

Post-Doctoral Fellow in Children's Environmental Health Epidemiology

Herbert Wertheim School of Public Health and Human Longevity Science
University of California, San Diego, School of Medicine, La Jolla, CA

UC San Diego

Duration: up to 2 years. Tentative start date: Spring 2023.

Modality: In-person. Remote work possible.

The Fellow will contribute to the design and implementation of epidemiological studies on the role of environmental contaminants on health. The work will involve research activities within the Study of Secondary Exposures to Pesticides among Children and Adolescents (ESPINA: espina.ucsd.edu), funded by NIEHS and currently in its 14th year of follow-up. Our work focuses on outcomes assessed from childhood thru young adulthood (neurocognitive, mental health, mHealth, endocrine, inflammation, hepatic, hemodynamic, respiratory, metabolomic) associated with exposures to many classes of pesticides and persistent pollutants. Our research involves geospatial determinants of exposure as well as blood and urinary markers of exposures to PFAS, PCBs, PBDE flame retardants, and many pesticides including insecticides, herbicides, and fungicides. We also have serum metabolomics measures, which coupled with targeted measures of agrochemicals, will help us estimate agricultural exposomes of participants and provide novel information on the environment-metabolome-health associations. Our latest work involves liver and thyroid imaging and mobile mental health assessments.



The position will be based in the lab of [Dr. Jose R. Suarez, MD, PhD](#) and will work collaboratively with researchers at the University of Minnesota, San Diego State University, Emory University, and Fundación Cimas del Ecuador. The Fellow will work with faculty and collaborate with teams of PhD, masters, medical and undergraduate students. The position is for 1 year, renewable to a 2nd year with successful performance of the fellow. The modality of work is in-person, but remote or hybrid modalities are possible (please specify your preference in the cover letter).

The Fellow will also have access to work within the Children's/Human Health Exposure Analysis Resource (CHEAR/HHEAR) consortium, the Coronary Artery Risk Development in Young Adults (CARDIA) study of persistent pollutants and cardiometabolic health, and the Nuts and Olestra for Persistent Organic Pollutant Reduction (NO-POPs) clinical trial. UCSD has been named the nation's 6th best public university and has ranked in the top 20 universities in the world during the last 6 years (U.S. News and World Report 2022-2023). For the 10th consecutive year, UCSD has earned over [\\$1 billion in funding per year](#) to support its extensive research enterprise.

Requirements: Applicants must have strong expertise in epidemiology/biostatistics, and environmental health and a proven ability to write high-quality scientific manuscripts. Experience with geospatial or -omics data analyses is a plus but not required. The successful candidate will have received their Ph.D. before the start date of this position

When should I apply? Applications will be reviewed on a rolling basis starting on Dec 15, 2022. Applications will be accepted until the position is filled. A final selection is expected to be made in February 2023. Applicants should provide: A) Cover letter/statement of research interests, B) Resume/CV, C) a copy of a first-authored publication and E) names and contact information for three references to Julie Denenberg (jdeneberg@health.ucsd.edu). You can also reach Dr. Suarez (jrsuarez@health.ucsd.edu) with questions. You can visit postdoc.ucsd.edu for information about policies relating to post-doctoral positions at UCSD. Salary is based on NIH and UCSD salary caps.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age or protected veteran status.