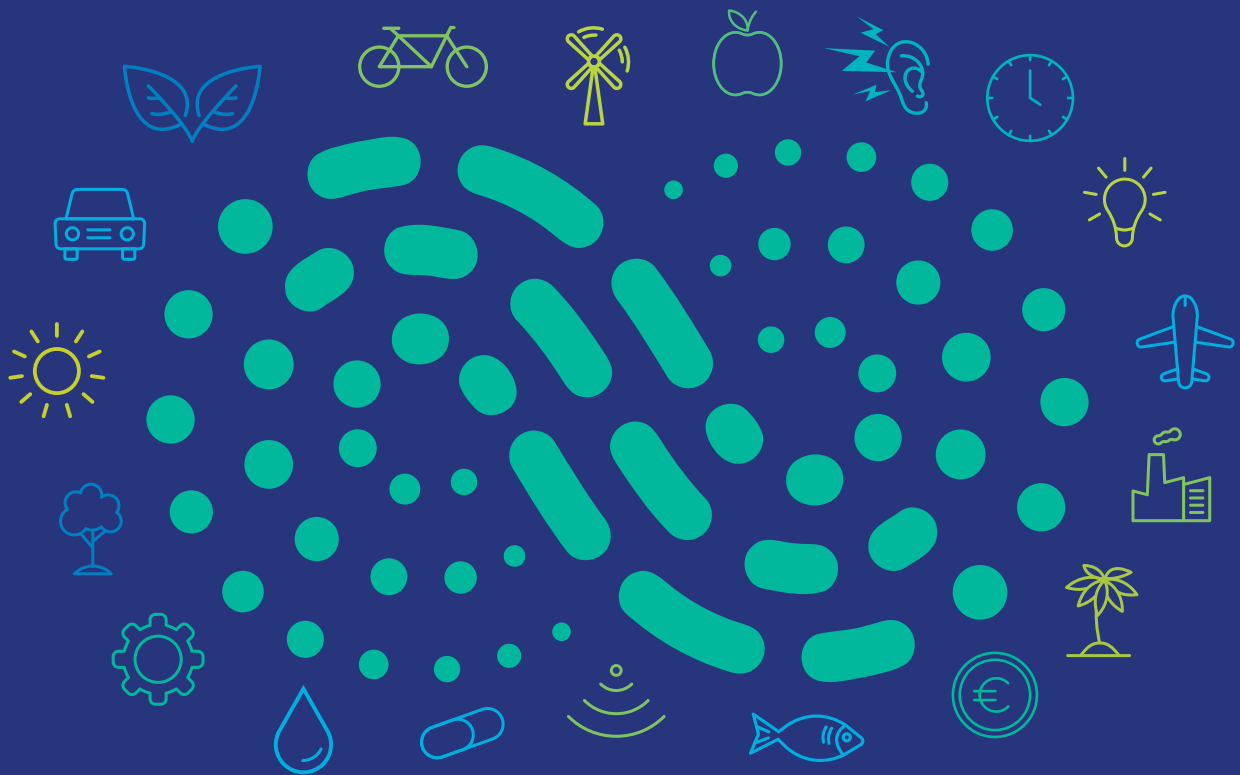


The Global Exposome Summit

27-29 April, 2026. Sitges (Barcelona)
Hotel Melià Sitges



Programme



Sponsored by:



