Matteo De Benedetto

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Employment

• (2024-)

Assistant Professor (IMT School for Advanced Studies Lucca)

Assistant Professor (RTD-a) in Logic and Philosophy of Science, member of the the "Models, Inferences, and Decisions (MInD)" group within the "Molecular Mind Laboratory (MoMiLab)" research unit.

• (2022-2024)

Postdoctoral Researcher (Ruhr-Universität Bochum)

Member of the Emmy-Noether Research Group "From Perception to Belief and Back Again".

Education

• (2017-2022)

PhD in Philosophy (MCMP, Ludwig-Maximilians-Universität München)

PhD Thesis: Frameworks, Models, and Case Studies: A New Methodology for Studying Conceptual Change in Science and Philosophy. link Supervisor: Hannes Leitgeb Examiners: Hannes Leitgeb, Leon Horsten, Kärin Nickelsen Final Mark: summa cum laude.

• (2014-2017)

M.A. in Logic, Philosophy and History of Science (University of Florence)

Thesis: The Church-Turing Thesis. A compass. Supervisor: Andrea Cantini Final Mark: 110/110 magna cum laude

• (2011-2014)

B.A. in Philosophy (University of Florence)

Thesis: The modal translation of intuitionistic logic: Godel's result and some recent developments. Supervisor: Pierluigi Minari Final Mark: 110/110 magna cum laude

Publications

- Articles in journals:
 - (2025) "Epistemic Niche Construction and Non-Epistemic Values: The case of 19th Century Craniology" (with Michele Luchetti). European Journal for Philosophy of Science, 15 (20). link
 - (2025) "The Open Texture of 'Algorithm' in Legal Language" (with Davide Baldini). AI & Society, 40, 1643-1654. link.
 - (2024) "Bootstrapping Concepts via Hybridization: A step-by-step guide" (with Nina Poth). Review of Philosophy and Psychology. link
 - (2024) "Patches, Patchworks, and Epsilon Terms: A Neo-Carnapian Account Of Theoretical Terms In Science" (with Elio La Rosa). Journal of Philosophical Logic, 53, 1495-1517. link
 - (2024) "Theoretical Concepts as Goal-Derived Concepts". Studies in History and Philosophy of Science, 107, 82-91. link
 - (2024) "Logical Norms as Defeasible Obligations: Disentangling sound and feasible inferences" (with Alessandra Marra). *Inquiry*. link.
 - (2024) "Theory Choice As Niche Construction: The Feedback Loop Between Scientific Theories and Epistemic Values" (with Michele Luchetti). *Philosophy* of Science, 91(3), 741-758. link.
 - (2024) "What Conceptual Engineering Can Learn From The History of Philosophy of Science: Healthy Externalism and Metasemantic Plasticity". HOPOS: The Journal of the International Society for the History of Philosophy of Science, 14(1), 1-24. link.
 - (2023) "Lakatosian and Euclidean Populations: a pluralist account of conceptual change in mathematics". *European Journal for Philosophy of Science*, 13, 37. link.
 - (2023) "Carnap's Geometrical Methodology: Explication as a transfer principle". Journal for the History of Analytic Philosophy, 11(4), link.
 - (2023) "Specialisation by Value Divergence: The role of epistemic values in the branching of scientific disciplines" (with Michele Luchetti). International Studies in the Philosophy of Science, 36(2), 121-141. link
 - (2022) "Taking Up Thagard's Challenge: A Formal Model Of Conceptual Revision" (with Sena Bozdag). Journal of Philosophical Logic, 51, 791-824. link.
 - (2022) "Explicating 'Explication' via Conceptual Spaces". Erkenntnis, 87, 853-889. link.
 - (2021) "Taming Conceptual Wanderings: Wilson-Structuralism". Synthese, 199, 13225-13246. link.
 - (2021) "Explication as a Three-Step Procedure: the case of the Church-Turing Thesis". European Journal for Philosophy of Science, 11, 1. link.
- Chapters in Books:

- (Forthcoming) "Higher-Order Evidence in Philosophy of Science" (with Peter Brössel). Accepted for publication in Shan, Y. (Ed.), *Integrating Philosophy of Science and Epistemology*, Springer, Cham.
- (2024) "Worlds, Algorithms, and Niches: the feedback-loop idea in Kuhn's philosophy" (with Michele Luchetti). In Shan, Y. (Ed.), *Rethinking Thomas Kuhn's Legacy*, Boston Studies in the Philosophy and History of Science, Springer, Cham, 103-120. link
- Book Reviews:
 - (2024) "The great chain of knowing". *Metascience*. link

Teaching

- as Instructor:
 - SS25 Philosophy of Science (with Gustavo Cevolani) (IMT School for Advanced Studies Lucca, graduate level).
 - WS24/25 Philosophy of Social Sciences (with Gustavo Cevolani) (IMT School for Advanced Studies Lucca, graduate level).
 - WS22/23 Scientific Revolutions (Ruhr University Bochum, graduate level).
 - WS22/23 Scientific Progress (University of the Republic, Montevideo, graduate level).
 - SS22 Epistemology (with Peter Brössel) (Ruhr University Bochum, undergraduate level).
 - WS20/21 Concepts: from philosophy to cognitive science (LMU Munich, undergraduate level, online).
 - WS19/20 Consistency, Incompleteness, and Undecidability (with Norbert Gratzl)
 (LMU Munich, graduate level)
- As Teaching Assistant:
 - SS20 Logik II (Instructor: Norbert Gratzl) (LMU Munich, undergraduate level, online).
 - WS18/19 Logik I (Instructor: Hannes Leitgeb) (LMU Munich, undergraduate level).
 - SS18 and SS19 Introduction to Computability (Instructor: Ivano Ciardelli) -(LMU Munich, graduate level).
 - SS18 Incompleteness (Instructor: Lavinia Picollo) (LMU Munich, graduate level).

