Program, Member, Doctoral  
Dissertation Committee, Graham Bastian
- 2021-Present School of Public Health, MPH Candidate, Sonal Grover
- 2021-Present School of Public Health, MPH Candidate, Laurie Herrick
- 2021-Present School of Public Health, MPH Candidate, Mitchell Marcus

**TEACHING RESPONSIBILITIES-UNDERGRADUATE AND GRADUATE LEVELS:**

- 2006 UMDNJ-SPH, Health Education and Behavioral Science in Public Health, Core Course for the  
Department of Health Education and Behavioral Science, Graduate Teaching Assistant, 45 hours
- 2007 UMDNJ-SPH, Health Systems and Policy, Core Course for the Department of Health Systems and  
Policy, Graduate Teaching Assistant, 45 hours
- 2008 UMDNJ-SPH, Health Education and Behavioral Science in Public Health, Core Course for the  
Department of Health Education and Behavioral Science, Assistant Course Instructor, 45 hours
- 2010 UMDNJ-SPH, Health Education and Behavioral Science in Public Health, Core Course for the  
Department of Health Education and Behavioral Science, Course Instructor, 45 hours
- 2011 UMDNJ-SPH, Health Education and Behavioral Science in Public Health, Core Course for the  
Department of Health Education and Behavioral Science, Course Instructor, 45 hours

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- 2016 Rutgers School of Public Health, Health Education and Behavioral Science in Public Health, Core Course for the Department of Health Education and Behavioral Science (Spring and Fall), Course Instructor, 45 hours each course
  - 2017 Rutgers School of Public Health, Health Education Planning and Evaluation, Required Course for the Department of Health Education and Behavioral Science (Spring), Course Instructor (replacement for original faculty who went on medical leave), 21 hours
  - 2017 Rutgers School of Public Health, Health Education and Behavioral Science in Public Health, Core Course for the Department of Health Education and Behavioral Science (Fall), Course Instructor, 45 hours
  - 2017 Rutgers Edward J. Bloustein School of Planning and Public Policy, Principles of Health Education, Undergraduate Course for the Department of Public Health (Spring and Fall), Course Instructor, 45 hours each course
  - 2018 Rutgers Edward J. Bloustein School of Planning and Public Policy, Principles of Health Education, Undergraduate Course for the Department of Public Health (Spring and Fall), Course Instructor, 45 hours each course
  - 2018 Rutgers School of Public Health, Social and Behavioral Health Sciences in Public Health, Core Course for the Department of Social and Behavioral Health Sciences (Fall), Course Instructor, 45 hours
  - 2019 Rutgers Edward J. Bloustein School of Planning and Public Policy, Principles of Health Education, Undergraduate Course for the Department of Public Health (Spring and Fall), Course Instructor, 45 hours each course
  - 2019 Rutgers School of Public Health, Public Health Essentials (new), Core Course for the MPH degree program (Spring and Fall), Course Developer and Instructor, 45 hours each course
  - 2019 Rutgers School of Public Health, Public Health Foundations (new and online), Core Course for MS-Biostatistics degree and PhD degree programs (Spring), Course Developer and Instructor, 45 hours
  - 2019 Rutgers School of Public Health, Public Health Foundations (new and online), Core Course for MS-Health Outcomes, Policy and Economics degree program (Spring), Course Developer and Instructor, 15 hours
  - 2019 Rutgers School of Public Health, Social and Behavioral Health Sciences in Public Health, Core Course for the Department of Health Behavior, Society, and Policy (Summer-Online), Online Course Developer and Instructor, 45 hours
  - 2019 Rutgers School of Public Health, Social and Behavioral Health Sciences in Public Health, Core Course for the Department of Health Behavior, Society, and Policy (Fall), Course Instructor, 45 hours
  - 2020 Rutgers School of Public Health, Leadership and Management Essential for Public Health (formerly Public Health Essentials), Core Course for the MPH degree program (Spring and Fall), Course Instructor, 45 hours each course
  - 2020 Rutgers School of Public Health, Social and Behavioral Health Sciences in Public Health, Core Course for the Department of Health Behavior, Society, and Policy (Spring and Fall), Course Instructor, 45 hours each course
  - 2021 Rutgers School of Public Health, Leadership and Management Essential for Public Health (formerly Public Health Essentials), Core Course for the MPH degree program (Summer-Online), Online Course Developer and Instructor, 45 hours

