

Aula de grados
Facultad de Filosofía
C/Camilo José Cela S/N
Sevilla

FROM 7 TO 9

OCT

SEVILLE, 2026

CAU SE MED

Causality and Causal Inference in Medicine

Conferences on Causality in the Sciences (Cits)

KEYNOTE SPEAKERS:

- **Jonathan Fuller**
(University of Pittsburgh)
- **Naja Hulvej Rod**
(University of Copenhagen)
- **Saana Jukola**
(University of Twente)

CHAIRS: *Cristina Barés Gómez, Matthieu Fontaine,
Elena Popa, Quentin Ruyant.*



9:30–9:45

Participants' registration

9:45–10:00

Welcome and Introduction

10:00–11:30

*Keynote Session. Value-ladenness of causal evidence:
the case of testing interventions for Alcohol Use Disorder*
Saana Jukola

11:30–12:00

Coffee Break

12:00–14:00

Mechanistic discarding and target-to-target extrapolation
Guillermo Marín Penella, Losner Briones

*Causal Inference Beyond Evidence –
Based Medicine A Bayesian Appraisal of Mechanistic Plausibility*
Ethan Vorster

*Beyond the Epistemic Loop –
Mechanistic Hypotheses in Biomedical Reasoning*
Cristina Barés, Matthieu Fontaine

*Nothing but Causal Veneer:
A Critique of Gut Microbiome Causation in Anorexia Nervosa*
Jacob P. Neal, Nicolae Morar

14:00–16:00

Lunch Break

16:00–18:00

*Distinct Social Epistemological Structures of Causal Inference
in Clinical and Basic Medical Research*
Tatsuyuki Sato

Rethinking Evidence in Healthcare: The Epistemic Value of Patient Testimony
Noemi Paciscopi

Economic Inequality and Health Outcomes: Spelling out the Pathways
Elena Popa, Jay Zameska

Gender, Intervention, and Causal Inference in Clinical Judgment
Liyuan Jiao

9:30–11:00

*Keynote Session. Beyond Single Causes:
A Complexity Perspective on Causal Inference in Public Health*
Naja Hulvej Rod

11:00–11:30**Coffee Break****11:30–13:30**

Variables are not real, but causes in health are still useful
Samantha Kleinberg

Conflicting causal paths and randomized experiments
Mariusz Maziarz

A Significance Test for Causal Inference
Zhitao Zhang, Alexander Gebharder

Circularity and reification in HiTOP: the problem of causal independence
Rosa Rooduijn

13:30–15:30**Lunch Break****15:30–17:30**

*From population evidence to individual causal inference:
evidential pluralism and the epistemology of N-of-1 medicine*
Laura Senis

*From Population- to Individual-Level Evidence:
Two Concepts, Two Problems*
Riin Kõiv

*A causal account for estimating effects across populations
when no causal information is available*
Alexander Gebharder, Barbara Osimani,
Michał Sikorski, Zhitao Zhang, Elisa D'Olimpio

*Managing treatment selection in oncology:
the epistemic rationale of risk stratification*
Marina D'Amico, Giovanni Sanavio

20:00**Conference Dinner**

9:30–11:00

Explaining Why: A multidisciplinary approach to token causality
Phyllis Illari

Machine learning for philosophy-based causal discovery
Luna De Souter

*Reframing causal modelling using observational data:
from actionability to evidence*
Stella Prizeman-Green

11:00–11:30**Coffee Break****11:30–13:30**

Why Evidence-Based Medicine+ Should Care about Surrogate Outcomes
Kyrellos Ghattas

*Breastfeeding Promotion and the Limits of Evidence-Based Policy:
Lessons for Evidential Pluralism*
María Jiménez Buedo, Saúl Pérez Gonzalez

*Beyond Molecules: Psychological Variables and Causal Inference
in Randomized Controlled Trials*
Héloïse Athea

Causality and the Network Theory of Psychopathology
Anna van Oosterzee

13:30–15:30**Lunch Break****15:30–17:00**

Keynote Session (online).
The problems of extrapolation in epidemiological medicine
Jonathan Fuller

17:00**Concluding remarks**