



**VOLUME 114** 

This publication represents the views and expert opinions of an IARC Working Group on the Evaluation of Carcinogenic Risks to Humans, which met in Lyon, 6–13 October 2015

LYON, FRANCE - 2018

IARC MONOGRAPHS
ON THE EVALUATION
OF CARCINOGENIC RISKS
TO HUMANS

# LIST OF PARTICIPANTS

## Members 1

# Frederick A. Beland (Subgroup Chair, Experimental Animals)

National Center for Toxicological Research Jefferson, AR USA

## Giovanna Caderni

Section of Pharmacology and Toxicology University of Florence Florence Italy

## Marie Cantwell

Centre for Public Health Queen's University Belfast Belfast Northern Ireland

# **Eunyoung Cho**

The Warren Alpert Medical School Brown University Providence, RI USA

# Denis Corpet [retired] (Subgroup Chair, Mechanisms)

Ecole nationale vétérinaire de Toulouse French National Institute for Agricultural Research (INRA) Toulouse France

<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 disclose pertinent research, employment, and financial interests. Current financial interests and research and employment interests during the past 4 years or anticipated in the future are identified here. Minor pertinent interests are not listed 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 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 listed as significant pertinent interests.

## Stefaan De Smet

Laboratory for Animal Nutrition and Animal Product Quality Ghent University Ghent

Ghent Belgium

## David M. Klurfeld

Agricultural Research Service United States Department of Agriculture Beltsville, MD USA

## Loic Le Marchand

Cancer Epidemiology Program University of Hawaii Cancer Center Honolulu, HI USA

#### Maïa Meurillon

French National Institute for Agricultural Research (INRA) Saint-Genès-Champanelle France

# Teresa Norat (Subgroup Co-Chair, Cancer in Humans)

School of Public Health Imperial College London London England

## Sabine Rohrmann

Epidemiology, Biostatistics and Prevention Institute (EBPI) University of Zurich Zurich Switzerland

## Shizuka Sasazuki

Research Center for Cancer Prevention and Screening National Cancer Center Tokyo Japan

## Rashmi Sinha

Division of Cancer Epidemiology & Genetics National Cancer Institute Bethesda, MD USA

#### Mariana C. Stern

Keck School of Medicine University of Southern California Los Angeles, CA USA

## Bernard W. Stewart (Overall Chair)

Cancer Control Program
South Eastern Sydney Public Health Unit
and Faculty of Medicine
University of New South Wales
Sydney NSW
Australia

# Robert Turesky (Subgroup Chair, Exposure)

Department of Medicinal Chemistry University of Minnesota Minneapolis, MN USA

# Philippe Verger

Department of Food Safety and Zoonoses World Health Organization Geneva Switzerland

# Paolo Vineis (Subgroup Co-Chair, Cancer in Humans)

Department of Environmental Epidemiology Imperial College London London

England

# Keiji Wakabayashi

Graduate Division of Nutritional and Environmental Sciences University of Shizuoka Shizuoka Japan

## Matty P. Weijenberg

School for Oncology and Developmental Biology (GROW) Maastricht University Maastricht The Netherlands

# Alicja Wolk

Institute of Environmental Medicine Karolinska Institute Stockholm Sweden

## Kana Wu

Department of Nutrition Harvard School of Public Health Boston, MA USA

# **Invited Specialists**

None

# Representatives

## Anna Christodoulidou<sup>2</sup>

European Food Safety Authority (EFSA) Parma Italy

# Irini Margaritis<sup>3</sup>

Risk Assessment Department
French Agency for Food, Environment and
Occupational Health & Safety (ANSES)
Maisons-Alfort
France

## Harold Seifried <sup>4</sup>

Division of Cancer Prevention National Cancer Institute National Institutes of Health Rockville, MD USA

## Yukari Totsuka 5

Division of Carcinogenesis & Cancer Prevention National Cancer Center Research Institute Tokyo Japan

<sup>&</sup>lt;sup>2</sup> Anna Christodoulidou attended as a Representative of the European Food Safety Authority (EFSA), Italy.

