

## **Workshop program: A Novel "Third Way:" Synthesizing Autonomy and New Mechanism**

*All times are Oslo local time (GMT +2)*

*Location:* DSCIENCE LOUNGE, KRISTINE BONNEVIES HUS FLOOR 1, UNIVERSITY OF OSLO / ZOOM

*Practical information provided separately.*



### **FRIDAY 11<sup>TH</sup>**

**10:00 – 11:00:** Welcome by Andrew and Sebastian

**11:00 – 12:00:** Auguste Nahas: *Can Mechanistic and Teleological Perspectives be Integrated?* (online speaker)

**12:00 – 13:45:** LUNCH

**13:45 – 14:45:** Dan McShea (Duke University): *Structure and Function: And You Thought We Were Done with This One* (online Speaker)

**14:45 – 15:00:** SHORT BREAK

**15:00 – 16:00:** Ana Soto (Tufts University School of Medicine, Boston; Centre Cavallès, École Normale Supérieure, Paris): *Nothing is More Practical than a Good Theory* (online speaker)

**16:00 – 17:30:** BREAK

**17:30:** William Bechtel (University of California, San Diego): *Mechanism Needs Autonomy* (online speaker)

### **SATURDAY 12<sup>TH</sup>:**

**10:00 – 11:00 :** Guiseppe Longo (Centre Cavailès (République des Savoirs), CNRS, Collège de France & Ecole Normale Supérieure): *Emergence vs Novelty Production in Physics vs Biology*

**11:00 – 11:30:** BREAK

**11:30 – 12:30:** Cloutier Olivier (Université du Québec à Rimouski): *Transforming Theory into DNA: A New Way to Explore the Definition of Life*

**12:30 – 14:00:** LUNCH

**14:00 – 15:00:** Leonardo Bich (University of the Basque Country): *Autonomy needs Mechanism* (online speaker)

**15:00 – 15:15:** BREAK

**15:15 – 16:15:** Andrew Bollhagen (Minnesota Center for Philosophy of Science) and Sebastian Sander-Oest (University of Oslo): *Free Energy Transduction in Biological Systems: Synthesizing Autonomy and Mechanism*

**16:15 – 16:30:** BREAK

**16:30 – 17:30** Daniel Akhondi (Tarbiat Modares University, Tehran, Iran): *Dynamic Auto-Pertinence: Viability as the Origin of Meaning*

**19:00:** EVENING DINNER

## **SUNDAY 13<sup>TH</sup>:**

**10:00 – 11:00:** Tsehay Haidemariam: *From Constraint Closure to Goal-Regulatory Closure: What Agentic AI Reveals About Biological Autonomy*

**11:00 – 11:30:** SHORT BREAK

**11:30 – 12:30:** Marcus Barrick (Independent Scholar): *Enactive Viable Agency: A Process-Relational Grammar*

**12:30 – 14:00:** LUNCH

**14:00 – 15:00:** Gry Oftedal (University of Oslo): *Self-assembly as a test case for bridging mechanist and organicist explanatory approaches.*

**15:00–15:15:** SHORT BREAK

**15:15–16:30:** Alok Srivastava (PhD Molecular Biology & Biophysics, MIT; Independent Researcher): *A New Tool in the Complexity Tool Box: Historico-teleological complexity* (online speaker)