**TEACHING RESPONSIBILITIES-HIGH SCHOOL LEVEL:**

- 2011-Present BOLD Initiative (BioCONNECT Oncology Leadership Development), a unique learning opportunity for high school students to learn about cellular biology and genetics of cancer, as well as diverse health-related careers. Students participate in hands-on activities to increase their understanding of cancer-related causes, diagnostic tools, treatment options and current research through the context of breast cancer. One session held each summer in collaboration with the Rutgers Cancer Institute of New Jersey; 433 high school students have participated since program initiated. Program Developer and Co-Facilitator, 40 hours each summer
- 2018-Present PHocus (Public Health: Outbreaks, Communities, and Urban Studies) Summer Experience for High School Students, an innovative learning opportunity for high school students to learn about the broad and interdisciplinary field of public health, including the fundamentals of epidemiology. Students participate in a variety of experiences including mock outbreaks, hands-on population health and community disease activities, a laboratory session, and conversations with public health scientists and practitioners. Two sessions held in Summers 2018 and 2019 (Piscataway and Newark); Virtual session in 2021 (no program in 2020 due to COVID-19); 130 high school students have participated since program initiated. Program Co-Developer and Co-Facilitator, 80 hours each summer

**TEACHING RESPONSIBILITIES-CONTINUING EDUCATION:**

- 2019-Present Mental Health First Aid is a skills-based training course that teaches participants about mental health and substance-use issues. As a certified trainer, I conduct the Mental Health First Aid training for Rutgers students, faculty and staff as well as for the local community.
- Three sessions held for Rutgers School of Public Health Office of Student Affairs; Rutgers University students; Rutgers Biomedical and Health Sciences faculty (8 hours each)
  - Two sessions held for Healthier Middlesex member organizations. Healthier Middlesex is a community-focused consortium comprised of nearly 40 organizations including community-based organizations, academic institutions, and health departments (8 hours each)

**GRANT SUPPORT:**

Current Awards

Program Director. BioCONNECT (Biology and Cancer, ONline Cancer Connecting Teens). Grant award from the Val Skinner Foundation. BioCONNECT is a collaborative project with the Ladies Professional Golf Association In the Fight to Eradicate breast cancer (LIFE) Center at The Cancer Institute of New Jersey. The overall aims of BioCONNECT are to improve cancer awareness and enhance science literacy among high school students through the development and dissemination of the biology and genetics-based curriculum. BioCONNECT advances students' problem-solving and decision making skills, and expands their understanding of genetics and biology while exploring relationships between science and technology. Using breast cancer as the context for learning, students study risk factors and molecular events leading to cancer, cancer genetics, genetic counseling, and treatment/prevention strategies. (Grant Period: January 2005-June 30, 2022 – Total Funding: \$1,400,000).

Past Awards

Investigator. Three-year contract from the National Institute of Environmental Health Sciences (NIEHS) to develop, pilot test and disseminate ToxRAP™ (Toxicology, Risk Assessment and Air Pollution materials) for grades K-8. Contract Period: August 24, 1994-June 30, 1997 (\$308,189). (Contract Number: 5 R25 ES06930).

Investigator. One-year contract from the U.S. Environmental Protection Agency to develop bilingual environmental education curricula. Contract Period: June 1, 1995 - May 31, 1996 (\$24,859).

Community Outreach and Education Assistant. Grant award from the National Institute of Environmental Health Sciences (NIEHS), to support a Center for Environmental Health Sciences to provide support and continuity to our efforts to serve as a Center of Excellence for research, teaching and service to society in the area of environmental health sciences. (Contract Number: ESO05022). Contract Period: April 1, 1996-March 31, 2006 (\$717,141). Supplements received from National Institute of Environmental Health Sciences to improve the quality of environmental health sciences education in K-6 Spanish bilingual classrooms. Grant Period: October 1, 2000-September 30, 2001 (\$60,000). (Contract Number: ESO5022-S1). Support received for initiatives focussed on the environmental health effects of the September 11, 2001 World Trade Center tragedy. Contract Period: April 1, 2002-March 31, 2003 (\$73,395); April 1, 2003-March 31, 2004 (\$156,377). (Contract Number: ESO5022-S2).

Investigator. Grant from National Institute of Environmental Health Sciences to develop an innovative environmental health sciences dissemination program with school districts/regions in New Jersey, Pennsylvania and Arizona. Contract Period: September 1, 1996-August 31, 2001 (\$431,856). (Contract Number: 1 R25 ESO8221). Supplement from National Institute of Environmental Health Sciences (NIEHS) to prepare a blueprint for development and dissemination of curriculum for the National Institute on Alcohol Abuse and Alcoholism (NIAAA). Contract Period: September 1, 1998-August 31, 2001 (\$170,000). (Contract Number: 3 R25 ESO8221-02S1 & 03S1).

