



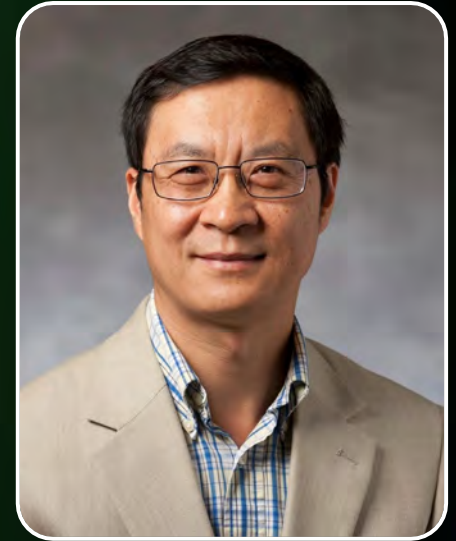
JOHN A. BURNS SCHOOL of MEDICINE
DEPARTMENT OF MEDICINE



UNIVERSITY OF HAWAII AT MĀNOA
DEPARTMENT of PUBLIC HEALTH SCIENCES

SCIENTIFIC PRESENTATION:

Indoor Air Purification for Everyday Use and During Wildfires: Does it Improve Health?



Junfeng (Jim) Zhang, Ph.D.

PROFESSOR OF GLOBAL AND ENVIRONMENTAL HEALTH CHAIR OF
ENVIRONMENTAL NATURAL SCIENCES,
THE NICHOLAS SCHOOL OF THE ENVIRONMENT
DUKE UNIVERSITY

ABSTRACT:

As people spend most of their time indoors, maintaining good indoor air quality is critical. This presentation reviews scientific evidence on air purification technologies – particularly portable HEPA filters – and their effectiveness in improving health outcomes. It will also address knowledge gaps and practical challenges, including use during wildfire episodes.

Dr. Junfeng (Jim) Zhang is a leading environmental health scientist whose research advances indoor air quality interventions to improve health outcomes and develops biomarkers predicting risks from pollutant exposure. He has authored 380+ peer-reviewed publications in leading medical and scientific journals including *NEJM*, *The Lancet*, *JAMA*, *Environmental Health Perspectives*, *Environmental Science & Technology*, and *Environment International*.

Duke
UNIVERSITY

THURSDAY, MARCH 12, 2026

1:15 – 2:15 pm

UH Manoa, Biomedical Sciences Building, Room C-104

ZOOM:

<https://hawaii.zoom.us/j/89761821024?pwd=JAGhZGLrOxzMqq0epFhy1LHn8NEnfN.1>

Password: 084926