

PROJECT DETAILS

Project Title:

Toxic Exposures of Fire Investigators.

Project Summary:

Fire investigators play a critical role in determining the causes of fires, yet their occupational exposures remain unstudied. Post-fire environments may contain toxic combustion by-products, lithium battery residues, respirable dust, and asbestos, creating potential inhalation and dermal risks. This project will undertake occupational hygiene monitoring alongside qualitative interviews to characterise exposure profiles, work practices, and risk perceptions among fire investigators. In partnership with a leading Australian fire investigation agency, the study will provide rare access to active fire scenes and engaged participants. The project aims to generate the first exposure dataset for this workforce and develop evidence-informed interventions to protect their long-term health.

Preferred Applicant Skillset:

Prior experience in occupational hygiene monitoring is highly desirable. Applicants should have a background in public health, occupational health, environmental health, or a related discipline. Strong written and spoken English proficiency is required to engage with participants and conduct qualitative interviews. Previous research experience or relevant industry experience will be highly regarded. The project requires a high degree of independence, organisational ability, and professionalism, including the capacity to undertake field-based data collection and manage stakeholder relationships in operational environments.

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