

IgBIG Spring 2022 draft programme

22 February	Pre-meeting for Master students
1 March	Marcel Weber on Dupré's <i>The Metaphysics of Biology</i>
8 March	Anatolii Kozlov, Theoretical Objects and Non-Perceptual Art
15 March	Michaela Egli on meta-research and experimentation on animals
22 March	TBA
29 March	Romolo Borra: topic TBA
5 April	Christian Sachse: topic TBA
12 April	Lauriane Nicole: topic TBA
26 April	Raphaël Scholl: topic TBA
3 May	Nadine Marachly on the evolution of freedom
10 May	Silvia De Cesare: book chapter presentation on progress and evolution
17 May	Piera Filippi on animal communication

Suggestions for readings:

Anya Plutynski, 2018. *Explaining Cancer: Finding Order in Disorder*. Oxford University Press.

<https://oxford.universitypressscholarship.com/view/10.1093/oso/9780199967452.001.0001/oso-9780199967452>

William Bechtel and Linus Ta-Lun Huang: *Philosophy of Neuroscience*. Cambridge

University Press. <https://www.cambridge.org/core/elements/philosophy-of-neuroscience/8EB23CCDB2E9D414EDA36CB8A5B8F62A>

Kristin Andrews, 2020. *How to Study Animal Minds*. Cambridge University Press.

<https://doi.org/10.1017/9781108616522>

Lynch, Kate E., Parke, Emily C., O'Malley, Maureen A., 2019. How causal are microbiomes? A comparison with the *Helicobacter pylori* explanation of ulcers. *Biology and Philosophy* 34,

62. <https://doi.org/10.1007/s10539-019-9702-2>

Oftedal, Gry, 2020. Problems with using stability, specificity, and proportionality as criteria for evaluating strength of scientific causal explanations: commentary on Lynch et al. (2019).

Biology and Philosophy 35, 26. <https://doi.org/10.1007/s10539-020-9739-2>

- John Dupré, 2021. *The Metaphysics of Biology*. Cambridge University Press.
<https://www.cambridge.org/core/elements/metaphysics-of-biology/AB442638E22AA42B3185EF0419F99A04>
- Torsten Wilholt, 2021. Epistemic Interests and the Objectivity of Inquiry. *Studies in History and Philosophy of Science*
- Marc Artiga, 2021. Bacterial Communication. *Biology and Philosophy*
<https://link.springer.com/article/10.1007/s10539-021-09814-1>
- Azita Chellappoo, 2022. When Can Cultural Selection Explain Adaptation? *Biology and Philosophy* <https://link.springer.com/article/10.1007/s10539-021-09831-0>
- Leonardo Bich and William Bechtel, 2021. Mechanism, Autonomy and Biological Explanation. *Biology and Philosophy* <https://link.springer.com/article/10.1007/s10539-021-09829-8>
- Dorit Bar-On, 2021. How to do things with nonwords: pragmatics, biosemantics, and origins of language in animal communication. *Biology and Philosophy*
<https://link.springer.com/article/10.1007/s10539-021-09824-z>
- Marie I. Kaiser and Rose Trappes, 2021. Broadening the problem agenda of biological individuality: individual differences, uniqueness and temporality. *Biology and Philosophy* <https://link.springer.com/article/10.1007/s10539-021-09791-5>
- Bryce Gessell, 2017. Indeterminism in the Brain. *Biology and Philosophy*,
<https://doi.org/10.1007/s10539-017-9601-3>
- Amber Maimon and Meir Hemmo, 2022. Does Neuroplasticity Support the Hypothesis of Multiple Realizability? *Philosophy of Science* <https://doi.org/10.1017/psa.2021.16>
- Wolfgang Pietsch, 2021. *Big Data*. Cambridge University Press.
<https://www.cambridge.org/core/books/big-data/54D0BC7BB81B533E910DFA6F945601CE>