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Alessandro Demichelis

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Education

Nov. 2020 - present

Ph.D. Student in Cognitive, Computational and Social Neuroscience, [IMT School for Advanced Studies](#), Lucca (IT), supervisor Prof. [Gustavo Cevolani](#) mail gustavo.cevolani@imtlucca.it

2025

Philosophy in Biology and Medicine, University of Bordeaux, 02-06/06/2025

2023

Game Theory Meets Game Design. IMT School for Advanced Studies Lucca, 02-10/06/2023

2022

Heuristics for the Management of Uncertainty and Complexity; Nudging, Boosting & Behavioral Insights. University of Milano-Bicocca, 21/06/2022-24/06/2022

International Rationality Summer Institute 2022. Ruprecht-Karls-Universität Heidelberg, 24/07/22-05/08/22

Fourth Urbino Summer School in Epistemology. Università di Urbino Carlo Bo, 29/08/22-01/09/22

2015 - 2018

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

Dissertation: [“An Epistemic Approach to Vaccine Hesitancy”](#) Supervisors: Proff. Alessandro Pagnini, Matteo Galletti

Final Mark: 110/110 cum laude

2011-2014

Laurea Triennale (B.A.) in Philosophy, University of Turin (IT) Dissertation: “Simmelweis and his opponents: some philosophical analyses” (in italian)

Supervisor: Prof. Vincenzo Crupi

Final Mark: 107/110

Publications

2025

- **Demichelis, A.** (2025). The Danger of Precision Medicine Hesitancy. *Global Philosophy*, 35,13, [link to doi](#)

2024

- **Demichelis, A.**, Ongaro, M. (2024). Public understanding and scientific uncertainty: The communication of risk in the L'Aquila earthquake. *AIMS Geosciences*, 10(3), 540-552, [link to doi](#)
- Marini, M., **Demichelis, A.**, Menicagli, D., Mancini, G., Panizza, F., Bilancini, E., Cevolani, G. (2024). I want to be safe: understanding the main drivers behind vaccination choice throughout the pandemic. *BMC Public Health* 24, 1111, [link to doi](#)
- Marini, M., Ansani, A., **Demichelis, A.**, Mancini, G., Paglieri, F., Viola, M. (2024). Real is the new sexy: the influence of perceived realness on self-reported arousal to sexual visual stimuli. *Cognition & Emotions*, 38(3), 348-360 [link to doi](#)
- Avitabile, P., **Demichelis, A.** (2024). Expanding Epistemic Public Trust. What Role for Expert-Lay Communication? *Philosophical Inquiries*, 12,1, [link to doi](#)
- **Demichelis, A.**, Marini, M., Menicagli, D., Mancini, G., Bilancini, E., Panizza, F., Bellandi, T., Boncinelli, L., Pin, P., Galletti, G., Caldesi, R., Cevolani, G. (Forthcoming in *Journal of Public Health Research*). What leads to vaccine compliance? Evidence from health-care workers.

2023

- Coraci, D., **Demichelis, A.**, Cevolani, G. (2023). Understanding and Communicating Risk: The Case of COVID-19. In: Bellandi, T., Albolino, S., Bilancini, E. (eds) *Ergonomics and Nudging for Health, Safety and Happiness. SIE 2022. Springer Series in Design and Innovation*, vol 28. Springer, Cham. [link to doi](#)
- **Demichelis A.**, Coraci D. (2023) Fare i conti con l'incertezza: le frequenze naturali. *Sistemi intelligenti, Rivista quadrimestrale di scienze cognitive e di intelligenza artificiale*, 1/2023, pp. 83-103, [link to doi](#)

2022

- **Demichelis A.**, "Tipi di Giochi", In: "Report New Frontiers in Gaming", Intesa Sanpaolo Innovation Center

2018

- **Demichelis, A.** (2018). Understanding Vaccine Hesitancy. *Mefisto*, vol. 2, 2, 2018, pp. 17-42 [link to Abstract](#)

