

IMPLEMENTATION OF THE CALIFORNIA ENVIRONMENTAL
CONTAMINANT BIOMONITORING PROGRAM

**Appendix B of
Report to the California Legislature**

California Department of Public Health
in collaboration with
California Environmental Protection Agency's
Office of Environmental Health Hazard Assessment and
Department of Toxic Substances Control

January 2010



Arnold Schwarzenegger
Governor
State of California

Kimberly Belshé
Secretary
California Health and Human
Services Agency

Mark Horton
Director
California Department of Public Health



Appendix B: Scientific Guidance Panel

The Scientific Guidance Panel (SGP), a panel of expert scientists from outside of state government, will play a major role in the California Environmental Contaminant Biomonitoring Program (CECBP).

Role of the Panel

The role of the Panel is to:

1. Make recommendations regarding the program's design and implementation. This includes making specific recommendations regarding chemicals that are priorities for biomonitoring in California.
2. Provide scientific peer review for the CECBP.

Appointment of Panel members

The SGP has a total of nine members. Appointment to the Panel is by the Governor (five members) and the California Legislature (Speaker of the Assembly, two members; Senate Committee on Rules, two members). Members are appointed for three-year terms and may be reappointed for additional terms without limitation.

As required by SB 1379, persons appointed to the SGP must have expertise in one or more of the following areas: Public health, epidemiology, biostatistics, environmental medicine, risk analysis, exposure assessment, developmental biology, laboratory science, bioethics, maternal and child health (specialty in breastfeeding), and toxicology.

They will oversee and make recommendations on how the program is developed and carried out.

Panel meetings are open to the public.

Current SGP Members

Name	Affiliations	Appointed by
Asa Bradman, M.S., Ph.D.	Associate Director, Center for Children's Environmental Health Research, School of Public Health, UC Berkeley and Co-Principal Investigator, Center for Health Assessment of Mothers and Children of Salinas (CHAMACOS)	Governor Schwarzenegger

B. Dwight Culver, M.D.	Clinical Professor of Medicine (Epidemiology), UC Irvine	Governor Schwarzenegger
Marion Kavanaugh-Lynch, M.D., M.P.H.	Director, California Breast Cancer Research Program, University of California, Office of the President	Speaker of the Assembly
Ulrike Luderer, M.D., Ph.D.	Associate Professor, Center for Occupational and Environmental Health, School of Medicine, UC Irvine	Governor Schwarzenegger
Thomas McKone, Ph.D.	Adjunct Professor, School of Public Health, UC Berkeley and Senior Scientist, Environmental Technologies Division, Lawrence Berkeley National Laboratory	Governor Schwarzenegger
Edward Moreno, M.D., M.P.H.	Director, Department of Community Health, and Health Officer, Fresno County	Governor Schwarzenegger
Gina Solomon, M.D., M.P.H.	Associate Clinical Professor of Medicine, and Associate Director, Pediatric Environmental Health Specialty Unit, UC San Francisco and Senior Scientist, Natural Resources Defense Council	Senate Committee on Rules
Julia Quint, Ph.D.	Research Scientist Supervisor II and Chief (Retired), Hazard Evaluation System and Information Service (HESIS), Occupational Health Branch, California Department of Health Services (renamed California Department of Public Health).	Senate Committee on Rules
Michael P. Wilson, Ph.D., M.P.H.	Assistant Research Scientist, Center for Environmental and Occupational Health, School of Public Health, UC Berkeley	Speaker of the Assembly

SGP MEMBER BIOGRAPHIES

Asa Bradman, M.S., Ph.D.

Dr. Asa Bradman is an Environmental Health Scientist who focuses on environmental exposures to pregnant women and young children. In 1997, he helped create, and is now Associate Director of, the Center for Children's Environmental Health Research in the School of Public Health at the University of California, Berkeley. In this capacity he helps direct multiple biomonitoring and exposure studies investigating the relationship of environmental exposures and health in children living in the Salinas Valley, California. Between 1987 and 1997, Dr. Bradman participated in studies of lead exposure, iron deficiency, pesticide exposure, and childhood cancer with the California Department of Health Services. He has served on a number of advisory bodies, including the Science Advisory Council for the National Center for Healthy Homes, California Childcare Health Program Advisory Committee, Silent Spring Institute California Advisory Board, and the Exposures to Chemical Agents Working Group for the National Children's Study.

B. Dwight Culver, M.D.

Dr. B. Dwight Culver has worked for the University of California, Irvine (UCI) School of Medicine since 1972 and currently holds the position of Clinical Professor in the epidemiology department. Culver previously held several positions with the University including co-director of the cancer surveillance program in the division of epidemiology in the department of medicine from 1988 to 2004; director of the residency training program in occupational medicine in the department of community and environmental medicine and the department of medicine from 1976 to 1991. Prior to joining UCI, he was president and chair of the Systemed Corporation from 1967 to 1972 and medical director of the Azusa facility of Aerojet General Corporation from 1958 to 1967. He also served as a physician for the California State Health Department from 1953 to 1956.

Marion H. E. Kavanaugh-Lynch, M.D., M.P.H.

