

# Epistemology and Philosophy of Science – Module 2: Scientific Explanations

Instructor: Andrea Oldofredi (Lancog, CFUL)

October 29, 2024

In order to schedule a meeting with me please write an email at:

**Email Address:** aoldofredi@letras.ulisboa.pt

**Handout for Tuesday November 5**  
**Guest Lecture by Professor Tomasz Bigaj (University of Warsaw)**

## Seminar 3

- 14:00-15:20: Professor Bigaj Lecture: *Causation and causal explanation in physical sciences* (part 1)
- Coffee Break: 15:20–15:40
- 15:40-17:00: Professor Bigaj Lecture: *Causation and causal explanation in physical sciences* (part 2)

The readings for next week are the following:

- **Mandatory reading:** “On the Notion of Cause, with Applications to the Free-Will Problem”, by Bertrand Russell
- **Optional reading:** Chapter 12 “Some philosophical reflections on explanation and theory” from the book *Philosophy and the Foundations of Dynamics*, by Lawrence Sklar, Cambridge University Press, 2013.
- **Optional reading:** Chapter 1 “Introduction” from the book *Causal Reasoning in Physics*, by Mathias Frisch, Cambridge University Press, 2014.