International Conferences, speaker

2025

- Precision Medicine and Wearable Medical Devices: Promises and Dangers *SILFS Postgraduate Conference 2025*, Torino 11-13/06/2025

2024

- Real Is The New Sexy *20th Annual Conference of the Italian Association for Cognitive Sciences*, Rome 18-20/09/2024

2023

- Should we Trust Arguments Ab Auctoritate? *The Role of Experts in Democratic Societies. In Honor of Paul Feyerabend.*, Lucca 16/06/2023
- Bridging the Gap Between Information and Trust in Scientific Communication. *Reading the Book of Nature Across Sciences, History and Philosophy*, Firenze 29/06/2023; *SILFS 2023*, Urbino 4-7/09/2023; *SIFA 2023*, Alessandria 7-9/09/2023; *EPSA 2023*, Belgrad, 20-23/09/2023
- How to avoid precision medicine hesitancy. *LICPOS2023*, Lisbon 12/07/2023
- The Cognitive Foundations of Antibiotics Resistance: a study on Perception, Knowledge, and Antibiotic Prescriptions. *19th AISC*, Genova 14-16/12/2023

2022

- Beliefs and intentionality change towards the vaccine campaign in perspective of the second booster dose administration: a multi-scales survey-based Italian questionnaire. *18th AISC*, Rovereto 15-17/12/2022

2021

- Vaccine Hesitancy and Trust: Lessons from the COVID-19 Pandemic. *Sas21*, High-Performance Computing Center Stuttgart 29/10/2021

Refereeing Activity

Journals: Argumenta, Memory&Cognition, Mind&Society, Journal of Theoretical Social Psychology, Philosophical Inquiries, Synthese, Mefisto

Conferences: CogSci2023, Sidney; AISC 2023, Genova; CogSci2024, Rotterdam; Cogsci2025, San Francisco; SPUDM 2025, Lucca; AISC 2025, Lucca

Conference Organization

SILFS Postgraduate 2025 - Società Italiana di Logica e Filosofia della Scienza

SPUDM 2025- Subjective Probability, Utility, and Decision Making

AISC 2025 - Associazione Italiana di Scienze Cognitive

Collaborations and Visiting

Oct 2024 - Feb 2025

Visiting period at Department of History and Philosophy of Science, University of Cambridge, tutor Prof. Stephen John

Jan - Mar 2023

Visiting period at the CFCUL Centro de Filosofia das Ciências da Universidade de Lisboa, University of Lisbon, tutor Prof. Lorenzo Baravalle

2021- 2023

SpinGeVacS - Spinta gentile, Vaccinazione anti CoViD-19 e Salute Pubblica (Nudge, CoViD-19 Vaccination and Public health) - Project funded by Regione Toscana, in collaboration with ARS Toscana, Asl Toscana Nord-Ovest and Asl Toscana Sud-Est

Nov. 2017

Internship period at the MCMP in Munich, collaboration with the ERC project “[Philosophy of Pharmacology: Safety, Statistical Standards, and Evidence amalgamation](#)”, PI Prof. Barbara Osimani

Third Mission

2025 Nuove strategie per una comunicazione efficace in ambito vaccinale, *PFA di Formazione Residenziale*, Ospedale di Chivasso 20-02-2025

2023 Voglio sentirmi al sicuro: I principali fattori alla base della scelta della vaccinazione durante la pandemia, *ARS Toscana Nudge Day 5 Spingelab*, 22-11-2023

2022: BRIGHT Night

Comprendere e comunicare il rischio: il caso del COVID-19, *ARS Toscana Nudge Day Stagione 4*, 14/10/2022

Nudge vs Boost: Tecnologie cognitive a confronto per l'economia comportamentale, *WudSIE*, 07/11/2022 Lucca

2021: Brain Awareness Week: [Giochi di Testa](#); BRIGHT Night

Skills

Languages

- English: C2
- French: A2
- German: B2
- Spanish: A2

Computer software

- LaTeX text editor
- MatLab
- Stata

Misc

- 3 years of Mixology
- Certified Forklift Operator