Dr. Marion Kavanaugh-Lynch is the Director of the California Breast Cancer Research Program in the Office of the President at the University of California. Her work includes setting priorities and developing strategies for the state of California's research efforts designed to bring an end to breast cancer. Currently, she is leading a national panel that is developing research strategies to explore the role of environmental contaminants in breast cancer. She serves on the oversight group for the NIEHS/NCI Breast Cancer and Environment Research Centers. She has served on peer review and advisory panels for the National Institutes of Health, the Centers for Disease Control and Prevention, and the California Department of Health Services, as well as for The Breast Cancer Fund, the Gay and Lesbian Medical Association, and the American Cancer Society.

Ulrike Luderer, M.D., Ph.D., M.P.H.

Dr. Ulrike Luderer is Associate Professor of Medicine in the Division of Occupational and Environmental Medicine in the Department of Medicine at the University of California at Irvine. She also holds secondary appointments in the Departments of Developmental and Cell Biology and Environmental Toxicology. Dr. Luderer's research focuses on mechanisms of action of reproductive toxicants and on protective

mechanisms against those toxicants. She has served on the National Toxicology Program/NIEHS Center for the Evaluation of Risks to Human Reproduction Expert Panel on 1- and 2-bromopropane and chaired the Expert Panel on styrene. She served on the National Research Council subcommittee on methyl bromide. She was a member of the U.S. EPA Science Advisory Board Environmental Health Committee from 2000-2006 and served as an ad hoc member on the EPA carcinogenicity of ethylene oxide.

Thomas McKone, Ph.D.

Dr. Thomas E. McKone is a Senior Staff Scientist and Deputy Head of the Indoor Environment Department at the Lawrence Berkeley National Laboratory and an Adjunct Professor with the School of Public Health at the University of California, Berkeley. His research interests include the development, use, and evaluation of models and data for human and ecological exposure assessments and risk assessments; chemical transport and transformation in the environment; and the health and environmental impacts of energy, industrial, and agricultural systems. He has been a member of several National Academy of Sciences Committees, has served on the EPA Science Advisory Board, as well as a member of advisory committees for the Organization for Economic Cooperation and Development, the World Health Organization, the International Atomic Energy Agency, and the Food and Agriculture Organization.

Edward Moreno, M.D., M.P.H.

Dr. Edward Moreno is the Fresno County Health Officer and the Director of the Fresno County Health Department. He administers several county programs including Environmental Health, Public Health and Community Health, the Office of Emergency Services, the Central California Emergency Medical Services Agency and Indigent and Inmate Health Care Services. He serves on several Boards including the American Academy of Pediatrics California Chapter 1, California Conference of Local Health Officers, Health Officers Association of California, and the Fresno County First Five Commission. He was previously employed by the University of California San Francisco, Fresno Medical Education Program as Associate Professor of Pediatrics. He has prior experience as a general pediatrician working in private practice, in hospital based practice and in federally qualified health centers.

Julia Quint, Ph.D.

Dr. Julia Quint is a Research Scientist Supervisor II and Chief (Retired), Hazard Evaluation System and Information Service (HESIS), Occupational Health Branch, California Department of Health Services (renamed California Department of Public Health). Dr. Quint has significant experience as a toxicologist, researcher and public health practitioner. She recently retired from the Occupational Health Branch of the California Department of Health Services where she served as Chief of the Hazard Evaluation System and Information Service. Dr. Quint has served on a number of advisory boards and directed a number of public health projects.

Gina Solomon, M.D., M.P.H.

Dr. Gina Solomon is a Senior Scientist at the Natural Resources Defense Council (NRDC) and an Associate Clinical Professor of Medicine at the University of California at San Francisco (UCSF) where she is also the Associate Director of the UCSF Pediatric Environmental Health Specialty Unit. Her work has included over 30 scientific papers, book chapters, and reports on air pollution, pesticides and other environmental and occupational threats to reproductive health and child development. Dr. Solomon serves on the U.S. EPA Science Advisory Board Drinking Water Committee, as well as on the California Scientific Guidance Panel for biomonitoring. She has previously served on a committee of the National Academy of Sciences on toxicity testing, an EPA scientific committee on endocrine disrupting chemicals, and on the California Expert Working Group on Environmental Health Tracking. Dr. Solomon is co-author of the award-winning book, *Generations at Risk: Reproductive Health and the Environment*, published by MIT Press in 1999. Dr. Solomon attended medical school at Yale and did her postgraduate training in internal medicine, public health, and occupational and environmental medicine at Harvard.

Michael P. Wilson, Ph.D., M.P.H.

Dr. Michael Wilson is a research scientist at the Center for Occupational and Environmental Health (COEH) at the School of Public Health, University of California, Berkeley, where he conducts research and practice in chemicals policy, green chemistry, exposure assessment, and sustainable production (http://coeh.berkeley.edu/people/apers_educ/wilson.htm). Dr. Wilson conducted his doctoral and masters work in environmental health sciences at the University of California, Berkeley, from 1996 to 2003. He earned a bachelor's degree in biology in 1984 from the University of California, Santa Cruz. Dr. Wilson is the chief author of a 2006 report to the California Legislature, "Green Chemistry in California: A Framework for Leadership in Chemicals Policy and Innovation", (available online at http://coeh.berkeley.edu/news/06_wilson_policy.htm), published by the California Policy Research Center under the aegis of the UC Office of the President. In addition to his appointment to the Biomonitoring Program Scientific Guidance Panel, Dr. Wilson serves on the California Environmental Protection Agency's Green Chemistry Science Advisory Panel.