Johns Hopkins CSI EJ Initiative and EHMIL / SBID Job Openings

he **Community Science and Innovation for Environmental Justice (CSI EJ) Initiative** at the Johns Hopkins Center for a Livable Future supports and develops scientific, technical, and community-based participatory research (CBPR) capacity that responds to community-identified concerns with disproportionate and adverse environmental exposure and health burdens related to industrial food animal production (IFAP) and other industrial facilities and their operations (e.g., fossil fuels, petrochemicals, landfills, wastewater treatment, organic waste management). The primary focus of the CSI EJ Initiative is working in partnership with communities living at the fenceline of such industrial facilities to perform measurements of disproportionate and adverse exposure and health effects and translate this evidence into actions that promote environmental public health and quality of life for all.

The research of the **Environmental Health Microbiology and Immunology Laboratory (EHMIL)** and **Salivary Biomarkers of Infectious Diseases (SBID) Program** focuses on improving understanding of the dynamics and determinants of environmental and occupational exposures, stressors, and infectious diseases. A goal of EHMIL and SBID is to advance understanding of the health consequences of joint exposures to pathogens and toxicants in environmental and occupational contexts, including food animal production, drinking and recreational water, and municipal and industrial waste management. Training of researchers in EHMIL and SBID bridges the laboratory and population-based sciences and integrates advanced methods from both disciplines into community-driven epidemiologic studies of pathogen and toxicant chemical exposures, antimicrobial resistance, and host immune response to infection. EHMIL and SBID scientists are working on the development of minimally-invasive exposure and disease outcome biomarkers that could reduce participant burden related to biospecimen collection in population-based studies. Minimally-invasive biomarkers in saliva and nasal swabs are advancing understanding of the temporal dynamics of exposure and natural history of disease in vulnerable populations and remote, resource-limited settings where more invasive biospecimen collections (blood, stool, urine) pose practical and / or cultural challenges.

Open Positions

Research Program Manager (Job Req ID: 112037):

https://jobs.jhu.edu/job/Baltimore-Research-Program-Manager-MD-21205/1107952100/

Research Program Coordinator (Job Req ID: 112038):

https://jobs.jhu.edu/job/Baltimore-Research-Program-Coordinator-MD-21205/1107951700/

Research Data Analyst (Job Req ID: 111895):

https://jobs.jhu.edu/job/Baltimore-Research-Data-Analyst-MD-21205/1106629200/

CSI EJ Initiative Research Technologist (Job Req ID: 111894):

https://jobs.jhu.edu/job/Baltimore-Research-Technologist-MD-21205/1106631000/

EHMIL/SBID Research Technologist (Job Req ID: 111896):

https://jobs.jhu.edu/job/Baltimore-Research-Technologist-MD-21205/1106630200/

Contact Information

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Kind regards,
Chris.

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