

# Matteo De Benedetto

IMT School for Advanced Studies Lucca  
matteo.debenedetto@imtlucca.it  
<http://mttdebenedetto.scienceontheweb.net>

## 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.
- (2025-) **National Scientific Habilitation** (ASN) as Associate Professor of Logic, History and Philosophy of Science.
- (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:

- (Forthcoming) “Conceptual Progress in Science: Cognitive Enhancement and Pragmatic Optimization”. *Ergo: an Open Access Journal of Philosophy*.
- (Forthcoming) “Cognitive Modelism” (with Lorenzo Rossi). *Philosophia Mathematica*.
- (2025) “Truthlikeness and the inclusion fallacy” (with Gustavo Cevolani and Davide Coraci). *Thinking and Reasoning*, 1-24. [link](#).
- (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) “Bootstrapping Concepts via Hybridization: A step-by-step guide” (with Nina Poth). *Review of Philosophy and Psychology*, 16, 783-803. [link](#)
- (2025) “The Open Texture of ‘Algorithm’ in Legal Language” (with Davide Baldini). *AI & Society*, 40, 1643-1654. [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”. *HOPPOS: 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 Bozdog). *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:

- 2026 *Values in Science* - (IMT Lucca, graduate level).
- 2026 *Philosophy of Cognitive Science* - (IMT Lucca, graduate level).
- 2026 *Introduction to Epistemology* - (IMT Lucca, graduate level).
- 2025, 2026 *Philosophy of Science* (with Gustavo Cevolani) - (IMT Lucca, graduate level).
- 2025 *Philosophy of Social Sciences* (with Gustavo Cevolani) - (IMT Lucca, graduate level).
- 2023 *Scientific Revolutions* - (Ruhr University Bochum, graduate level).
- 2022 *Scientific Progress* - (University of the Republic, Montevideo, graduate level).
- 2022 *Epistemology* (with Peter Brössel) - (Ruhr University Bochum, undergraduate level).
- 2020 *Concepts: from philosophy to cognitive science* - (LMU Munich, undergraduate level, online).
- 2019 *Consistency, Incompleteness, and Undecidability* (with Norbert Gratzl) - (LMU Munich, graduate level)

- As Teaching Assistant:

- 2020 *Logik II* (Instructor: Norbert Gratzl) - (LMU Munich, undergraduate level, online).
- 2018 *Logik I* (Instructor: Hannes Leitgeb) - (LMU Munich, undergraduate level).
- 2018-2019 *Introduction to Computability* (Instructor: Ivano Ciardelli) - (LMU Munich, graduate level).
- 2018 *Incompleteness* (Instructor: Lavinia Picollo) - (LMU Munich, graduate level).

## Selected Recent Talks

- 05/12/2025 The Legacy of the Vienna Circle a Century On (Maribor)\*  
*Putting Tolerance back in its place: Carnap’s translational methodology in the Syntax years.*
- 17/11/2025 HKUST History and Philosophy of Science Lecture Series (Hong Kong)\*  
*A cognitive-pragmatic theory of conceptual progress in science.*
- 18/09/2025 AISC 2025 (Lucca)  
*Truthlikeness and the inclusion fallacy* (with Davide Coraci).
- 29/08/2025 EPSA 2025 (Groeningen)  
*Scientific committees and the problem of mixed epistemic standards* (with Michele Luchetti).
- 25/07/2025 SSHAP 2025 (Jena)  
*Carnap’s mid-methodology: the translation to the formal mode of speech.*
- 17/07/2025 BSPS 2025 (Glasgow)  
*Scientific committees and the problem of mixed epistemic standards* (with Michele Luchetti)

- 16/07/2025 BSPS 2025 (Glasgow)  
*Brain Decoding and Operational Progress in Neuroscience* (with Davide Coraci).
  - 11/06/2025 SILFS PG 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).
- \* = 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, co-organizer)
  - (15-16/06/2023) “Models of Reasoning and Normativity” Workshop (Bochum, co-organizer)
  - (17-18/10/2022) “Concepts: Philosophical Perspectives” Workshop (Bochum, co-organizer).
  - (18/08/2022) “Cognitive Philosophy of Science” Symposium (EENPS2022, co-organizer)
  - (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*, *Philosophy of Science*, *Erkenntnis*, *Review of Philosophy and Psychology*, *Inquiry*, *Synthese*, *European Journal for Philosophy of Science*, *Topoi*, *Linguistics and Philosophy*, *Philosophy & Technology*, *Acta Biotheoretica*, *Acta Analytica*, *Frontiers in Psychology*, *Philosophia*, *Philosophies*, *Metascience*, *Blackwell Companions to Philosophy*, *Synthese Library*.
- Referee for *GAP.11*, *SILFS PG 25*, *AISC25*, *Undone Computer Science 2026*.
- Member of the Editorial Board of the *Journal for the Philosophy of Mathematics*.

## 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 (C2 level).
- German: very good command (C1 level).
- Spanish: conversational (B1 level).

## 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
  - Prof. Gustavo Cevolani  
IMT School for Advanced Studies Lucca  
Piazza S.Francesco 19, 55100, Lucca, Italy  
gustavo.cevolani@imtlucca.it
  - Jun. Prof. Dr. Peter Brössel  
Department of Philosophy II  
Ruhr-Universität Bochum  
Universitätsstrasse 150, 44780 Bochum, Germany  
Peter.Broessel@rub.de
- Updated: January 1st, 2026.