

RESEARCH PROPOSALS

January 2004

California Environmental Protection Agency



Air Resources Board

Air Pollution and Cardiovascular Disease in the California Teachers Study Cohort

Department of Health Services

Dr. Michael Lipsett

\$189,992 (24 months)

- **Objective:** Examine long-term exposure on incidence and mortality from cardiovascular disease.
- **Expected Results:** Information on the health effects of long-term exposure to PM and traffic.

Determination of Reactive Oxygen Species Activity in PM and Enhanced Exposure Assessment for the NIH/NIEHS Study Entitled: Ultrafine PM and Cardiorespiratory Health

University of California, Irvine

Dr. Ralph Delfino

\$175,000 (36 Months)

- **Objective:** Provide monitoring activities and biological marker assays in support of the NIH/NIEHS study.
- **Expected Results:** Definition of how air pollutants are related to day-to-day observations of cardiovascular health outcomes among a sensitive population.

Survey of Ventilation Practices and Housing Characteristics in New California Homes

University of California, Berkeley

Dr. Thomas Piazza

\$445,864 (24 Months)

CEC Funded

- **Objective:** Survey and analyze ventilation practices and indicators of indoor air quality in new homes.
- **Expected Results:** Representative data and key factors for ventilation adequacy and indoor air quality indicators in new homes.

Hourly, In-Situ Quantification of Organic Aerosol Marker Compounds

University of California, Berkeley

Professor Allen Goldstein

\$269,330 (24 Months)

- **Objective:** Demonstrate the capability of a new technique for hourly measurement of PM_{2.5} organic matter.
- **Expected Results:** New data for air quality attainment strategies for the San Joaquin SIP.

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