Investigator. Contract from EPA to prepare ToxRAP™ materials for Spanish Bilingual Classrooms. Contract Period: September 1, 1998-December 31, 1999 (\$110,000). (Contract Number: NE 826802-01-0).

Investigator. Contract from the Agency for Toxic Substances and Disease Registry to conduct ToxRAP™ training for 130 K-6th grade teachers in Toms River, New Jersey. Contract Period: May 14, 1999-May 14, 2000 (\$36,181).

Investigator. Grant from the Toxicology Education Foundation, Society of Toxicology to improve environmental health sciences education through the development and utilization of Regional Education and Training Centers to disseminate the ToxRAP™ curricula for grades 3-6. Contract Period: November 1, 1999-October 31, 2001 (\$150,000). (Contract Number: No ID).

Investigator. Grant award from the Agency for Toxic Substances and Disease Registry in support of a program entitled “ToxRAP™ Conference Series for Toms River Teachers” to conduct workshops for teachers on Environmental Health Sciences. Grant Period: September 30, 2001-September 29, 2003 (\$18,500). (Grant Number: 13/ATR220175).

Investigator. Grant award from the Association of Schools of Public Health to improve the quality of environmental health sciences (EHS) education in K-9<sup>th</sup> grade, Vieques, Puerto Rico classrooms. Contract Period: August 1, 2003-July 31, 2006 (\$145,105). (Contract Number: S3245-22/22).

Principal Investigator. HOPE Partnership (Health Observances and Public Education). Science Education Partnership Award from the National Center for Research Resources, National Institutes Health. The goal of the HOPE Partnership was to enhance public understanding of biomedical and health-related research and the impact of this research on human health. Seven universities collaborated to develop educational materials for middle and high school teachers and students, as well as the general public, to raise public awareness as to how research relates to the prevention, detection and/or treatment of diseases. Research in asthma and allergy awareness, lead poisoning prevention and cancer prevention and the environment served as the context for the materials. Materials were disseminated through six action mechanisms: community learning, formal education, informal education, media, non-profit organization events and science centers/museums. (Principal Investigators: Audrey R. Gotsch, DrPH, CHES from September 2003-August 2006; Laura Hemminger, MPH, CHES from September 2006-August 2009 – Grant Period: September 30, 2003-August 31, 2009 – Total Funding: \$1,568,654 – Grant Number: R25 RR018490).

Principal Investigator. SUC<sub>2</sub>ES<sub>2</sub> (Students Understanding Critical Connections between the Environment, Society and Self). Grant award from the National Institute of Environmental Health Sciences, National Institutes Health. The goal of SUC<sub>2</sub>ES<sub>2</sub> was to develop a curriculum development model using environmental health as a theme for learning, and to develop and evaluate curriculum guides integrating science, math, health and language arts lessons under the umbrella of environmental health. The curriculum guides were built around the award-winning ToxRAP™ curriculum series. A quasi-experimental research design with random assignment to intervention and comparison schools and student pretest/posttests were used in the project’s curriculum evaluation phase. (Principal Investigators: Audrey R. Gotsch, DrPH, CHES from September 2000-August 2006; Laura Hemminger, MPH, CHES from September 2006-August 2008 – Grant Period: September 20, 2000-August 31, 2008 – Total Funding: \$1,874,531 – Grant No. R25 ES10697).

Community Outreach and Engagement Core (COEC) Co-Director. Community Outreach and Education Core, Center for Environmental Exposure and Disease. Grant award from the National Institute of Environmental Health Sciences, National Institutes Health. COEC translates CEED research information into tools and resources for community stakeholders. CEED is an NIEHS Core Center. The overall goals of COEC are to (1) develop partnerships with community stakeholders to translate and disseminate Center research information; (2) enhance the dialogue between community stakeholders and Center researchers regarding



environmental health issues; (3) increase awareness and understanding of environmental health research; and (4) promote environmental health research as a science career option. (Grant Period: April 1, 2014-March 31, 2019 – Grant Number: P30 ES005022 – Total Funding for COEC: \$500,000).

