

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-chocha-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. Manolis Kogevinas, ISGlobal, Barcelona, Spain
(2pm-2:05pm CET/ 9am-9:05am EDT)

Session 1 Chair: Nicole Deziel, Yale University School of Public Health, Connecticut, United States

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/ 9:25am-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/ 10:45am-11:15am EDT)

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

Session 2 Chair: Robert Barouki, Universite Paris Cité, Inserm, Paris, France

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/ 12:10pm-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/ 1:30pm-2pm EDT)

Day 2, 31 October 2023

Session 3 Chair: Mary Schubauer-Berigan, International Agency for Research on Cancer, Lyon, France

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

1. Robert Barouki, Universite 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)

Session 4 Chair: Rena Jones, National Cancer Institute, Maryland, United States

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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