<sup>&</sup>lt;sup>3</sup> Irini Margaritis attended as a Representative of the French Agency for Food, Environmental and Occupational Health & Safety (ANSES).

<sup>&</sup>lt;sup>4</sup> Harold Seifried attended as a Representative of the National Cancer Institute, USA.

<sup>&</sup>lt;sup>5</sup> Yukari Totsuka attended as a Representative of the National Cancer Center Research Institute, Japan.

## Observers 6

#### Dominik D. Alexander 7

EpidStat Institute Evergreen, CO USA

## Betsy L. Booren 8

Scientific Affairs North American Meat Institute Washingon, DC USA

## Julien Carretier 9

Unité Cancer et Environnement Centre Léon Bérard Lyon France

## Jason J. Hlywka 10

Toxicology Kraft Heinz Company Glenview, IL USA

## Daniel A. Kovich 11

National Pork Producers Council Washington, DC USA

## Hector J. Lazaneo 12

Montevideo Uruguay

## Marjorie McCullough 13

Epidemiology Research Program American Cancer Society Atlanta, GA USA

<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> Dominik Alexander attended as an Observer for the EpidStat Institute, USA. He is the Principal Epidemiologist of the EpidStat Institute, USA; he receives significant financial support from Beef Checkoff for research, consulting, travel and speaking engagements.

<sup>&</sup>lt;sup>8</sup> Betsy Booren attended as an Observer for the North American Meat Institute, USA. She is employed as Vice President of Scientific Affairs by the North American Meat Institute, and as President by the North American Meat Institute Foundation.

<sup>&</sup>lt;sup>9</sup> Julien Carretier attended as an Observer for the Centre Léon Bérard, France.

<sup>&</sup>lt;sup>10</sup> Jason Hlywka attended as an Observer for Kraft Heinz Company. He is is currently employed by the Kraft Heinz Company. He holds significant retirement investments in Kraft Heinz Company and Cargill Inc.

<sup>&</sup>lt;sup>11</sup> Daniel Kovich attended as an Observer for the National Pork Producers Council, USA. He is Assistant Director of Science and Technology of the National Pork Producers Council.

<sup>&</sup>lt;sup>12</sup> Hector Lazaneo attended as an Observer for the National Meat Institute (INAC), Uruguay, which has the purpose of promoting, ruling, coordinating and monitoring activities concerning production, transformation, trade, storing and transport of meats.

<sup>&</sup>lt;sup>13</sup> Marjorie McCullough attended as an Observer for the American Cancer Society, USA.

## Shalene McNeill 14

Human Nutrition Research National Cattlemen's Beef Association Centennial, CO USA

## **IARC/WHO Secretariat**

Lamia Benbrahim-Tallaa (Rapporteur, *Mechanistic and Other Relevant Data*) Véronique Bouvard (Responsible Officer, Rapporteur, Exposure Data) Fatiha El Ghissassi (Rapporteur, Mechanistic and Other Relevant Data) Carolina Espina Eleonora Feletto James Gomes (Visiting Scientist) Yann Grosse (Rapporteur, Cancer in Experimental Animals) Neela Guha (Rapporteur, Cancer in Humans) Kathryn Guyton (Rapporteur, Mechanistic and Other Relevant Data) Inge Huybrechts Dana Loomis (Rapporteur, Cancer in Humans) Heidi Mattock (Scientific Editor) Amy Mullee Isabelle Romieu Carolina Santamaria-Ulloa Magdalena Stepien Kurt Straif (Head of Programme)

## **Administrative Assistance**

Nandini Deleu Marieke Dusenberg Sandrine Egraz Michel Javin Helene Lorenzen-Augros Magali Maillol Andreea Spanu

## **Production Team**

Elisabeth Elbers Fiona Gould Solène Quennehen

# **Post-meeting Assistance**

Stephanie Minelga (Editor)

# **Post-meeting Scientific Assistance**

Eero Suonio

<sup>&</sup>lt;sup>14</sup> Shalene McNeill attended as an Observer for Beef Checkoff, USA.