

Elana Wallenstein Silver

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Innovation and Critical Analysis in Public Health

Epidemiologist and project manager. Wide array of experience in health and prevention research and practice in government, academic and industry settings. Expertise in interfacing across broadly cross-functional teams.

Consulting • Project management • Research • Data analysis • New technologies

PROFESSIONAL EXPERIENCE

Laurelton Research, Oakland, CA Jan 2011 - present
Principal Consultant to researchers, health care providers, non-profit orgs, and more.

- Research design & statistical analysis, including literature reviews & results dissemination;
- Translational research and analysis in emerging scientific areas i.e. personalized medicine;
- Develop health web applications and courses for consumers, doctors, and scientists.

Navigenics, Foster City, CA November 2007 - Jan 2011
Science Manager building from the ground up a cutting-edge genetic testing service.

- Lead R&D team to evaluate, validate, and integrate new technologies;
- Lead curation team of a dozen full time staff and contactors to create and implement standards for selection of genetic markers;
- Create content for websites and tools and guide software implementation and testing;
- Submit regulatory filings that must meet higher-than-normal levels of oversight.

California Department of Health Services, Richmond, CA March 2005 - June 2007
Research Scientist responsible for epidemiological analysis and risk communication.

- Build collaborations with stakeholders, government, NGOs, and researchers;
- Design and conduct epidemiologic surveys, sampling plans, and analyses;
- Communicate health risks of chemical exposures;
- Supervise and train field interviewers and data analysts.

El Dorado County Public Health Department, Placerville, CA October 2003 - March 2005
Epidemiologist responsible for developing capacity in a small rural health department.

- Address community concerns and monitor the health status of County residents;
- Conduct epidemiological analyses of disease incidence, access to health care, birth outcomes, causes of death, cancer rates, and disease outbreaks;
- Investigate food-borne outbreaks through case-control studies;
- Train county staff in epidemiology, survey design, and data analysis.

OTHER RELEVANT EXPERIENCE

Chair, Board of Directors • 2012-2016 • Breast Cancer Action (San Francisco, CA)
Political and legislative advocacy for toxic chemical reform, safer drugs, and patient support.
Study Coordinator • 2002-2003 • Children's Hospital of Oakland Research Institute (Oakland, CA) Direct and conduct research studies of tuberculosis locally and internationally.
Research Fellow • 1999-2000 • National Human Genome Research Institute, NIH (Bethesda, MD) Laboratory and statistical research into causes of breast cancer and neural tube defects.

EDUCATION

UC Berkeley School of Public Health, Berkeley, M.S. in Epidemiology
Columbia College, New York, B.A. in Biology

AWARDS AND HONORS

Outstanding Graduate Student Instructor Award, UC Berkeley
Block Fellowship, UC Berkeley
Dean's List, Columbia College

PUBLICATIONS

- Monoamine oxidase inhibitory activity of flavoured e-cigarette liquids, Truman P, Stanfill S, Heydari A, Silver E, Fowles J, *Neurotoxicology*, 75:123-128, 2019.
- Blood Basophil Activation is a Reliable Biomarker of ABPA in Cystic Fibrosis, Genrez *et al.*, *European Respiratory Journal*, 47(1):177-85, 2016.
- Utilization of Psychiatric Services by Postpartum Women in an Low-income and Mostly Minority Urban Population, Sepowitz R, Silver E, *et al.*, *Community Mental Health Jour* 51(3):275-80, 2015.
- Presymptomatic Risk Assessment for Chronic Non-Communicable Diseases, Padhukasahasram B, Halperin E, Wessel J, Thomas DJ, Silver E, *et al.*, *PLoS ONE* 5(12): e14338, 2010.
- Consumer perceptions of direct-to-consumer personalized genomic risk assessments, Bloss C, Ornowski L, Silver E, Cargill M, Vanier V, Schork N, Topol E, *Genetics in Med* 12(9):556-66, 2010.
- Personalized genetics: a responsible approach, Stephan D, Agus D, Nierenberg M, Silver E, *American Journal of Human Genetics*, 83:130, 2008.
- Fish consumption and advisory awareness among low-income women in California's San Joaquin Delta, Silver E, *et al.*, *Environmental Research*, 104:410, 2007.
- Decreases in PBDE and PCB levels in breast milk during lactation in California first-time breast-feeding mothers, Hooper K, She J, Sharp M, Gephart R, Silver E, *et al.*, *Organohalogen C* 68, 2006.
- Effect of antioxidant intake on sperm chromatin stability in healthy non-smoking men, Silver E, Eskenazi B, Evenson D, Block G, Young S, Wyrobek A, *Journal of Andrology* 26:3, 2005.
- Report of the anthropology group for the cytokine polymorphism component, Louie L, Wallenstein E, *et al.*, *HLA 2004: Immunobiology of the Human MHC. Proceedings of the 13th IHWC*, 2004.

SELECTED PRESENTATIONS AND REPORTS

- Inward and Outward: The Role of Patient Self-Monitoring and Patient Communities in IBD, Silver E, Wallenstein S, Levy A. *Advances in IBD*, Hollywood, FL, 2012.
- Psychological and behavioral impacts of direct-to-consumer personalized genomic risk testing, Bloss C, Silver E, Topol, E, *et al.*. American Society of Human Genetics, Washington, DC, 2010.
- Curating Genetic Association Literature for Common Diseases, Silver E, Halperin E, Kober K, *et al.* *Nature Precedings*, Third International Biocuration Conference, Berlin, Germany, 2009.
- Predictors of pesticide concentrations in house dust in an agricultural community, Silver E, Harnly M, Smith D, Nishioka M, McLaughlin B, Eskenazi B, Bradman A. *National Environmental Public Health Conference*, Atlanta, GA, 2006.
- Fish consumption practices of California women of childbearing age and anglers, Silver E, Kaslow J, Mackie T, Weis E, Lee D, Lee S, Tan ML, Copan L, Ujihara A. *Eighth Annual Conference on Mercury as a Global Pollutant*, Madison, WI, 2006.
- California's Delta Watershed Fish Project, Silver E, Copan L, Kaslow J, Lee D, Lee S, Tan ML, Ujihara A, Weis A. *National Forum on Contaminants in Fish*, Baltimore, MD, 2005.
- Understanding exposure to mercury, Kaslow J, Silver E, Weis E, Lee D, Tan ML, Lee S, Ujihara A. *American Public Health Association*, Philadelphia, PA, 2005.
- Naturally occurring asbestos in El Dorado County, Silver E. *Western Regional Epidemiologist Network Conference*, Ashland, OR, May 2004.
- Measuring our health: The health status of El Dorado County, Placerville, CA, 2004.