

Seminari di Filosofia analitica, Filosofia della logica e della scienza

Calendario degli incontri

Iniziative già programmate

Nei mesi di **ottobre e novembre 2015** sono previsti i seguenti seminari

Guido Del Din, Termini teorici e termini osservativi: fondamenti logici – 12 ottobre 2015

Guido Del Din, Termini teorici e termini osservativi: la meccanica classica – 26 ottobre 2015

Pieralberto Marchetti (Università di Padova): La nozione di simulataneità in fisica relativistica (titolo provvisorio)

Pieralberto Marchetti (Università di Padova): Il gatto di Schrödinger (titolo provvisorio)

Nel mese di **dicembre 2015 o gennaio 2016**

Incontro sul principio di non contraddizione con Enrico Berti (partecipazione auspicata ma non ancora decisa) e Francesco Berto.

Nel secondo semestre è previsto il seguente corso di 20 ore (10 lezioni) che sarà tenuto in italiano da Predrag Šustar (Università di Rijeka):

PHILOSOPHY OF SCIENCE: NATURE AS AN ARTEFACT

Second semester, academic year 2015/16

Predrag Šustar

Topics

The seminar will explore Kant's overall account of *natural teleology*, namely, with regard to the enablers of *empirical cognition* of natural phenomena. Additionally, the most prominent topics of *biological teleology* will be also taken into consideration, especially, those that more directly resonate with major current debates in the philosophy of the biological and biologically related sciences. Kant's account will be explored along the following lines: (I) by reconstructing the main

6. *Chemical Explanations* Readings: M. Carrier (2001), "Kant's Theory of Matter and His Views on Chemistry", in E. Watkins (ed.), *Kant and the Sciences*, New York: Oxford University Press, 205-30; M. Friedman (1992), *Kant and the Exact Sciences*, Cambridge: Harvard University Press, Ch. 5, III; M.B. McNulty (2014), "Kant on Chemistry and the Application of Mathematics in Natural Science", *Kantian Review*, 19, 393-418

7. *Causation and Mechanisms in Biology* Readings: P. Šustar (2014), "Kant's Account of Biological Causation" in I. Goy and E. Watkins (eds), *Kant's Theory of Biology*, Berlin-New York: Walter de Gruyter, 99-116; H. Ginsborg (2004), "Two Kinds of Mechanical Inexplicability in Kant and Aristotle", *Journal of the History of Philosophy*, 42, 33-65; Th. Teufel (2011), "Wholes that Cause their Parts: Organic Self-Reproduction and the Reality of Biological Teleology", *Studies in History and Philosophy of Biology and Biomedical Sciences*, 42, 252-60

III. INTERVENING INTO THE *PHIL.SCI.* AND *PHIL.BIO.* DEBATES

8. *Reflecting Judgment and the Inference to the Best Explanation* Readings: G. Harman (1965), "The Inference to the Best Explanation", *Philosophical Review*, 74, 88-95; P. Lipton (2008), "Inference to the Best Explanation", in S. Psillos and M. Curd (eds), *The Routledge Companion to Philosophy of Science*, London-New York: Routledge, Ch. 18, 193-202; D. Tulodziecki (2007), "Breaking the Ties: Epistemic Significance, Bacilli, and Underdetermination", *Studies in History and Philosophy of Biological and Biomedical Sciences*, 38, 627-41

9. *The Underdetermination Problem(s)* Readings: P. Forber and E. Griffith (2011), "Historical Reconstruction: Gaining Epistemic Access to the Deep Past", *Philosophy and Theory in Biology*, 3, DOI: <http://dx.doi.org/10.3998/ptb.6959004.0003.003>; P. Godfrey-Smith (2008), "Recurrent, Transient Underdetermination and the Glass Half-Full", *Philosophical Studies*, 137, 141-48; P.K. Stanford (2001), "Refusing the Devil's Bargain: What Kind of Underdetermination Should We Take Seriously?", *Philosophy of Science*, 68 [Proceedings], 1-12

10. *Ascribing Functional Features to Biological Entities* Readings: L. Wright
(1973), "Functions", *Philosophical Review*, 82, 139-68; P. Šustar and Z. Brzović (2014),
"Natural Selection and the Function Debate: Between 'Cheap Tricks' and Evolutionary
Neutrality", *Synthese*, 191, 2653-2671; H. Ginsborg (2014), "Oughts without Intentions: A
Kantian Account of Biological Functions", in I. Goy and E. Watkins (eds), *Kant's Theory of
Biology*, Berlin-New York: Walter de Gruyter, 259-74
11. *Concluding Remarks* No Reading.