

# JESSICA TROWBRIDGE

## EDUCATION:

M.P.H. University of California Berkeley, Environmental Health Sciences, 2011  
B.S. University of California, Berkeley, BS Molecular Environmental Biology, 2003  
A.A. Merritt Community College, General Education, 2000

## EXPERIENCE:

WOMEN FIREFIGHTERS BIOMONITORING COLLABORATIVE (WFBC) UC Berkeley

(February 2014 – Present)

*Study Coordinator*

- Recruit consent and interview 160 SF firefighters and non-first responders into the study.
- Prepare IRB amendments, including a certificate of confidentiality from the NIH and inter-UC reliance documents
- Develop sample collection and processing protocols
- Process human blood and urine samples; aliquoting serum, plasma, buffy coat and red blood cells
- Assist with grant writing and setting up collaborations for further analysis
- Track and maintain a database of activities and accomplishments for progress reports to funders
- Train study staff, both firefighters and non-firefighters, on interviewing, sample collection and processing

INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE (INSERM)- Rennes, France

(August 2013- February 2014)

*Research Engineer*

- Analyzed data from a longitudinal cohort study on pregnancy exposures and childhood development looking at solvent exposure during pregnancy and neurodevelopmental outcomes in the children
- Advised for, translated and edited a grant linking together primary care, environmental health and community education for improved patient outcomes at the Rennes Medical hospital and school of public health

PROGRAM FOR REPRODUCTIVE HEALTH AND THE ENVIRONMENT, UCSF, (June 2010- April 2013)

*Research Scientist*

- Assisted with the development of the protocol and study documents for the Chemicals in Our Bodies (CIOB) study—a biomonitoring pilot study of pregnant women at San Francisco General Hospital (SFGH)
- Translated CIOB consent forms and questionnaires from English to Spanish, ensuring cultural relevance
- Collaborated with clinicians, nurses, and staff at SFGH for participant recruitment and sample collection
- Recruited and consented participants from SFGH into the study in both Spanish and English
- Conducted preliminary and exposure assessment interviews with CIOB participants
- Collected, processed and prepared urine, blood, and blood serum for shipment and analysis
- Coordinated data entry and quality control of CIOB study documents and questionnaires
- Developed and disseminated patient centered education materials on environmental chemicals
- Co-coordinated the Reach the Decision Makers training on impacting environmental policy at the USEPA
- Implemented PRHE's communication strategy including tracking talks, presentations and outreach
- Analyzed survey data from a national survey of doctors on environmental health
- Co-authored the 2013 ACOG Committee Opinion on reproductive environmental health
- Assisted with writing and the organization of a successful NIH P01 grant

ENVIRONMENTAL HEALTH SCIENCE DEPARTMENT, UC Berkeley, (January 2010 – May 2010)

- Graduate Student Researcher
- Conducted research on policy relating to the use of cumulative impacts on "Superfund" sites and in the Environmental Protection Agency (EPA)
- Investigated EPA's Superfund program and 'CARE' Program through the Internet as well as in person and telephone interviews of EPA employees and program managers.
- Developed comprehensive understanding of how the EPA works with communities to address environmental problems

BIOLOGY SCHOLARS PROGRAM, Berkeley, CA (January 2005- August 2009)

*Student Affairs Officer II and student services manager*

- Advised and mentored students in the Biology Scholars Program (BSP). A diversity program for under-represented, first generation and low income students studying science at UC Berkeley
- Managed a staff of 7 advisors, trained new advisors and conducted staff meetings
- Collected and tracked data of over 50 students per year through graduate school application process
- Assisted with the compilation and organization of an alumni database of over 2000 students
- Wrote the yearly reports to funding sources on program success and accomplishments
- Co-developed and taught a class on leadership skills at UC Berkeley for URM students in the sciences

TIBURCIO VASQUEZ HEALTH CENTER, INC. Union City, CA (September 2003- December 2005)

*HIV Health Educator*

- Developed an HIV prevention program for a Spanish speaking community at a primary care clinic
- Designed culturally and linguistically appropriate training manual and workshop materials
- Created evaluation surveys to determine workshop, intervention, and program impact
- Recruited, trained, and coordinated 17 community health workers or “Promotoras de Salud”
- Maintained and analyzed data on effectiveness of workshops, interventions and program milestones

**PUBLICATIONS**

**Jessica Trowbridge**, Patrice Sutton, Linda G. Giudice, Tracey J. Woodruff, “Environmental Factors in Reproduction” in Yen and Jaffe’s Reproductive Environmental Health, 7th Edition, (2014)

Naomi E. Stotland, Patrice Sutton, **Jessica Trowbridge**, Dylan S. Atchley, Jeanne Conry, Leonardo Trasande, Barbara Gerbert, Annemarie Charlesworth, Tracey J. Woodruff. Counseling Patients on Preventing Prenatal Environmental Exposures- A Mixed-Methods Study of Obstetricians. June 25, 2014. PLOS one.

**PRESENTATIONS**

**Jessica Trowbridge**, Patrice Sutton, Naomi Stotland, Annemarie Charlesworth, Dylan Atchley, Tracey J. Woodruff. Oral Presentation. Clinicians and their Role in Reproductive Environmental Health. American Public Health Association National Conference. October, 2012

Marj Plumb, **Jessica Trowbridge**, Annemarie Charlesworth, Carol Brindis, Tracey J. Woodruff. Oral presentation Protecting Reproductive Health through Policy Advocacy Training. American Public Health Association National Conference. October, 2012

**Jessica Trowbridge**, Charline Warembourg, Christine Monfort, Marylene Jourdin, Florent Le Gleun, Ronan Garlantezec, Sylvaine Cordier, Cecile Chevrier. Oral presentation. Prenatal exposure to organic solvents and contrast sensitivity performance in 6-year-old children. International Society for Environmental Epidemiology Conference. August, 2014