# Cassandra Rauert

Doctoral Researcher

**School of Geography, Earth and Environmental Sciences (/schools/gees/index.aspx)**

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## About

**Title of PhD:** Using forensic microscopy to elucidate pathways of halogenated flame retardant migration into indoor dust

**Supervisor:** Professor Stuart Harrad (/staff/profiles/gees/harrad-stuart.aspx)

Cassandra Rauert is undertaking research into brominated flame retardants in the indoor environment in a collaborative project under the INFLAME program (EU-funded under the Marie Curie Initial Training Network). The project focuses on migration pathways of flame retardants from treated products around the home/office into indoor dust which leads to human contamination. Emission chamber experiments and microscopy will be utilized in these experiments.

## Qualifications

Bachelor of Science (Hons I) - 2007, University of Sydney, Australia

## Biography

Cassandra Rauert studied Chemistry at the University of Sydney (Sydney, Australia), graduating with Honours in analytical Chemistry. Between her Honours and PhD she worked at the National Measurement Institute (Sydney) in the Dioxins Analysis Unit where she researched various persistent organic pollutants, implementing methods for commercial analyses.

## Research

**Research interests**

Persistent Organic Pollutants (POPs); Brominated Flame Retardants (BFRs); polybrominated diphenylethers; hexabromocyclododecanes; human exposure to flame retardants; indoor contamination

## Other activities

Cassandra Rauert has a keen interest in environmental conservation and human impact on the environment, being an active member of various groups around Birmingham with this focus.



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