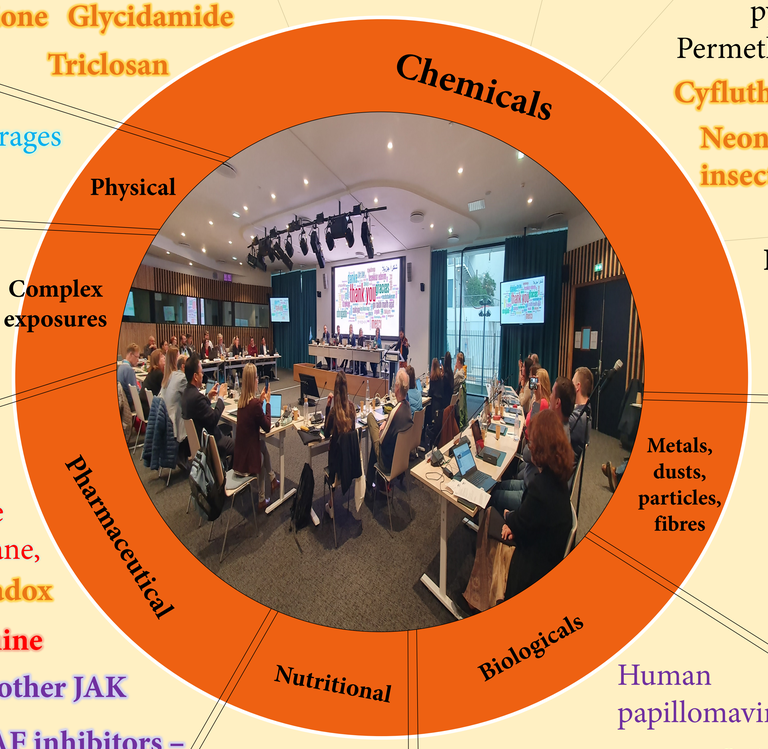
Priorities recommended for *IARC Monographs* evaluation in 2025–2029

Mary Schubauer-Berigan, on behalf of the *IARC Monographs*, poster design by Solène Quennehen



Ingested nitrate
Ethylene oxide*
Formaldehyde*
Tris(chloropropyl)phosphate
Chlorinated paraffins
PFHxS
HFPO dimer acid
Pentabromodiphenyl ethers
Bisphenol S and F
Bisphenol A
Diisononyl phthalate
Dibutyl phthalate
Butyl benzyl phthalate
Sulfolane
Xylenes
Carbon tetrachloride*
Tetrachloroethylene*
Isoprene
Methanol
Metyltetraprole
Biphenyl
Proquinazid
Bifenthrin
Carbaryl
Malathion
Pendimethalin
Ethylenedithiocarbamates
Fonofos*
Pyrethrins and pyrethroids
Atrazine and other triazine pesticides
Permethrin
Chlorpyrifos*
Cypermethrin
Cyfluthrin
Alachlor
Chlordecone*
Vinclozolin
Neonicotinoid insecticides
Tebuconazole
Mancozeb
Terbufos*
Polyhexamethylene guanidine*
Acetaldehyde
Parabens
Acrylamide
Fluoranthene*
2,4-Dihydroxybenzophenone
Piperonyl butoxide
Bromate compounds
Cumyl hydroperoxide
Butyraldehyde
Ozone
Carbon disulfide
2,3-Butanedione
Glycidamide
Triclosan
Neonatal phototherapy
Artificial light at night (ALAN)*
Non-ionizing radiation (radiofrequency)*
Radon-222 and its decay products*
Very hot beverages and food
Sleep disruption
Obesity
E-waste work
Electronic nicotine delivery systems (ENDS)
Disinfection byproducts in water
Sedentary behaviour
Metalworking fluids
Tobacco smoking and secondhand smoke*
Textile manufacturing industry work
Cannabis smoking*
Hair straightening products
Hair colouring products (personal use of)
4-Nitrotoluene
p-Phenylenediamine
5-Nitro-*o*-toluidine
3,3′-Dimethylbenzidine
3,3′-Dimethoxybenzidine
Congo red
Tattoos and permanent makeup
Multiwalled carbon nanotubes
Coal dust
Metallic nickel
Nitrogen dioxide*
Outdoor air pollution*
Selenium and selenium compounds
Anatase-type nano-TiO_2
Outdoor biomass combustion
Taconite
Asbestos*
Indoor biomass combustion
Inorganic lead compounds
Silica dust*
Ultrafine particles*
Human papillomavirus β
Opisthorchis felineus
Patulin
Schistosoma mansoni
Schistosoma japonicum
Fusobacterium nucleatum
Safrole
Human cytomegalovirus (HCMV)
Merkel cell polyomavirus*
Hepatitis D virus
α-Pinene
Salmonella typhi
Zearalenone*
Black cohosh extract(s)
Aflatoxins*
Fumonisin B1
Pyrrolizidine alkaloids
*Helicobacter pylori**
Toxoplasma gondii
Anaesthetics, volatile (isoflurane, sevoflurane, desflurane)
Methotrexate
Carbadox
Tetracycline
Epirubicin
Methamphetamine
Doxorubicin
Daunorubicin
Tofacitinib and other JAK inhibitors
Clomiphene citrate*
Anthracyclines as mechanistic class
BRAF inhibitors – Dabrafenib, Encorafenib, Vemurafenib
Progestogen-only contraceptives*
Paracetamol (acetaminophen)
Estragole
Assisted reproductive techniques (ART)*
Platinum-based chemotherapies
Anti-thymocyte globulin
Textured implants
Ultra-processed food consumption
GLP-1 analogues*
Hormone replacement therapy*
Sugar-sweetened beverage consumption*

Streams of evidence

Red Mechanistic evidence
Blue Human cancer
Yellow Cancer bioassay
Green Bioassay + human cancer
Orange Mechanistic + bioassay
Purple Mechanistic + human cancer
Black Mechanistic + human + bioassay

Agents not previously evaluated by IARC are in **bold type**

High priority agents (< 2.5 or < 5 years) are placed within the inner yellow ring; Medium priority agents are placed outside the yellow ring

[Agent]*: High priority (< 5 years)

Berrington de González et al. (2024). *Lancet Oncol.* Published online 12 April 2024

International Agency for Research on Cancer

World Health Organization

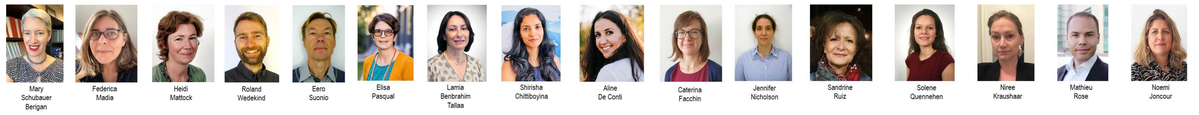
monographs.iarc.who.int

ACKNOWLEDGEMENTS

Financial support for the *Monographs* was received from:

- National Cancer Institute, USA (Cooperative Agreement U01 CA33193)
- US NIEHS/National Toxicology Program
- European Commission (DG for Employment, Social Affairs, and Inclusion; and EaSI (http://ec.europa.eu/social/easi)

Staff of the *IARC Monographs on the Identification of Carcinogenic Hazards to Humans*



IARC (2024). Report of the Advisory Group to Recommend Priorities for the *IARC Monographs* during 2025–2029. IARC Monographs on the Identification of Carcinogenic Hazards to Humans. [in preparation]