Investigator. Gift award from GSK through Rutgers University Foundation to support implementation of PHocus (Public Health: Outbreaks, Communities, and Urban Studies) Summer Experience in Newark. Gift Period: July 30-Aug 3, 2018 (\$15,800).

Investigator. Gift from GSK through Rutgers University Foundation to support implementation of PHocus (Public Health: Outbreaks, Communities, and Urban Studies) Summer Experience. Gift Period: May 1-Aug 30, 2019 (\$20,000).

Principal Investigator. Grant award from The Nicholson Foundation through Rutgers University Foundation to support implementation of PHocus (Public Health: Outbreaks, Communities, and Urban Studies) Summer Experience. Grant Period: June 1-September 30, 2019 (\$25,000).

## **PUBLICATIONS:**

### Refereed Original Articles in Journals

Hines S, Thigpen Tart K, **Hemminger L**, Schlegel B, Stephen W, and Pitman L. (2006). Hot Off the Press *The Science Teacher*. 73(7): 38-41.

Irwin B, Mauriello D, **Hemminger L**, Pappert A, and Kimball AB. (2007). Skin sun-acne tutorial evaluation among middle- and high-school students in central New Jersey. *Journal of the American Academy of Dermatology*. 56(3):407-412.

Shendell DG, **Hemminger L**, Campbell JK, and Schlegel B. (2009). Supervising structured learning experiences for students in New Jersey: Training teachers in school-based occupational health and safety practice. *Public Health Reports*, 124(Supplement 1):74-83.

Cheng CE, Irwin B, Mauriello D, **Hemminger L**, Pappert A, and Kimball AB. (2010). Health disparities among different ethnic and racial middle and high school students in sun exposure beliefs and knowledge. *Journal of Adolescent Health*. 47(1):106-109.

Cheng CE, Irwin, B, Mauriello D, **Hemminger L**, Pappert A, and Kimball AB. (2010). Self-reported acne severity, treatment, and belief patterns across multiple racial and ethnic groups in adolescent students. *Pediatric Dermatology*. 27(5): 446-452.

Burger J, Nakata K, **Liang LE**, Pittfield T, and Jeitner C. (2015). Effect of Providing Information on Student's Knowledge and Concerns about Hydraulic Fracking. *Journal of Toxicology and Environmental Health Part A*. 78 (9):595-601. doi: 10.1080/15287394.2015.1017683. PubMed PMID:25965194.

Valera P, Acuna N, Alzate-Duque L, **Liang LE**, Cupertino P, and Merulla J. (2021). The development and prototype feedback of digital cancer 101 videos to enhance cancer education for marginalized communities with limited health literacy. *Cancer Control*. 28:1-10.

**Liang LE**, Zivkovic A, and Passannante MR. (2021). A Public Health Summer Experience for High School Students. *Pedagogy in Health Promotion*. 7(3): 257–264. doi:10.1177/23733799211017561

**Liang LE**, and Passannante MR. (in progress). The Impact of Student Reflection on Academic Performance. A Scholarship of Teaching and Study completed in AY2019-2020.

### Curricular Materials and Other Professional Communications

A. Garzero, **L. Hemminger**, D. Marks, V. Pinilis, B. Schlegel, and D. Taylor. "The Case of the WTC Dust: A supplement to the ToxRAP™ Middle School Module (grades 6-9) 'Mystery Illness Strikes the Sanchez Household'," Public Education and Risk Communication Division, Environmental and Occupational Health Sciences Institute, Piscataway, New Jersey, 2005.

**L. Hemminger**, A. Hricko, M. Lindsey, A. Belonis, T. Biazio S. Hewakapuge and C. Trux. "Asthma and Allergy Awareness Health Observance Package," Center for School and Community Health Education, UMDNJ-SPH, New Brunswick, NJ, 2005.

B. Schlegel, **L. Hemminger**, J. Campbell. Various online lesson plans which supplement the Student Edition of the *Environmental Health Perspectives* journal. Examples include: What's Your Hypothesis?, Using Chemistry to Treat Lead Poisoning, Mapping Solutions for Obesity and Human Body Systems: The Domino Effect, <http://www.ehponline.org/science-ed-new/index.html>, 2005-2009.

**L. Hemminger**, K. Gray, L. Bausell, J. Campbell and D. Tarrant. "Lead Poisoning Prevention Health Observance Package," Center for School and Community Health Education, UMDNJ-SPH, New Brunswick, NJ, 2006.

