

Exposure characterization for international programs in global burden of disease estimation and cancer hazard identification: needs and opportunities for collaboration

The objective of this session is to highlight data gaps and collaboration opportunities related to exposure characterization in major international programs on cancer hazard identification and burden-of-disease assessment. Dr. Michael Brauer will present an overview of the approach used in the Global Burden of Disease study to assess burden arising from various risk factors, with an emphasis on the way exposure information is used. This theme will be explored further by Professor Tim Driscoll who will use occupational risk factors as the exemplar and focus on the challenges and opportunities for improving the exposure aspect of estimating the burden of disease arising from occupational exposures. The third talk, by Dr. Mary Schubauer-Berigan (head of the IARC Monographs on cancer hazard identification), will outline opportunities for collaboration by exposure scientists in the monographs, including identifying exposure experts and data, participating on working groups, and nominating agents for consideration. Dr. Daniel Middleton, lead exposure scientist in the IARC Monographs, will conclude the session with examples of notable data gaps in production, use, and occupational exposures for several recent monographs.

Global Burden of Disease: Occupational risk factors

Michael Brauer (Institute for Health Metrics and Evaluation, USA)

Improving information on occupational exposure for use in Global Burden of Disease estimates

Tim Driscoll (The University of Sydney, Australia)

Collaboration opportunities for exposure scientists in the Monographs programme of cancer hazard identification at the International Agency for Research on Cancer | Mary Schubauer-Berigan (International Agency for Research on Cancer, France)

Exposure characterization data gaps in IARC Monographs cancer hazard evaluations

Daniel Middleton (International Agency for Research on Cancer, France)

MODERATOR



Thomas Fuller

Dr. Thomas P. Fuller is a Certified Industrial Hygienist and Certified Safety Professional with over 39 years of experience in occupational hygiene, radiation protection, emergency planning, and infection control. He has experience in healthcare, nuclear power plants, labor organizations, biopharmaceutical labs, manufacturing, and universities. He is Professor of Occupational Safety and Health at Illinois State University. He is also the current President of the International Occupational Hygiene Association (IOHA) and Chair of the IOHA Education Committee.

SPEAKERS

Michael Brauer



Tim Driscoll

Tim Driscoll is an occupational epidemiologist and a specialist in occupational and environmental medicine and public health medicine. He is a Professor in epidemiology and occupational medicine in the Sydney School of Public Health at the University of Sydney, Australia, where he runs the general epidemiology teaching and is Director of the Master of Public Health. Tim's main areas of interest are the burden of occupational disease and injury; occupational cancer and exposure to occupational carcinogens, particularly asbestos; occupational fatal injury; increasing the practical application and influence of epidemiological principles and findings; and improving the communication of epidemiological principles and findings to the general public. He leads the occupational risk factors expert working group in the Global Burden of Disease study.



Mary Schubauer-Berigan

Head of IARC Monographs Programme and Senior Epidemiologist

Daniel Middleton