

California Department of Public Health (CDPH) Environmental Health Laboratory

Job opening:

Research Scientist

Posted: February 28, 2018

The CDPH Environmental Health Laboratory is recruiting for a **Research Scientist**. The position is permanent/full time and is located in Richmond, CA, in the San Francisco Bay Area.

Program Description

The [Outdoor Air Quality \(OAQ\) section](#) is a relatively small, unique research group that focuses on applied measurement research and environmental forensics to identify toxics and their likely sources. Our work deals primarily with airborne particulate matter, but often incorporates measurement of gas-phase pollutants and other matrices including soil, water, biota, building materials, household dust, food, drugs, etc. We are supported via a combination of internal, interagency, and extramural funding. Recent clients/collaborators have included US EPA, California Air Resources Board, and several local Air Pollution Control Districts, on project topics including agricultural emissions, windblown dust, wildfires, microplastics and persistent organic pollutants, flame retardants, naturally occurring asbestos, transportation emissions, engineered nanoparticles, and fungal and bacterial spores. OAQ staff currently consist of four full-time research scientists, with facilities including an aerosol physics laboratory, mobile laboratory, environmental chambers, and instrumentation including XRF, XRD, HPLC, GC/MS, ICP-MS, SEM/EDS, TEM/EDS, PCM, PLM, and FTIR and Raman microspectroscopy. For more information, see our [website](#).

Job Description

- Conducts environmental research and forensic investigations using microscopy (SEM/EDS, FTIR, Raman, PCM, and PLM), ICP-MS, GC-MS, novel air sampling strategies, and/or portable sensors and samplers.
- Presents and publishes scientific research to communicate with public health, scientific, and stakeholder communities.
- Performs laboratory upkeep and QC functions associated with these analytical techniques.
- Serves as scientific advisor to other scientists and officials within CDPH and other state, federal, and local agencies.

Qualifications

- One year of experience performing independent scientific research of moderate scope and responsibility, and possession of a doctoral degree in a closely related field, or
- One year of experience in the California state service performing independent scientific research of moderate scope and responsibility, and possession of a master's degree in a closely related field

Candidates must be certified as eligible as CDPH Research Scientist. This requires completion of the **State Standard Application** plus the **CDPH Supplemental Application**. Relevant links are given below.

Send letter of interest and CV to:

Jeff Wagner, Ph.D., Acting Chief, Outdoor Air Quality Section
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[Research Scientist Information](#)

[Cal Careers](#)

[State Standard Application](#)