- J. Campbell, J. Bergeron, L. Diener, J. Gorenstein, E. McMurry-Herbic, K. Niemi, S. Uesugi and **L. Hemminger**. "Cancer Control Health Observance Package," Center for School and Community Health Education, UMDNJ-SPH, New Brunswick, NJ, 2008.
- J. Campbell and **L. Hemminger**. "BioCONNECT (Biology and Cancer, ONline Education Connecting Teens)," High School Science Module, Center for School and Community Health Education, UMDNJ-SPH and The Cancer Institute of New Jersey, UMDNJ, New Brunswick, New Jersey, 2008.

#### INVITED PRESENTATIONS

- L.E. Liang**. "Alternative Assessments." Invited panelist for the Center for Teaching Advancement and Assessment Research, Rutgers, The State of University, January 2021 (virtual).
- L.E. Liang**. "Lessons Learned and Promising Practices for the Future of Public Health Education." Presented at Public Health Conversations: Teaching Public Health: Transformative Educational Models, Boston University School of Public Health, June 2021 (virtual).

#### PRESENTATIONS

- L. Hemminger**. "It's a bird! It's a plane! NO!! It's Comprehensive School Health Education. Your Complete Guide to Advocating for Comprehensive School Health Education Successfully." Presented at Fieldwork Presentations, Environmental & Occupational Health Sciences Institute, Piscataway, NJ, May 1996.
- L. Hemminger**, L. Waishwell, B. Steinberg and A.R. Gotsch. "Living With Toxins." Presented at the Environmental Education Conference, New Jersey Education Association, Lakewood, NJ, April 19, 1997.
- L. Hemminger**. "Comprehensive School Health Education: Everything You Wanted to Know and Some More." Presented at the Health Education and Behavioral Sciences Core Class, University of Medicine and Dentistry of New Jersey, Piscataway, NJ, April 21, 1997.
- L. Hemminger**, B. Steinberg, A.R. Gotsch, L. Weidner and J.B. Newman. "Interactive Television (ITV): A Mechanism for Teacher Training." Presented at the National Conference on Health Education and Health Promotion and The SOPHE Midyear Scientific Conference, Atlanta, GA, May 28, 1997.
- L. Hemminger**, A.R. Gotsch, B. Steinberg, L. Weidner and J.B. Newman. "National Environmental Health Education Campaign." Presented at the National Leadership Conference to Strengthen HIV/AIDS Education and Comprehensive School Health Programs, Atlanta, GA, June 9, 1997.
- L. Hemminger**, B. Schlegel, W. Smith, L. Weidner and J.B. Newman. "Evaluating the Safe Schools Project." Presented at the American Public Health Association Annual Meeting, Indianapolis, IN, November 11, 1997.
- L. Hemminger** and E. Vogt. "*ToxRAP*<sup>TM</sup> (Toxicology, Risk Assessment and Pollution) for Grades 3-6." Presented at the Alliance for New Jersey Environmental Education Annual Conference, Rider University, Lawrenceville, NJ, January 9, 1998.
- L. Hemminger** and A. Toto. "*ToxRAP*<sup>TM</sup>." Presented at the Annual Teachers, Industry, and the Environment (TIE) Workshop, Chemical Industry Council of New Jersey, Princeton, NJ, January 31, 1998.
- L. Hemminger** and B. Steinberg. "*ToxRAP*<sup>TM</sup>." Presented at the American Association for the Advancement of Science Annual Meeting and Science Innovation Exposition, Philadelphia, PA, February 14, 1998.
- L. Hemminger**. "*ToxRAP*<sup>TM</sup> for Grades K-6." Presented at the Council of Elementary Science of New Jersey Annual Conference, West Windsor, NJ, March 18, 1998.
- L. Hemminger**, B. Steinberg, B. Schlegel, D. Shields, L. Weidner and A.R. Gotsch. "*ToxRAP*<sup>TM</sup>." Presented at the National Institute of Environmental Health Sciences, K-12 Environmental Health Sciences Education: Instructional Materials Development and Teacher Enhancement and Development Meeting and Workshop, Baltimore, MD, July 26, 1998.
- L. Hemminger**, B. Steinberg, B. Schlegel, D. Shields, L. Weidner and A.R. Gotsch. "Experience *ToxRAP*<sup>TM</sup>." Presented at the North American Association for Environmental Education Annual Conference, Atlanta, GA, September 6, 1998.
- L. Hemminger**, A.R. Gotsch, B. Steinberg, L. Weidner and J.B. Newman. "National Environmental Health Education Campaign." Presented at the North American Association for Environmental Education Annual Conference, Atlanta, GA, September 7, 1998.
- L. Hemminger**. "Experience *ToxRAP*<sup>TM</sup>." Presented at Interacts '98: A Region 4 Air Quality Outreach Initiative, Louisville, KY, October 5, 1998.
- L. Hemminger** and F. Kenny. "Mystery Illness Strikes the Sanchez Household." Presented at the New Jersey Science Convention, Somerset, NJ, October 13, 1998.
- L. Hemminger**, P. Naples and V. Hoden. "What is Wrong with the Johnson Family?" Presented at the New Jersey Science Convention, Somerset, NJ, October 13, 1998.
- L. Hemminger** and C. Cervati. "The Case of the Green Feathers." Presented at the New Jersey Science Convention, Somerset, NJ, October 14, 1998.

