LECTURE SERIES 2025
CAUSAL INFERENCE METHODS FOR REAL-WORLD DATA

LUXEMBOURG INSTITUTE OF HEALTH | **LISER** Luxembourg Institute of Socio-Economic Research | **uni.lu** UNIVERSITÉ DU LUXEMBOURG

1st OCT 2025
Wednesday

LECTURE

MEET & EAT *
Light lunch provided
Conference room – Maison des Sciences Humaines

11.00am - 12.00pm   12.00pm - 1.30pm

```
|6      7      8      9      10      11      12      1      2      3|
```

Introduction to causal inference and directed acyclic graphs

ABSTRACT

Estimating causal effects in non-experimental data is a key aim of applied health and social science research. Unfortunately, it is also notoriously difficult. Contemporary causal inference methods, including directed acyclic graphs, promise to revolutionise the analysis and interpretation non-experimental data, not least by making our ambitions and assumptions far more explicit. In the health sciences, these methods are rapidly gaining popularity, but they are still yet to be adopted as widely as other entrenched methods. This talk offers a simple introduction to the new science of causal inference, with a particular focus on directed acyclic graphs.

SPEAKER

Peter Tennant
Associate Professor of Health Data Science
at the University of Leeds

Former fellow of the UK's Alan Turing Institute

Incoming George Sadan Visiting Associate Professor
at Yale University for 2026.

RESPONSIBLE SCIENTIST
Sophie Pilleron
Ageing, Cancer and Disparities (ACADI) Research Unit
Department of Precision Health (DoPH)
Luxembourg Institute of Health (LIH)

***Please note that registration for Meet and Eat is mandatory via the following link:**
https://lh1v-limsrvey01.lih.lu/index.php/115883?lang=en

Location:

Lecture:
Maison des Sciences Humaines
Room: Conference room

11 porte des Sciences
L-4366 Esch-sur-Alzette, Luxembourg

JOIN

Event number: 2794 363 1369
Event password: KikMNTVM337
https://mylih.webex.com/mylih/j.php?MTID=m309077cd77e6288b7c3c20ebbe8c2384