



Academic partners in the US and globally

UCSF

- Pediatrics
- Neurology
- Medicine
- Global Health Sciences
- Sabre-Sandler Asthma Basic Research Center
- Diabetes Center
- Philip R. Lee Institute for Health Policy Studies

National

- Pediatric Environmental Health Specialty Units
- Children's Environmental Health Centers

International

- The Cochrane Collaboration
- Collaborative Approach to Meta-Analysis and Review of Animal Data from Experimental Studies
- Grading of Recommendations Assessment, Development and Evaluation
- Pan American Health Organization

State and federal government agencies

- U.S. Environmental Protection Agency
- Agency for Toxic Substances and Disease Registry
- National Academy of Sciences
- National Cancer Institute
- National Center for Health Statistics/Center for Disease Control and Prevention
- National Institute of Environmental Health Sciences
- National Institutes of Health
- National Toxicology Program
- World Health Organization
- California Environmental Protection Agency
- California Institute for Regenerative Medicine

Reproductive and Other Health Professional Societies

- International Federation of Gynecology and Obstetrics
- American College of Obstetricians and Gynecologists
- American Society for Reproductive Medicine
- American Academy of Pediatrics
- The Endocrine Society
- American College of Nurse-Midwives
- Association of Women's Health, Obstetric and Neonatal Nurses
- Canadian Association of Medicine
- European Board & College Obstetrics and Gynecology
- National Aboriginal Council of Midwives
- Society for Maternal-Fetal Medicine Publications Committee
- The Society of Obstetricians and Gynaecologists of Canada

Non-Governmental Organizations

- Breast Cancer Fund
- Collaborative on Health and the Environment
- Health Care Without Harm
- Health and Environment Alliance
- Natural Resources Defense Council
- Physicians for Social Responsibility
- Women in Europe for a Common Future

Our diverse partners make our work efficient and highly impactful in a variety of ways:

Some partners are highly effective leaders in integrating the science into health-based decision-making about environmental chemicals.

Academic partners

Through the **Environmental Health Initiative** we leverage the existing research and research translation expertise of academic partners all across the UCSF campuses, including the departments of Pediatrics, Neurology, Medicine, and Global Health Sciences, as well as the Sabre-Sandler Asthma Basic Research Center, the UCSF Diabetes Center, and the Philip R. Lee Institute for Health Policy Studies.

We are one of 14 **Children's Environmental Health Centers** funded by the U.S. Environmental Protection Agency and the National Institute for Environmental Health Sciences and located at universities and medical schools across the U.S. We interact with the other Centers regularly, to share findings, knowledge, and experience, and to amplify our mutual communications efforts.

We also work in close partnership with **Pediatric Environmental Health Specialty Units (PESHUs)** to engage health professionals and to communicate the science. PESHUs are national network of academic referral centers where clinicians and the public can learn from medical experts how to prevent exposure during pregnancy and among children to toxic environmental chemicals and other environmental health hazards.

Reproductive Health Professional Societies

We work closely with the leadership and members of reproductive health professional societies because they are uniquely poised to intervene during pregnancy—and thus impact exposures during this critical window of human development. Moreover, leveraging the voice of reproductive health professionals in policy arenas is an extremely powerful force for change. Finally, because women and men who are planning a family are extremely receptive to information from their health professional about environmental health, pregnancy is a teachable moment.

Non-Governmental Organizations

We work with NGOs such as the Natural Resources Defense Council, Breast Cancer Fund, Physicians for Social Responsibility, Health Care Without Harm, and more recently through the efforts of the JPB Foundation with its grantees, to provide scientific and technical support to their programmatic and advocacy work and to ensure our research is policy-relevant and is communicated widely.

Some partners have tremendous experience and knowledge of about “the rules” of science-based decision-making in disciplines outside of environmental health.

International collaborations engaged in the development and application of systematic review methods

We work with these partners to efficiently and effectively apply their expertise about methods for systematically and transparently translating scientific findings into improved health outcomes. To this end, we work in partnership with:

- (1) **The Cochrane Collaboration**, formed in 1993 it is an independent, non-profit, non-governmental organization consisting of a group of more than 31,000 volunteers in more than 120 countries who conduct systematic reviews primarily of healthcare interventions (see <http://www.cochrane.org>). Over the past several years, the Cochrane Collaboration and colleagues around the world have been developing methods for the systematic review of toxicological data.
- (2) **CAMARADES** (Collaborative Approach to Meta-Analysis and Review of Animal Data from Experimental Studies) provides a supporting framework for groups involved in the systematic review and meta-analysis of data from experimental animal studies (see <http://www.dcn.ed.ac.uk/camarades/people.html>).
- (3) **GRADE** (Grading of Recommendations Assessment, Development and Evaluation), an international collaboration that works to develop a common, sensible and transparent approach to grading quality (or certainty) of evidence and strength of recommendations, and is now actively engaged in applying this approach to supporting evidence-based decision-making in environmental health (see <http://www.gradeworkinggroup.org/>).

Other partners make authoritative decisions about hazards and risks of environmental chemicals.

State and federal government agencies

We interact regularly with government scientists to improve the rules for how “authoritative lists” of chemical hazards are developed by government agencies. Such authoritative lists are relied upon every day by product manufacturers, designers, architects, institutional buyers, and consumers, for making decisions about chemicals in commerce. This includes collaborative research with scientists at the **U.S. Environmental Protection Agency**, the **National Toxicology Program**, and the **California Environmental Protection Agency**; and providing scientific and technical input to these agencies through meetings, presentations, public comments.

Navigation Guide Work Group

Since 2009 we have nurtured and sustained the **Navigation Guide Work Group**, a network of 109 collaborators and allies from non-governmental organizations, academia, international, federal, and state government agencies, health professional societies, and healthcare providers. Members collaborate on improving the rules that underlie scientific decision-making about the toxicity of environmental chemicals.

Collectively, our extensive partnerships truly leverage a world of trans-disciplinary knowledge and experience that contributes directly to advancing the scientific integrity and policy relevance of all our work, and ensures that the topic of toxic environmental chemicals is communicated through a wide and diverse network.