



**VOLUME 132** 

This publication represents the views and expert opinions of an IARC Working Group on the Identification of Carcinogenic Hazards to Humans, which met in Lyon, France, 7–14 June 2022

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IARC MONOGRAPHS
ON THE IDENTIFICATION
OF CARCINOGENIC HAZARDS
TO HUMANS

## LIST OF PARTICIPANTS

#### Members 1

#### Olorunfemi Adetona [attended remotely]

The Ohio State University Columbus, OH USA

#### Laura Beane Freeman

Occupational and Environmental
Epidemiology Branch
Division of Cancer Epidemiology and
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National Cancer Institute
Bethesda, MD
USA

#### Alberto Caban-Martinez

University of Miami Leonard M. Miller School of Medicine Miami, FL USA

#### Nicola Cherry [withdrew]

Division of Preventive Medicine University of Alberta Edmonton, AL Canada

#### Robert D. Daniels

World Trade Center Health Program Division National Institute for Occupational Safety and Health Cincinnati, OH USA

## David DeMarini (Subgroup Chair, Mechanistic Evidence)

United States Environmental Protection Agency (Emeritus) Chapel Hill, NC USA

<sup>&</sup>lt;sup>1</sup> Working Group Members and Invited Specialists serve in their individual capacities as scientists and not as representatives of their government or any organization with which they are affiliated. Affiliations are provided for identification purposes only. Invited Specialists do not serve as Meeting Chair or Subgroup Chair, draft text that pertains to the description or interpretation of cancer data, or participate in the evaluations. Each participant was asked to declare potentially relevant research, employment, and financial interests that are current or that have occurred during the past 4 years. Minimal interests are not disclosed here, and include stock valued at no more than US\$ 1000 overall, grants that provide no more than 5% of the research budget of the expert's organization and that do not support the expert's research or position, and consulting or speaking on matters not before a court or government agency that does not exceed 2% of total professional time or compensation. All other non-publicly funded grants that support the expert's research or position and all consulting or speaking on behalf of an interested party on matters before a court or government agency are disclosed as potentially significant conflicts of interests.

#### Paul Demers (Meeting Chair)

Occupational Cancer Research Centre Ontario Health Toronto, ON Canada

#### Tim Driscoll

Sydney School of Public Health University of Sydney Sydney, NSW Australia

# Kenneth Fent (Subgroup Co-Chair, Exposure Characterization) [attended remotely]

Division of Field Studies and Engineering National Institute for Occupational Safety and Health Cincinnati, OH USA

# Deborah Glass (Subgroup Co-Chair, Exposure Characterization)

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## Jaclyn Goodrich

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#### Judith Graber<sup>2</sup>

Department of Biostatistics and Epidemiology Rutgers School of Public Health Piscataway, NJ USA

#### Maria Helena Vieira Pereira Guerra Andersen

National Research Centre for the Working Environment Copenhagen Denmark

## Johnni Hansen (Subgroup Chair, Cancer in Humans)

Danish Cancer Society Research Center Copenhagen Denmark

### Tracy Kirkham

Occupational Cancer Research Centre Ontario Health Toronto, ON Canada

## Kristina Kjaerheim

Cancer Registry of Norway Oslo Norway

#### David Kriebel

Department of Public Health University of Massachusetts Lowell Lowell, MA USA

<sup>&</sup>lt;sup>2</sup> Dr Graber reported having received personal consultancy fees from the Lung Ambition Alliance (LAA), which does not represent a potential conflict of interest for the present activity because the LAA and its founders do not have a competing interest in the topic of the meeting.

