

## “New Horizons for Early Life Exposome Research”

### Scientific Symposium Barcelona – 30-31 October 2017

#### Organising committee:

- HELIX: Martine Vrijheid, Cathrine Thomsen (NIPH Norway), Muireann Coen (Imperial College London), John Wright (Bradford), Rémy Slama (Inserm, Grenoble), Peter van den Hazel
- Exposomics: Paolo Vineis (ICL), Roel Vermeulen (IRAS, Utrecht)

#### Main themes

- What have we learnt in HELIX and other Exposome projects and why does it matter?
- Establishing a network of experts in Exposome research - How can we reinforce links between projects within and outside Europe?

#### Participants

- HELIX consortium; HELIX SAB; Invited speakers; Other interested researchers; Other stakeholders (WHO, EEA, EC)

#### Registration fee

- 150 euros (non-consortium members. Waved for invited speakers)

#### Presentations

1. Invited speakers/keynotes
2. Short presentations of results by more junior researchers (structured: aims, results, implications for practice) – for these a selection will be made following submission of short abstracts.

#### Posters

- Poster presentations of related projects, studies and findings are welcomed

#### Report

- Meeting report to be published : “Exposome achievements and challenges”
- Each session will finish with the discussion of a summary statement to feed into the meeting report.

### Programme - outline

#### 0. Welcome

#### 1. Setting the scene - the Exposome projects

- The global/societal challenge (TBC) – Manolis (ISEE president)?
- EU Project Officer's overview of Exposome research - TBC
- What have we learnt in HELIX and why does it matter? (Martine Vrijheid)
- What have we learnt in Exposomics and why does it matter? (Paolo Vineis)
- What have we learnt in HEALS and why does it matter? (Denis Sarigiannis)
- Update on US exposome efforts (Hercules, NIEHS) (Gary Miller)

- Summary statement: “achievements and challenges”

## 2. **Describing the early life (external) Exposome and its determinants and variability across Europe**

- Keynote – HELIX results - Cathrine Thomsen (NIPH) / Mark Nieuwenhuijsen
- Selection of short presentations
- Summary statement: “achievements and challenges”

## 3. **Omics signatures related to multiple early life environmental exposures**

- Keynote – HELIX results – TBC
- Selection of short presentations
- Summary statement: “achievements and challenges”

## 4. **Assessing health effects of the early life Exposome**

- Systematically associating multiple exposures with child health: Methodological challenges & HELIX results – Rémy Slama
- Biostatistical/bioinformatics challenges (Marc Chadeau)
- Selection of short presentations
- Summary statement: “achievements and challenges”

## 5. **Translation of Exposome results to policy**

- Health impact assessments related to the early life exposome (David Rojas)
- EEA perspective?
- Interactive session
- Summary statement: “achievements and challenges”

## 6. **Networking between Exposome-related projects in and outside Europe – “building an exposome toolbox”**

- HBM4EU (Marika Kolossa), LifeCycle (?), LifePath (Paolo Vineis), EDC-MixRisk (TBC), US projects (Gary Miller), HEALS (Denis Sarigiannis), Exposomics, HELIX, others
- Interactive format – e.g. dating show format – each project to present their “match” to the exposome toolbox followed by networking discussion
- Summary statement: “achievements and challenges”

## 7. **Reflections on the Future of (early life) Exposome Research**

- Epidemiologist's view: Roel Vermeulen
- Toxicologist's view: Thomas Hartung (Human Toxome project) – provisional confirmation