

Program Online Workshop

Advancing the science on environment, climate and cancer: challenges and future research

Monday 30-Tuesday 31 October 2023 (2pm-7pm CET/9am-2pm EDT)

<https://www.isglobal.org/en/-/severo-choa-workshop-on-advancing-the-science-on-environment-climate-and-cancer>

The event is open and free of charge, but **registration is required**. The workshop will include invited talks by international experts **ample time for discussion and synthesis**, and is also linked to a **special Satellite Session on research by early career scientists** on 27 October, organised by **ISEE's CAPE committee** (Capacity Building and Education Committee)

Workshop Organizers

- Manolis Kogevinas, ISGlobal, Barcelona, Spain
- Nicole Deziel, Yale University School of Public Health, Connecticut, United States
- Rena Jones, National Cancer Institute, Maryland, United States
- Robert Barouki, Université Paris Cité, Inserm, Paris, France
- Mary Schubauer-Berigan, International Agency for Research on Cancer, Lyon, France

Talks are 15 minutes + 5 minutes discussion

Total duration per day 5 hours

Note: Europe will switch to winter savings time on October 28, so we will have 5 hours difference between Central European Time and Eastern Daily Time (US)

Day 1. 30 October 2023

Welcome (2pm-2:05pm CET/ 9am-9:05am EDT)

Introductory talk (2:05pm-2:25pm CET/ 9:05am-9:25am EDT)

1. Mary Schubauer-Berigan, International Agency for Research on Cancer, Lyon, France. *State of the evidence on environmental exposures and cancer. The IARC Monographs Program*

Environmental Exposures and Cancer (2:25pm-3:45pm CET/ 9:25-10:45am EDT)

2. Benedicte Jacquemin, INSERM, Rennes, France. *Global air pollution and cancer*
3. Hari Iyer, Assist Prof Rutgers, State Univ New Jersey, NJ, USA. *Green spaces and cancer: A summary of the evidence and potential mechanisms*
4. Rena Jones, National Cancer Institute, Maryland, US. *Artificial light at night and cancer: exposure assessment and mechanisms*
5. Manolis Kogevinas, ISGlobal, Barcelona, Spain. *Infections, the environment and cancer*

Discussion: 30 minutes (3:45pm-4:15pm CET/ 19:45am-11:15am EDT)

Break 15 minutes (4:15pm-4:30pm CET/ 11:15am-11:30am EDT)

Cancers (4:30pm- 5:10pm CET/ 11:30am-12:10pm EDT)

6. Marie-Elise Parent, Institut National de La Recherche Scientifique, Laval, Quebec, Canada. *Why are we not identifying environmental causes of prostate cancer?*
7. Catherine Metayer, University of California Berkeley, CA, US. *Childhood Cancers: epidemiology and mechanistic studies.*

Mechanisms (5:10pm- 6:30pm CET/ 12:10am-1:30pm EDT)

8. Andrea Baccarelli, Columbia University Mailman School of Public Health, NY. *The relevance of the hallmarks of cancer for environmental cancer research*
9. Karin Broberg, Karolinska Institutet, Stockholm. *The use of biomarkers in research on the effects of metals and cancer*
10. Meriem Koual, Université Paris Cité, INSERM, Paris, France. *Pollutant exposure and metastasis progression in breast cancer*
11. Martyn Smith, Berkeley Public Health, CA: *Using the key characteristics of carcinogens, DNA sequencing and NAMs to find the causes of cancer*

Discussion: 30 minutes (6:30pm-7pm CET/ 1:30am-2pm EDT)

Day 2, 31 October 2023

Introductory talks (2pm-2:40pm CET/ 9am-9:40am EDT)

1. Robert Barouki, Université Paris Cité, Inserm, Paris. *The HERA agenda on research priorities on environment, climate and health in the EU- application to cancer research*
2. Alejandro Piris, EU Cancer Mission, VHIO, Barcelona: *Actions on prevention in the EU Cancer Mission*

Climate Change and Cancer (2:40pm-4pm CET /9:40am-11am EDT)

3. Kurt Straif, ISGlobal, Barcelona & Boston College, MA, US: *Climate change and cancer: the link between climate crisis and changing exposure to established carcinogens*
4. Leticia M Nogueira, American Cancer Society, Kennesaw, GA, USA. *Extreme climate events and challenges for cancer care*
5. Camille Lasalle, ISGlobal, Barcelona, Spain. *Sustainable diets and Cancer: the methods and the evidence*
6. Kofi A. Amegah, University of Cape Coast Ghana. *Electronic waste (e-waste), mining of precious minerals and cancer: evidence from Africa*

Discussion: 30 minutes, (4pm-4:30pm CET /11am-11:30am EDT)

Break 20 minutes (4:30pm-4:50pm CET/ 11:30am-11:50am EDT)

Cancers (4:50pm-5:30pm CET /11:50am-12:30pm EDT)

7. Ruthann Rudel, Silent Spring Institute, Newton MA, USA. *Chemical Effects on Breast Development, Function, and Cancer Risk*
8. Cari Kitahara, National Cancer Institute, Maryland, US. *What explains the increasing incidence of thyroid cancer?*

Environmental Exposures and Cancer (5:30pm-6:30pm CET/ 12:30pm-1:30pm EDT)

9. Cristina Villanueva, ISGlobal, Barcelona, Spain. *Water scarcity, global water pollution and cancer*
10. Ana M Mora, University of California, Berkeley, California & Universidad Nacional, Heredia, Costa Rica. *Health Effects of Pesticide Exposure in Latin American*
11. Nicole Deziel, Yale University School of Public health, Connecticut, US. *Industrial point sources: Oil, gas, petrochemical exposures and cancer*

Discussion and closure: 30 minutes, (6:30pm-7pm CET /1:30pm-2pm EDT)

The workshop is co-organised by the HERA consortium, EU <https://www.heraresearcheu.eu/>

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