# The HEAP project Symposium 2024

## "Humanity and the environment: Moving exposome research from information to action"

### Day 1 – Research infrastructures and data: Advancing knowledge on the environment and our health

**Mon 27 May**

| Time | Session | Speaker |
|------|---------|---------|
| 08:30–09:00 | Arrival at the IARC Nouveau Centre and registration | |
| 09.00–09.30 | Tour of the IARC biobank | Zisis Kozlakidis, IARC |
| 09:30–09:45 | Welcome to IARC and opening remarks | Joakim Dillner, KI<br>Zisis Kozlakidis, IARC |
| 09:45-10:15 | Keynote: European exposome research infrastructures | Jana Klánová, EIRENE |
| **Session 1: Scientific results of the HEAP project** | | *Roxana Merino Martinez. KI* |
| 10:15–11:00 | Personal exposometers for monitoring the environment | Allison Zhang, Stanford University/KI |
| 11:00-11:15 | *Photocall and tea/coffee break* | |
| 11:15-12:00 | DNA methylation in cancer prevention – opportunities and challenges | Martin Widschwendter, EUTOPS, University of Innsbruck |
| 12:00-12:45 | The Consumer exposome - Consumer purchase data and chronic disease | Frederik Trier Møller, Statens Serum Institut |
| 12:45–13:45 | *Buffet lunch in the IARC reception area* | |
| **Session 2: The HEAP Platform in action** | | *Zisis Kozlakidis, IARC* |
| 13:45–14:30 | International collaboration in comprehensive exposome research | Ville Pimenoff, University of Oulu/KI |
| 14:30–15:15 | Bioinformatics in action - building and using the HEAP platform | Alex Ormensian, Hopsworks<br>Dhananjay Mukhedkar, KI<br>Sara Arroyo Mühr, KI<br>Ainhoa Garcia-Serrano, KI |
| 15:15–15:30 | *Tea/coffee break* | |
| 15:30–17:00 | Plenary session "From Information to Action" The impact of the HEAP project | Roxana Merino Martinez/<br>Joakim Dillner, KI |

## DAY 2 – EXPOSOME RESEARCH: ETHICS, LAW AND FUTURE PERSPECTIVES

**Tues 28 May**

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|---|---|---|
| 08:45–09:15 | Arrival at the IARC Nouveau Centre and registration | |
| 09:15–09:30 | Welcome and opening remarks | Joakim Dillner, KI, Evert-Ben van Veen, Lygature |
| **Session 1: Exposome research and public health ethics** | | *Evert-Ben van Veen* |
| 09.30-09.40 | Introduction | Evert-Ben van Veen, Lygature |
| 09:40–10:00 | Ethical and legal topics in exposome research in the EU. Results from the EHEN working group | Daniel Groos, Lygature |
| 10:00–10.35 | Health equity versus individualism: On mission creep in public health | Caspar Safarlou, UMC Utrecht |
| 10:35-10:55 | *Tea/coffee break* | |
| 10:55–11:30 | Discussion | |
| **Session 2: Governance of research projects** | | *Olenka van Ardenne* |
| 11.30-11.35 | Introduction | Olenka van Ardenne, Lygature |
| 11.35–11.55 | Open science and cross border research: new models of governance | Evert-Ben van Veen, Lygature |
| 11:55–12.20 | Engaging with healthy people in lifestyle studies: what have we learned during HEAP? | Ingrid Lieb, Tamara Schmid, Sandra Plaikner. Lifestyle study team, EUTOPS, University of Innsbruck |
| 12.20–12:40 | An introduction to the European Health Data Space (EHDS) and SPEs | Melvin Thomas, TMF Berlin (technology platform for medical research) |
| 12.40–13.40 | *Buffet lunch in the IARC reception area* | |
| 13:40–14.00 | Impact of the European Health Data Space (EHDS) on cross-border research | Artur Rocha, Vasco Rosa Dias, INESC TEC |
| 14.00–14:30 | Discussion | |

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| **Session 3: Future enablers of exposome research** | | *Joakim Dillner* |
|---|---|---|
| 14:30–14:50 | International biobanking and Exposome research | Wagida Anwar, Ain Shams University<br>Zisis Kozlakidis, IARC |
| 14.50–15:10 | Perspectives on environmental exposure and human health | Isabella Annesi-Maesano, Montpellier University Hospital |
| 15.10–15.30 | *Tea/coffee break* | |
| 15:30–15.45 | Long-term outlook of HEAP Secure Cloud Infrastructure | Stefan Negru, CSC – IT Center for Science |
| 15:45–16.00 | The International Human Exposome Network (IHEN) | Martine Vrijhied, IS Global<br>Zisis Kozlakidis, IARC |
| 16:00–16.30 | Plenary session on sustainability | Joakim Dillner, KI |
| 16:30-16:45 | Closing remarks | Joakim Dillner, KI |

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