Selected Recent Talks

• 11/06/2025 SILFS Postgraduate Conference (Turin) Brain Decoding and Operational Progress in Neuroscience (with Davide Coraci).

- 12/12/2024 "Language and the cognitive niche" Workshop (Pisa) The cognitive content of mathematical structures: the case of number concepts (with Lorenzo Rossi).
- 09/09/2024 EENPS 2024 (Krakow) Epistemic Niche Construction and Non-Epistemic Values.
- 27/06/2024 Philosophy of Science & Epistemology Conference (Hong Kong) Methodological Incommensurability and Higher-Order Evidence.
- 03/05/2024 Rationality & Cognition Workshop (Bochum)* Methodological Incommensurability and Higher-Order Evidence: A Bayesian Perspective (with Peter Brössel).
- 12/10/2023 How Should We Reason? Philosophical and Psychological Perspectives (Munich)
 The Normative Dimension of Logical Modeling (with Matias Osta-Velez).
- 09/10/2023 Logical Pluralism Workshop (Munich)* Logical norms, defeasible obligations, and pluralistic stances (with Alessandra Marra).
- 20/09/2023 EPSA 2023 (Belgrade) Epistemic Niche Construction in Science (with Michele Luchetti).
- 04/09/2023 SILFS 2023 (Urbino) Methodological Incommensurability: A Meta-Inductive Bayesian Perspective.
- 24/07/2023 CLMPST 2023 (Buenos Aires) The Normative Dimension of Logical Modeling (with Matias Osta-Velez).
- 24/07/2023 CLMPST 2023 (Buenos Aires) Sound and Feasible Inferences (with Alessandra Marra)
- 04/07/2023 IACAP 2023 (Prague) The Open Texture of Algorithm in Legal Language (with Davide Baldini).
- 16/06/2023 Models of Reasoning and Normativity (Bochum)* The Normative Dimension of Logical Modeling (with Matias Osta-Velez).
- 01/06/2023 Conceptual Spaces @ Work 2023 (Warsaw)* Conceptual Progress in Science: A Conceptual Spaces Perspective.
- 27/05/2023 Normativity, Logic, and Reasoning Workshop (Munich)* Sound and Feasible Inferences (with Alessandra Marra).
- 26/04/2023 Science & More Seminar (Turin)* Theoretical Concepts as Goal-Derived Concepts.
- 17/04/2023 Logik Café (Vienna)* Patches, Patchworks, and Epsilon Terms (with Elio La Rosa).
 - * =invited talk.

Services to the Profession

- Organization:
 - (17-19/09/2025) 21st Annual Conference of the Italian Association of Cognitive Science (Lucca, co-organizer)
 - (09/09/2024) "Social Epistemologies of Science" Symposium (EENPS24, co-organizer).
 - (02-03/05/2024) "Rationality & Cognition" Workshop (Bochum, co-organizer).
 - (27/07/2023) "Logic, Norms, and Reasoning" Symposium (CLMPST 2023, coorganizer)
 - (15-16/06/2023) "Models of Reasoning and Normativity" Workshop (Bochum, co-organizer)
 - (17-18/10/2022) "Concepts: Philosophical Perspectives" Workshop (Bochum, coorganizer).
 - (18/08/2022) "Cognitive Philosophy of Science" Symposium (EENPS2022, coorganizer)
 - (SS22, WS22/23, SS23, WS23/24) "Rationality and Cognition" Seminar (Bochum, co-organizer).
 - (20-21/06/2022) "Concepts and Reasoning" Workshop (Bochum, co-organizer).
- Referee for Mind, Erkenntnis, Review of Philosophy and Psychology, Inquiry, Synthese, European Journal for Philosophy of Science, Topoi, Linguistics and Philosophy, Acta Analytica, Frontiers in Psychology, Synthese Library, Blackwell Companions to Philosophy, Metascience, Philosophia, Philosophies, GAP.11, SILFS PG 25.

Fundings

- (2017-2021) LMUExcellent Doctoral Fellowship.
- (2016) Erasmus+ Mobility Grant (LMU Munich).
- (2014/2015, 2012/2013, 2011/2012) Merit and Productivity Fellowships from the University of Florence.

Language Skills

- Italian: native.
- English: fluent.
- German: very good command.
- Spanish: conversational.

References

- Prof. Dr. Dr. Hannes Leitgeb Munich Center for Mathematical Philosophy Ludwig-Maximilians-Universität München Geschwister-Scholl-Platz 1, 80539 München, Germany Hannes.Leitgeb@lmu.de
- Jun. Prof. Dr. Peter Brössel Department of Philosophy II Ruhr-Universität Bochum Universitätsstrasse 150, 44780 Bochum, Germany Peter.Broessel@rub.de
- Assoc. Prof. Gustavo Cevolani IMT School for Advanced Studies Lucca Piazza S.Francesco 19, 55100, Lucca, Italy gustavo.cevolani@imtlucca.it

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