- L. Hemminger**, A. Toto, B. Steinberg, L. Weidner and A.R. Gotsch. "National Environmental Health Education Campaign." Presented at the American Public Health Association Annual Meeting, Washington, DC, November 18, 1998.
- B. Steinberg, B. Schlegel, D. Shields, **L. Hemminger**, A.R. Gotsch and L. Weidner. "Integrating Environmental Issues Across Subjects." Presented at the Society of Toxicology Annual Meeting, New Orleans, LA, March, 16, 1999.
- L. Hemminger**. "Environmental Health Education: Tools for Integration." Presented at the American Alliance for Health, Physical Education, Recreation and Dance National Convention, Boston, MA, April 23, 1999.
- L. Hemminger**, B. Steinberg, B. Schlegel, L. Weidner and A.R. Gotsch. "Integrating Environmental Issues Across K-12 Curricula." Presented at the North American Association for Environmental Education Conference, Cincinnati, OH, August 28, 1999.
- L. Hemminger**. "*ToxRAP*<sup>TM</sup>: What is Wrong With the Johnson Family?" Presented at the North American Association for Environmental Education Conference, Cincinnati, OH, August 28, 1999.
- L. Hemminger**, B. Steinberg, L. Weidner and A. Gotsch. "A Framework for Teaching Environmental Health Education." Presented at the American Public Health Association Annual Meeting, Chicago, IL, November 9, 1999.
- L. Hemminger**. "Environmental Health Education in Toms River." Presented at the ATSDR Partners in Public Health Meeting, Atlanta, GA, April 2, 2001.
- L. Hemminger**, B. Schlegel, L. Estok and A. Mitchell. "Environmental Health Sciences Training and Education Program." Presented at the Environmental Health Sciences as an Integrative Context Annual Grantees Meeting, Houston, TX, April 4, 2001.
- L. Hemminger**. "Partnering to Disseminate Curriculum Nationwide." Presented at the Annual National American Association for Environmental Education Conference, Anchorage, AK, October 11, 2003.
- L. Hemminger**. "Developing Integrated Environmental Health Curricula." Presented at the Annual National American Association for Environmental Education Conference, Anchorage, AK, October 11, 2003.
- L. Waishwell, B. Schlegel, **L. Hemminger**, L. Weidner, A. Gotsch. "Success with SUC<sub>2</sub>ES<sub>2</sub> (Students Understanding Critical Connections between the Environment, Society and Self)." Presented at the American Public Health Association Annual Meeting, San Francisco, CA, November 19, 2003.
- J. Gorenstein, **L. Hemminger** and L. O'Fallon. "Environmental Health: Making the Connection!" Presented at the National Science Teachers Association Annual Meeting, Atlanta, GA, April 3, 2004.
- L. Waishwell, B. Schlegel, **L. Hemminger**, J. Campbell, A. Gotsch. "Success with SUC<sub>2</sub>ES<sub>2</sub> (Students Understanding Critical Connections between the Environment, Society and Self)." Presented at the EOHSI Research Day, Piscataway, NJ, May 13, 2004.
- L. Hemminger**. "Education for Life." Presented at the Conference for Healthy Kids, Brighter Guam, Tumon, Guam, October 7-8, 2004.
- L. Hemminger**. "HOPE Partnership (Health Observances and Public Education)." Presented at the Annual NIEHS Centers of Excellence Director's Meeting, Research Triangle Park, NC October 19, 2004.
- B. Schlegel, **L. Hemminger**, A. Gotsch. "Using the World Trade Center collapse to Teach Environmental Health to Middle School Students." Presented at the American Public Health Association Annual Meeting, Washington, DC, November 10, 2004.
- B. Schlegel, L. Waishwell, **L. Hemminger**, L. Weidner, A. Gotsch. "Leaving No Child Behind with Environmental Health." Presented at the American Public Health Association Annual Meeting, Washington, DC, November 10, 2004.
- L. Hemminger**, B. Schlegel, L. Waishwell, L. Weidner, A. Gotsch. "Successes of Using Integrated Science Curricula for Elementary Grade." Presented at the International Conference on Education, Honolulu, HI, January 6, 2005.
- L. Hemminger**. "Strategies for Teaching Authentic Science." Presented at the International Conference on Education, Honolulu, HI, January 7, 2005.
- J. Gorenstein, **L. Hemminger**. "Essential Knowledge of the Environment and Its Impact on Human Health." Presented at the National Science Teachers Association Annual Meeting, Dallas, TX, April 1, 2005.
- L. Hemminger**, K. Frevert, K. Mingo, L. Pitman and B. Schlegel. "University-School District Partnerships for Curriculum Integration and Contextual Learning." Presented at the Association for Supervision and Curriculum Development Annual Meeting, Orlando, FL, April 2, 2005.
- B. Schlegel, L. Rotella and **L. Hemminger**. "Two Heads Are Better Than One: A School/University Partnership." Presented at the Association for Supervision and Curriculum Development Annual Meeting, Orlando, FL, April 3, 2005.
- L. Hemminger**. "Show Us the Money!" Partnering for Grants and Success." Presented at the National Association of Biology Teachers Annual Meeting, Milwaukee, WI, October 6, 2005.