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Programme

Monday, 27 April 2026

Operationalising the Exposome – Policy, Tools, and the Road Ahead

08.15 - 09.00 h	Registration
09.00 - 10.30 h	Opening session - Setting the scene
Auditorium	<ul style="list-style-type: none">• Opening remarks Roel Vermeulen. <i>Utrecht University: Framing the exposome as a bridge between science and policymaking</i>• Keynote address 1 Christophe Clergeau. <i>Member of European Parliament</i>• Keynote address 2 Francesca Racioppi. <i>WHO Regional Office for Europe European Centre for Environment and Health</i>• Keynote address 3 Alex Mulet Indrayanti. <i>Directorate-General for Research and Innovation (DG-RTD), European Commission</i>• Welcoming Reflections Kyle M. Walsh. <i>National Institute of Environmental Health Sciences (NIEHS)</i>• Q & A
10.30 - 11.00 h	Break*
11.00 - 13.00 h	Exposome: Europe's strategic advantage for health, data and competitiveness (panel discussions)
Auditorium	<ul style="list-style-type: none">• Panel 1: Europe's next health flagship: A Mission Exposome for Research, Innovation & Competitiveness Marta Temido. <i>Member of European Parliament.</i> Alex Mulet Indrayanti. <i>DG RTD, European Commission.</i> Wolfgang Fecke. <i>Association of European Cancer Leagues.</i> Martine Vrijheid. <i>Barcelona Institute for Global Health (ISGlobal).</i>• Panel 2: Building the European Exposome Data Space: Connecting Environment, Health and Social data for prevention Tomislav Sokol. <i>Member of European Parliament.</i> Pierre Breton. <i>Green Data for Health, French Agency for Food, Environmental and Occupational Health and Safety (ANSES).</i> Damien Weidert. <i>Macif Santé Prévoyance, Aéma groupe.</i> Jana Klánová. <i>RECETOX, Masaryk University.</i>• Panel 3: Cities, Built Environments & Chemicals: Real-World Exposures and the Case for Coordinated EU Action Marcos Ros Sempere. <i>Member of European Parliament.</i> Christophe Clergeau. <i>Member of European Parliament. Amélie Crepet. French Agency for Food, Environmental and Occupational Health and Safety (ANSES).</i> Génon Jensen. <i>Health and Environment Alliance (HEAL).</i> Roel Vermeulen. <i>Utrecht University.</i>• Panel 4: A European Common Prevention Pillar: coordinating policies across the life course using the exposome Tilly Metz. <i>Member of European Parliament.</i> Joana Lobo Vicente. <i>European Environment Agency.</i> Zorana Jovanovic Andersen. <i>European Respiratory Society.</i> Sylvain Sebert. <i>University of Oulu.</i>
	<ul style="list-style-type: none">• Closing Remarks
13.00 - 14.00 h	Break*
14.00 - 15.30 h	Deployable exposome tools and infrastructures
Auditorium	<ul style="list-style-type: none">• Introduction: The federated ecosystem and the paths towards exposome research and policies in the European Region Sylvain Sebert. <i>University of Oulu.</i>• FAIR exposome maps and tools: State-of-play and case study Justiina Ronkainen. <i>University of Oulu.</i> Hüseyin Küçükali. <i>Utrecht University.</i>• FAIR Exposome Cohort Catalogues: State-of-play and case study Eleanor Hyde. <i>UMCG.</i> Augusto Anguita-Ruiz. <i>ISGlobal.</i>• Call for Action: Empowering the European Exposome Research Environment through global cooperation, participation and engagement Rafael Buralli. <i>University of São Paulo.</i> Yu Ait Bamai. <i>Hokkaido University</i>
	<ul style="list-style-type: none">• Discussion
15.30 - 16.00 h	Break*
16.00 - 17.30 h	Exposome research roadmap & regional priorities
Auditorium	<ul style="list-style-type: none">• General overview Roel Vermeulen. <i>Utrecht University.</i> Manel Rihani. <i>ANSES.</i>• Goal 1: How does global change impact the exposome Léa Maitre. <i>ISGlobal.</i>• Goal 2: How transitions affect the exposome Roel Vermeulen. <i>Utrecht University.</i>• Goal 3: How can the exposome support public health policy/regulation Manel Rihani. <i>ANSES.</i>• Goal 4: How can the exposome improve medicine Tatiana Saad. <i>Inserm.</i>• Goal 5: Development of methods, tools, infrastructures Roel Vermeulen. <i>Utrecht University.</i>• Global perspectives from Africa, Asia, Latin America and USA Meaza Shentema. <i>Addis Ababa University.</i> Krithiga Shridhar. <i>Centre for Chronic Disease Control.</i> Diana Marcela Marín Pineda. <i>Universidad Pontificia Bolivariana.</i> Gary Miller. <i>Columbia University.</i>• Discussion
18:00 - 19:00 h	Welcome reception and networking*

