

POLYCHLORINATED BIPHENYLS AND POLYBROMINATED BIPHENYLS

VOLUME 107

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, 12–19 February 2013

Lyon, France - 2016

IARC MONOGRAPHS
ON THE EVALUATION
OF CARCINOGENIC RISKS
TO HUMANS

LIST OF PARTICIPANTS

Members¹

Antonio Agudo

Cancer Epidemiology Research Program Catalan Institute of Oncology Barcelona Spain

Kristan J. Aronson

Department of Community Health and Epidemiology Queen's University Kingston, Ontario Canada

Eva Cecilie Bonefeld-Jørgensen

Centre of Arctic Health, Cellular and Molecular Toxicology University of Aarhus Roskilde Denmark

Pierluigi Cocco (Subgroup Chair, Cancer in Humans)

Department of Public Health University of Cagliari Monserrato Italy

Vincent Cogliano (Overall Chair)

Integrated Risk Information System (IRIS) US Environmental Protection Agency Washington DC USA

Jean-Pierre Cravedi

French National Institute for Agricultural Research Toulouse France

¹ 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.

Harald Esch

Institute of Pharmacy and Food Chemistry University of Würzburg Bavaria Germany

Heidelore Fiedler (Subgroup Chair, Exposure Data)

United Nations Environment Programme Geneve Switzerland

Howard Perry Glauert

Graduate Center for Nutritional Sciences University of Kentucky Lexington, KY USA

Yue-Liang Leon Guo

Department of Environmental and Occupational Medicine Taiwan University Taiwan China

Ronald A. Herbert (Subgroup Chair, Cancer in Experimental Animals)

Pathology Support Group National Institute of Environmental Health Sciences Research Triangle Park, NC USA

Nancy B. Hopf

Institute for Work and Health Epalinges, Lausanne Switzerland

Margaret O. James

Department of Medicinal Chemistry University of Florida Gainesville, FL USA

Niklas Johansson

Institute of Environmental Medicine Karolinska Institute Stockholm Sweden

Bruno Le Bizec

Laboratory for the Study of Residues and Contaminants in Food (LABERCA) Nantes Atlantic National College of Veterinary Medicine, Food Science and Engineering (ONIRIS) Nantes France

Gabriele Ludewig

Department of Occupational and Environmental Health University of Iowa Iowa City, IA USA

Miroslav Machala

Veterinary Research Institute Brno

Czech Republic

Franco Merletti

Cancer Epidemiology Unit and Center for Cancer Prevention University of Turin Turin Italy

Jean-François Narbonne

Laboratory of Physico- and Toxico- Chemistry of the Environment University of Bordeaux Talence France

Larry W. Robertson (Subgroup Chair, Mechanistic and Other Relevant Data)

Department of Occupational and Environmental Health University of Iowa Iowa City, IA USA

Avima Ruder

Centers for Disease Control and Prevention National Institute for Occupational Safety and Health Cincinnati, OH USA

Helen Tryphonas

C.P.T. Consultants in Pathology and Toxicology Ottawa, Ontario Canada

Roel Vermeulen [unable to attend]

Institute for Risk Assessment Sciences University of Utrecht Utrecht The Netherlands

Katrin Vorkamp

Department of Environmental Science University of Aarhus Roskilde Denmark

Nigel Walker

National Toxicology Program
National Institute of Environmental Health
Sciences
Research Triangle Park, NC
USA

Invited specialist

David O. Carpenter²

Institute for Health and the Environment University of Albany Rensselaer, NY USA

 $^{^{\}rm 2}$ David Carpenter has served as an expert witness in PCB-related legal cases.

Representatives

Julien Jean [unable to attend]

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

Ron Johnson

Division of Cancer Biology US National Cancer Institute Rockville, MD USA

Bernard W. Stewart³

Cancer Control Program South Eastern Sydney Public Health Unit Randwick Australia

Dadan Wardhana Hasanuddin [unable to attend]

United Nations Environment Programme Geneva Switzerland

Observers⁴

Erik A. Carlson 5

General Electric Company Niskayuna, NY USA

Nicole Falette

Department of Cancer and the Environment Léon Bérard Centre Lyon France

John D. Schell 6

Center for Toxicology and Mechanistic Biology Exponent Houston, TX USA

³ Bernard W. Stewart attended as a Representative of Cancer Australia.

⁴ 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.

⁵ Erik Carlson is employed by General Electric Company as a toxicologist and works on PCB-related issues. He has provided expert opinion and testimony in the context of regulatory and legislative process and he holds stocks and bonds from stakeholders.

⁶ John Schell has consulted for several companies on PCB-related issues and provided expert opinions on regulatory issues related to PCBs.

IARC Secretariat

Robert Baan, Senior Visiting Scientist Lamia Benbrahim-Tallaa (Rapporteur, *Mechanisic and Other Relevant Data)* Véronique Bouvard (Rapporteur, Mechanisic and Other Relevant Data) Rafael Carel, Visiting Scientist Fatiha El Ghissassi (Rapporteur, Mechanisic and Other Relevant Data) Yann Grosse (Rapporteur, Cancer in Experimental Animals) Neela Guha (Rapporteur, Cancer in Humans) Béatrice Lauby-Secretan (Responsible Officer) Dana Loomis (Rapporteur, Cancer in Humans) Heidi Mattock (Scientific Editor) Sabina Rinaldi Augustin Scalbert Leah Schinasi Kurt Straif (Head of Programme)

Administrative Assistance

Sandrine Egraz
Brigitte Kajo
Michel Javin
Annick Leroux
Helene Lorenzen-Augros
Karine Racinoux

Production Team

Elisabeth Elbers Solène Quennehen Dorothy Russell