- L. Hemminger**. “Environmental Health Education in the Science Classroom.” Presented at the Society of Public Health Education Annual Meeting, Philadelphia, PA, December 9, 2005.
- L. Waishwell, B. Schlegel, **L. Hemminger**, L. Weidner, L. Copeland, A. Gotsch, “Partnering for Successful Curriculum Integration” presented at the Hawaii International Conference on Education, Honolulu, HI, January 7, 2006.
- K. Thigpen Tart, S. Hines, **L. Hemminger**, L. Pittman, W. Stephen and H. Sullivan, “Incorporating Real, Published Research into High School and College Science Using Environmental Health Perspectives (EHP) Student Edition”, presented at the National Science Education Conference for the National Science Teachers Association, Anaheim, CA, April 8, 2006.
- L. Hemminger** and B. Schlegel. “Integrated Curriculum: Development, Implementation and Evaluation.” Presented at the New Jersey Association for Supervision and Curriculum Development Annual Meeting, East Windsor, NJ, January 31, 2007.
- L. Waishwell, **L. Hemminger** and J. Campbell. “What Does the Public Want to Know about Health-Related Research?” presented at the American Public Health Association Annual Meeting, Washington, DC, November 6, 2007.
- L. Waishwell, D. Lucas, J. Campbell and **L. Hemminger**. “Effect of scientific literacy on public perception of environmental health risks ” presented at the American Public Health Association Annual Meeting, Washington, DC, October 28, 2008.
- L. Hemminger**. “The Greener Side of Health Promotion” (Keynote Address). Presented at Environmental Health Promotion: Where We Live, Work, and Play, New Jersey Society for Public Health Education, Freehold, NJ, May 14, 2009.
- J.K. Campbell, **L. Hemminger**, P. De La Cruz and D.G. Shendell. School science lab safety trainings on a dime” presented at the American Public Health Association Annual Meeting, Philadelphia, PA, November 10, 2009.
- L. Hemminger**, J.K. Campbell, H. Vig and D. Toppmeyer. “BioCONNECT (Biology and Cancer, Online Education Connecting Teens): An innovative and interactive high school curriculum" presented at the American Public Health Association Annual Meeting, Philadelphia, PA, November 11, 2009.
- J.K. Campbell, **L. Hemminger**, H. Vig and D. Toppmeyer. “BioCONNECT (Biology and Cancer, Online Education Connecting Teens): An innovative and interactive high school curriculum" presented at the Annual New Jersey Science Convention, Somerset, NJ, October 13, 2010.
- J.K. Campbell, **L. Hemminger**, H. Vig and D. Toppmeyer. “BioCONNECT (Biology and Cancer, Online Education Connecting Teens): An innovative and interactive high school curriculum" presented at the South Carolina Science Council Annual Meeting, Myrtle Beach, SC, November 4, 2010.
- J.K. Campbell, **L. Liang**, H. Vig and D. Toppmeyer. “BioCONNECT (Biology and Cancer, Online Education Connecting Teens): An innovative and interactive high school curriculum" presented at the National Science Teachers Association Annual Meeting, San Francisco, CA, March 12, 2011.
- L. Liang** and L. Fox. “BOLD Initiative: A summer camp for high school students to increase cancer literacy, prevention and career awareness” presented at the American Public Health Association Annual Meeting, San Francisco, CA, October 31, 2012.
- L. Aleksunes, **L. Liang**, E. Caswell and D. Laskin. “Development of a Summer Undergraduate Research Program in Toxicology and Environmental Health Sciences” presented at the Society of Toxicology Annual Meeting, San Antonio, TX, March 13, 2013.
- L. Aleksunes, E. Caswell, J. Gutierrez, **L. Liang**, and D. Laskin. “Evaluation of a summer undergraduate fellowship in toxicology and environmental health sciences: Self-assessment of research competencies” presented at the Society of Toxicology Annual Meeting, Phoenix, AZ, March 26, 2014.
- C. Gabriele and **L. Liang**. “BioCONNECT (Biology and Cancer, Online Education Connecting Teens)” presented at the National Science Teachers Association Area Conference on Science Education, Philadelphia, PA, November 13, 2015.
- C. Gabriele and **L. Liang**. “BioCONNECT (Biology and Cancer, Online Education Connecting Teens)” presented at the National Association of Biology Teachers Annual Meeting, Providence, RI, November 14, 2015.
- L.E. Liang**. “Decoding Cancer Featuring BioCONNECT.” Invited presentation for the \Oncology for the Classroom: Inspiring the Next Generation Of Medical Professionals session at the 2018 Partners for Connections in Education Annual Conference, Cape May, NJ, April 26, 2018.
- T.I. Mackie, O. Wackowski, S. Davis, **L.E. Liang**, P. Halkitis, and J. Graber. “A Stakeholder-Engaged and Multi-method Approach to Addressing the Council on Education for Public Health's Re-accreditation Requirements.” Podium Presentation at the American Public Health Association Annual Meeting, San Diego, CA, November 2018.
- L.E. Liang** and M.R. Passannante. “PHocus (Public Health: Outbreaks, Communities, and Urban Studies) Summer Experience for High School Students” presented at Association of Schools and Programs of Public Health’s Delta Omega Innovative Curriculum Awards, webinar, February 1, 2019.

