



Conference Programme

Monday 14 September 2026

13:00 - 14:30 Registration, Refreshments & Exhibition

14:30 - 14:45 Welcome Helen Taylor (Chair)
BOHS President

14:45 - 15:30 **Session 1 - Dermatology**
Keynote Speaker Cecilia Svedman

15:30 - 16:00 **Session 2 - Health Effects**

Contact dermatitis caused by skin chemical sensitizing: the role of gender	Lidia Caporossi
An Overview of Occupational Beryllium Disease and the Potential Role of Skin Contact in Triggering Sensitization	Rhiannon Walker

16:00 - 16:30 Refreshments & Exhibition

16:00 - 17:15 **Session 3 - Exposure Control**

Safe-by-Design Exposure Controls Beyond PPE: Experimental Evaluation and Database Development for Packaging, Formulations and Systems	Bettina Büttner
Improving understanding through interactive training and skin condition measurement to improve skin issues in a lab-based research workplace	Helen Taylor
Lead ingestion is very important and should not be overlooked as part of a health risk assessment and biological monitoring	Kevin Hedges

17:15 - 18:00 **Session 4 - Poster Flash**

18:00 - 19:00 Drinks Reception, Exhibition & Posters



Conference Programme

Tuesday 15 September 2026

08:30 - 09:15 Registration, Refreshments & Exhibition

09:15 - 10:00 **Session 5 - Exposure Assessment**
Keynote Speaker Melanie Gorman Ng

10:00 - 11:00 **Session 6 - Exposure Assessment**

Dermal exposure to benzene, toluene, ethylbenzene and xylene experienced by petrol-filling attendants	Suranie Horn
Skin exposure to polycyclic aromatic hydrocarbons and oxygenated derivatives in asphalt workers	Lina Hagvall
Assessment of Heavy Metal Exposure Using Dermal Measurements (Hand Wipes) of E-Waste Dismantling and Non-E-Waste Workers	Kannalinya Boontee
Skin Hazard Assessment Through Workplace Visits in the Norwegian Oil Drilling Waste Recycling Industry	Lars Henrik Bjørneboe

11:00 - 11:30 Refreshments and Exhibition

11:30 - 12:30 **Session 7 - Lab Exposure Assessment**

Comparison of Hydration Index, Percent Hydration, and Trans-Epidermal Water Loss Measurements for Dermal Exposure and Risk Assessment	Jennifer Sahmel
Dermal Transfer Characteristics of Metals	Tyler Ferracini
Generating an evidence-base and specifications to implement the Firefighters Full Capability (FFC) for Personal Protection Equipment (PPE)	Rustam Aryoobi
Assessment of Fireground Toxic Chemicals Transfer through Firefighters' Protective Clothing	Hamed Rasouli Sadabad

12:30 - 13:30 Lunch break and Exhibition

13:30 - 14:15 **Session 8 - Permeation**
Keynote Speaker Bryon Ormond

14:15 - 15:30 **Session 9 - Permeation**
Dermal penetration of polyethylene terephthalate nanoparticles: an in vitro study on human skin Frédéric Cosnier

Comparing Dermal Absorption Rates of Perfluorooctanoic Acid (PFOA) Across In Vivo and In Vitro Studies

Andrew Hall

Pharmacokinetics study of PFAS skin exposure in a porcine model upon single dosing

Anita Amir Labonno

In vitro Skin Absorption of Polycyclic Aromatic Hydrocarbons using a Flow-Through Diffusion System

Isabel Fricke

15:30 - 16:00

Refreshments and Exhibition

16:00 - 17:30

Workshop - Permeation
Francesca Larese Filon

Workshop - Interactive training tools
Helen Taylor

19:00

Pre-Dinner Drinks & Conference Dinner



Conference Programme

Wednesday 16 September 2026

09:00 - 09:30 Registration, Refreshments & Exhibition

09:30 - 10:45

Session 10 - In Vitro

Two-phase decontamination strategies after hydrofluoric acid dermal exposure: Evidence from a viable human skin model

Suvarna Mini Vijayan

Assessment of dermal exposure to perfluorooctanoic acid (PFOA) and benzo[a]pyrene (BaP) impregnated sub-particles

Devanya Mahalingam

Development of a vehicle-free skin exposure system for assessing the percutaneous absorption of organic solid substances

Fabrice Marquet

Maintaining Barriers to Break Barriers in Skin Testing

Ros Hannen

Screening dermal hazard of nano-enabled products (NEPs) used within the paint and 3D printing sectors: a safe-by-design case study.