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Programme

Tuesday, 28 April 2026

Exposome Science

- 09.00 - 10.30 h** Auditorium **Scientific session 1 - keynotes and selected abstracts (Gary Miller & Adrian Covaci)**
- **Keynote 1: Climate action as a driver of healthier exposomes**
Cathryn Tonne. *ISGlobal*.
 - **Keynote 2: From Sample to Molecules to Meaning: High-Resolution Chemical Exposomics for Precision Health**
Jonathan Martin. *Stockholm University*.
 - **Abstract presentation 1: Developing An Integrative Exposomics Platform (ExposomeX) to Expedite Discovery of "Exposure-Biology-Disease" Nexus**
Bin Wang. *Peking University*.
 - **Abstract presentation 2: Exploring the exposome and the unexplained variance in biological ageing – insights from a genetically controlled twin study in early adulthood**
Annika Opperbeck. *University of Jyväskylä*.
- 10.30 - 11.00 h** **Break***
- 11.00 - 11.30 h** **Poster presentations 1**
- 11.30 - 13.00 h** Auditorium **Scientific session 2 - keynotes and selected abstracts (Roel Vermeulen)**
- **Keynote 3: Integrating Consumer Product-Based Exposure with AOP-Anchored AI-Based Toxicity Prediction for Exposome-Informed Chemical Prioritization**
Jinhee Choi. *University of Seoul*.
 - **Abstract presentation 3: Brain Exposomics Reveals Dietary Lipids Linked to Reduced Alzheimer's Disease Neuropathology**
Donghai Liang. *Emory University*.
 - **Abstract presentation 4: A Novel Causal Discovery-based Exposome Analysis Pipeline: Screening for Causally Influential Pregnancy Exposures Driving Fetal Growth**
Molly Grant. *A*STAR, National University of Singapore*.
 - **Abstract presentation 5: Advancing Urban Microbial Exposome for Planetary Health**
Marja Roslund. *Natural Resources Institute*.
 - **Abstract presentation 6: From Exposome Domains to Health and Mortality: Estimating Attributable Risks and Proportions Mediated by Biomarkers**
Helene Colineaux. *Imperial College London*.
- 13.00 - 14.00 h** **Break***
- 14.00 - 14.30 h** **Poster presentations 2**
- 14.30 - 15.00 h** **Poster presentations 3**
- 15.00 - 16.00 h** Auditorium **Scientific session 3 - keynotes and selected abstracts (Fenna Sillé & Chioma Nwakanma)**
- **Keynote 4: Advances in Spatiotemporal Modelling for External Exposome Assessment**
Kees de Hoogh. *Utrecht University*.
 - **Abstract presentation 7: Early life social and environmental exposures and all-cause hospital visits among children under five in Southern Mozambique**
Stefan Sieber. *ISGlobal, Barcelona*.
 - **Abstract presentation 8: From the environment to the heart: Joint effects of long-term external exposome on ischemic heart disease incidence in Europe**
Huyen Nguyen Thi Khanh. *Karolinska Institutet, Stockholm*.
- 16.00 - 16.30 h** **Break***
- 16.30 - 18.00 h** Auditorium **Scientific session 4 - keynotes and selected abstracts (Martine Vrijheid & Léa Maitre)**
- **Keynote 5: Unequal exposomes shaping global brain health**
Joaquin Migeot. *Latin American Brain Health Institute (BrainLat)*.
 - **Keynote 6: From Exposures to Outcomes: A Multi-Omics Window into the Infant Gut Microbiome**
Tanya Alderete. *Johns Hopkins University*.
 - **Abstract presentation 9: Artificial Intelligence for Identifying Treatable Exposomic Root Causes of Chronic Disease**
Krisna Bhargava. *The Exposome Intelligence Company - New York*.
 - **Abstract presentation 10: Effect-based human biomonitoring of complex chemical mixtures in human matrices**
Georg Braun. *Helmholtz-Centre for Environmental Research (UFZ), Leipzig*.
- 18:15 - 19.00 h** **Open meeting: Microsampling in exposomics: where we stand and how to move forward**
- Moderators:**
- Jos Bessems. *VITO*
 - Vinicius Verri Hernandes. *University of Vienna*.
- 19:30** **Summit Dinner* - Vivero Beach Club (Confirmation needed)**

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Programme

Wednesday, 29 April 2026

Building the Global Exposome Community

08.30 - 08.55 h **GEF Plenary session 1: Framing the Discussion**

Auditorium

David Balshaw. *National Institute of Environmental Health Sciences.*
Jana Klanová. *Masaryk University.*
Fenna Sillé. *Johns Hopkins University.*

09.00 - 10.00 h **GEF Parallel sessions 2A, 2B, 2C, 2D**

Auditorium

• **2A: Chemical and biological analytics**

Jon Martin. *Stockholm University.*
Elliott Price. *Masaryk University.*
Adrian Covaci. *University of Antwerp.*
Benedikt Warth. *University of Vienna.*
Jessica Ewald. *EMBL-EBI.*
Dinesh Barupal. *Icahn School of Medicine at Mount Sinai.*
Lauren Petrick. *Icahn School of Medicine at Mount Sinai.*
Lea Maitre. *Barcelona Institute for Global Health (ISGlobal).*
Paolo Vineis. *Imperial College London.*