- L.E. Liang** and M.R. Passannante. “PHocus (Public Health: Outbreaks, Communities, and Urban Studies) Summer Experience for High School Students” presented at the Academic Affairs Section Meeting during the Association of Schools and Programs of Public Health’s Annual Meeting, Arlington, VA, March 22, 2019.
- L.E. Liang** and L. Kantor. “Addressing CEPH Leadership Competencies in Graduate Public Health Education” presented at the Association for Prevention Teaching and Research 76th Annual Meeting, Teaching Prevention 2019: Building a New Paradigm for Population Health, Cleveland, OH, April 2, 2019.
- L.E. Liang**, M.R. Passannante, H.F. Raymond, P. Valera, C. Wei, P.N. Halkitis. “Developing an MPH in LGBTQ Health” presented at presented at the Association for Prevention Teaching and Research 76th Annual Meeting, Teaching Prevention 2019: Building a New Paradigm for Population Health, Cleveland, OH, April 3, 2019.
- L.E. Liang**. “How to Get Started in Online Teaching” presented at the Academic Affairs Section Meeting during the Association of Schools and Programs of Public Health’s Annual Retreat, Seattle, WA, June 20, 2019.
- M. Vega and **L.E. Liang**. “Navigating Competing Interests: A Case Study of Faculty Advisors in Graduate Public Health Education” presented at the National Conference on Academic Advising’s Annual Conference, Louisville, KY, October 23, 2019.
- L.E. Liang**. “Mental Health First Aid” presented during Mental Health Considerations in these Challenging Times session at the Association of Schools and Programs of Public Health’s Annual Meeting (held virtually), May 1, 2020.
- L.E. Liang**. “Using Twitter to Engage Students Between Classes.” Abstract accepted for the Lilly Conference on Designing Effective Teaching, Bethesda, MD, May 2020 (format of conference was changed due to COVID-19 pandemic and was not able to present).
- L.E. Liang**. “Implementing an Alternative Assessment: Multiple-Choice Questions Created by Students” presented during the 2021 Rutgers Online Learning Conference (held virtually), March 15, 2021.