## Alexandra Long

Healthy Environments and Consumer Safety

Branch Health Canada

Government of Canada

Toronto, ON Canada

## Luana Main [attended remotely]

Institute for Physical Activity and Nutrition Deakin University

Hampton, VA

Australia

#### Marta Oliveira

**REQUIMTE-LAQV** 

Porto School of Engineering (ISEP)

Polytechnic of Porto

Porto Portugal

#### Susan Peters

University of Utrecht

Utrecht

The Netherlands

#### Lauren Teras

American Cancer Society

Kennesaw, GA

**USA** 

## Emily Watkins [attended remotely]

School of Life and Health Sciences

University of Roehampton

London

UK

## **Invited Specialists**

#### Jefferey L. Burgess 3

Mel and Enid Zuckerman College of Public

Health

University of Arizona

Tucson, AZ

USA

#### Anna Stec 4

Centre for Fire and Hazards Sciences

University of Central Lancashire

Preston

UK

#### Paul White 5

Environmental Health Science and Research

Bureau

Health Canada

Ottawa, ON

Canada

## Representatives

## Amy Berrington de González

Division of Cancer Epidemiology and

Genetics

National Cancer Institute

Rockville, MD

USA

<sup>&</sup>lt;sup>3</sup> Dr Burgess reported receiving recent funding from the International Association of Fire Fighters.

<sup>&</sup>lt;sup>4</sup>Dr Stec reported that her research unit received research funding from the Fire Brigades Union.

<sup>&</sup>lt;sup>5</sup>Dr White reported receiving past funding from the International Association of Fire Fighters.

#### Kathleen Navarro

Western States Division
National Institute for Occupational Safety
and Health
Centers for Disease Control and Prevention
Denver, CO
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#### Observers 6

#### Christine Barul

National Institute of Health and Medical Research (INSERM) Pointe-à-Pitre Guadeloupe France

#### Alex Forrest 7

United Fire Fighters of Winnipeg Winnipeg, MB Canada

#### **IARC Secretariat**

Lamia Benbrahim-Tallaa (Rapporteur, Mechanistic Evidence) Pauline Boucheron Nathan DeBono (Co-Responsible Officer, Rapporteur, Cancer in Humans) Aline de Conti (*Rapporteur, Mechanistic Evidence*)

Fatiha El Ghissassi (Rapporteur, Mechanistic Evidence)

Yann Grosse (Rapporteur, Mechanistic Evidence)

Bayan Hosseini

Joanne Kim

Federica Madia (*Rapporteur, Mechanistic Evidence*)

Heidi Mattock (Scientific Editor)

Mary Schubauer-Berigan (Responsible Officer and Programme Head)

Leslie Stayner (Rapporteur, Cancer in Humans)

Eero Suonio (*Rapporteur, Exposure Characterization*)

Susana Viegas (*Rapporteur, Exposure Characterization*)

Roland Wedekind (*Rapporteur*, *Exposure Characterization*)

Hana Zahed

#### **Administrative Assistance**

Marieke Dusenberg Sandrine Ruiz Jennifer Nicholson

<sup>&</sup>lt;sup>6</sup>Each Observer agreed to respect the Guidelines for Observers at *IARC Monographs* meetings. Observers did not serve as Meeting Chair or Subgroup Chair, draft any part of a monograph, or participate in the evaluations. They also agreed not to contact participants before the meeting, not to lobby them at any time, not to send them written materials, and not to offer them meals or other favours. IARC asked and reminded Working Group Members to report any contact or attempt to influence that they may have encountered, either before or during the meeting.

<sup>&</sup>lt;sup>7</sup> Mr Forrest reported being an elected representative of, and receiving payments of less than US\$ 5000 from, the International Association of Fire Fighters; providing expert opinion representing firefighters diagnosed with Occupational Cancer for Workers Compensation Purposes; and having received support for travel from United Fire Fighters of Winnipeg. He noted that the IARC classification may benefit his professional colleagues.

## **Production Team**

Niree Kraushaar Solène Quennehen

## **Pre- and Post-Meeting Assistance**

Renata Cervantes Raquel Fonseca Kathryn Guyton Misty Hein Karen Müller (Managing Editor)