Matthew Boyles

10:45 - 11:15 Refreshments and Exhibition

11:15 - 12:15

Session 11 - Modelling

Quantitative assessment of skin exposure at the workplace – a proposal for a tiered approach to OSH practice

Henri Heussen

Integrating Epidermal Turnover and Keratin Binding to Improve in Silico Assessment of Dermal Absorption

Caitlin Fahrenbruch

AI-driven QSAR model for predicting human skin permeability to support occupational safety assessments.

Lisa Chedik

Dermal risk assessment methods and exposure controls for glyphosate application

Georgi Popov

12:15 - 13:00

Session 12 - AI Keynote Speaker

Luke Savory

13:00 - 14:00 Lunch and Exhibition

14:00 - 14:45

Session 13 - Standards

ASTM's New Standard Practice for Surface Sampling of Non-Volatile and Semi-Volatile Organic Chemicals

Steven Verpaele

A Decision Framework for Dermal Risk Assessment: Advancing U.S. Regulatory Practice and Supporting Global Harmonization

Heather Lynch

Navigating OECD 428 Dermal Absorption Studies: Practical Challenges and Solutions for TSCA EPA Submissions

Chloe Rutherford

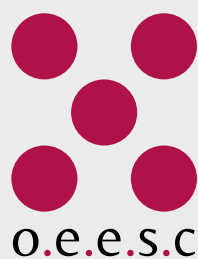
14:45 - 15:30

Session 14 - UV protection assessment methods
Keynote Speaker

Uli Osterwalder

15:30 - 15:45

Prize giving and closing remarks



Poster Presenters

Simone Schmitz-Spanke Untargeted urinary metabolomics in firefighters: A pilot study on dermal PAH exposure and systemic Response

Simone Schmitz-Spanke Synergistic metabolic sabotage: Benzo[a]pyrene and UV co-exposure disrupts barrier and immune cell homeostasis

Fandita Tonyka Maharani Self-Reported Skin Symptoms among Female Home-based Workers and Batik Sellers in Indonesia

Adrian Tristram A Picture Says Thousands of Words: Harnessing Dermal Exposure Data from Images through Hybrid Deep Learning for Enhanced Safety Assessment

Steven Verpaale A New Standard Framework for Dermal Exposure Assessment

Sonja Kilo An assessment of three different methods for evaluating skin functionality.

Jennifer Sahmel Potential Influence of Skin Hydration and Transepidermal Water Loss on Dermal Transfer and Loading

Christopher Dalton An Ex Vivo NAMs Skin Model for Damage Assessment: LDH and Histological Approach

Victoria Pack An Ex Vivo NAMs Skin Model for Damage Assessment: Biomarker and Viability analysis

Diana Poli Occupational Allergic Contact Dermatitis Caused by Chemical Sensitizers in Italy: Evidence from INAIL Occupational Disease Registrations (2020–2024)

Helen Taylor A workforce guide to using gloves through the use of Manga

Daniel Vetter Introducing DermExpoDB: A Collaborative Online Database Software Application for Occupational Dermal Exposure Data

Jennifer Sahmel Toward a Tiered, Fit-for-Purpose Framework for Occupational Dermal Exposure Assessment in Chemical Management

Rachael Rice Characterizing Skin Exposure to LIB Fire Metals and PAHs in Firefighter Protective Clothing

Jose Hernán Alfonso Towards New Approach Methodologies (NAMs) for Mixture Risk Assessment of Skin Irritation and Sensitization: Preliminary Findings from HaCaT Cells