Tramuntana 2

• **2B: Geospatial methods and applications**

Rima Habre. *University of Southern California.*
Kees de Hoogh. *Utrecht University.*
Itai Kloog. *Icahn School of Medicine at Mount Sinai.*
Jean-Baptiste Guimbaud. *Meersens.*
Hüseyin Küçükali. *Utrecht University.*
Anne Thessen. *University of North Carolina - Chapel Hill.*
Thahn H. (Helen) Nguyen. *University of Illinois - Urbana Champaign.*

Garbí 1

• **2C: Wearables**

Krystal Pollitt. *Yale University.*
Thomas Hankemeier. *Leiden University.*
Chao Jiang. *Zhejiang University.*
Jos Bessems. *VITO.*
Ville Pimenoff. *University of Oulu.*
Johannes Zauner. *Technical University of Munich.*

Garbí 2

• **2D: ExWAS and Big data / AI**

Chirag Patel. *Harvard University.*
Alison Motsinger-Reif. *NIEHS.*
Vasilis Vasiliou. *Yale University.*
Heidi Hanson. *Oak Ridge National Laboratory.*
Marc Chadeau-Hyam. *Imperial College London.*
John P.A. Ioannidis. *Stanford University.*
Mingliang Fang. *Fudan University.*
Arjun Manrai. *Harvard University.*

10.00 - 10.30 h

Break*

10.30 - 11.25 h

Auditorium

GEF Plenary session 3: Partnering for Success

Fenna Sillé. *Johns Hopkins University*
John Randell. *Human Cell Atlas*
Casimiro Vizzini. *UNESCO*
Milena Foerster. *IARC*
Floriane Pereira. *Biocodex Microbiota Institute*
Mircea Sofonea. *University of Montpellier*
Amy Foreman. *EMBL-EBI*

11.30 - 12.30 h

Auditorium

GEF Parallel sessions 4A, 4B, 4C

• **4A: Exposomics in practice: Cities as testbeds**

Roel Vermeulen. *Utrecht University.*
Tina Woods. *Collider Health.*
Denis Sarigiannis. *National Hellenic Research Foundation / Aristotle University of Thessaloniki.*
Song Tang. *National Institute of Environmental Health - China CDC.*
Chris Edmond. *WorkHealth Jersey.*
Mark Nieuwenhuisen. *ISGlobal.*
Agis Tsouros. *Boston University.*
Miriam Weber. *City of Utrecht.*

Garbí 2

• **4B: Exposomics in practice: Individual exposomics (& precision health)**

Socrates Papageorgiou. *University of Athens.*
Manish Arora. *Icahn School of Medicine at Mount Sinai.*
Carmen Messerlian. *Vie Institute for Generational Health / Harvard University.*
Zodwa Dlamini. *Pan Africa Cancer Research Institute (PACRI) / University of Pretoria.*
Shai Shen-Orr. *Technion.*

Tramuntana 2

• **4C: Exposomics in practice: Next steps for cohorts**

Martine Vrijheid. *ISGlobal.*
Yu Ait Bamaï. *Hokkaido University.*
David Balshaw. *National Institute of Environmental Health Sciences (NIEHS).*
Zisis Kozlakidis. *IARC/WHO.*
Lida Chatzi. *USC.*
Shoji Nakayama. *Japan Environment and Children's Study / National Institute for Environmental Studies.*
Myriam Mrad. *Health & Environment Response Agency (HERA-ME).*
Diana Marín Pineda. *Universidad Pontificia Bolivariana.*
Poornima Prabhakaran. *Ashoka University.*

12.30 - 13.30 h

Break*

13.30 - 14.25 h

Auditorium

GEF Plenary session 5: Exposome and policy: creating insightful, actionable and ethical solutions

Jeanette Stingone. *Columbia University*
Ming Yang. *Nature Publishing*
Kyle M. Walsh. *National Institute of Environmental Health Sciences (NIEHS)*
Denis Naughten. *Innosphere Consulting*
Remi Quirion. *Ministère de l'Économie, de l'Innovation et de l'Énergie du Québec*
Xiaoming Shi. *National Institute of Environmental Health - China CDC*
Eleonora Chinchio. *Joint Research Centre, European Commission*
Caspar Safarlou. *University Medical Center Utrecht*

14.30 - 15.30 h

Auditorium

Plenary closing session, next steps

Gary Miller. *Columbia University.*
Roel Vermeulen. *Utrecht University.*

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