

CV MATTIA ANDREOLETTI 2021

Personal Information

Mattia Andreoletti

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Web of Science ResearcherID: AAA-1738-2020 ^[i]_[SEP]

Academic positions

- 2022 – today Postdoctoral Researchers, Department of Health Sciences and Technology, ETH Zurich, Zurich, Switzerland.
- 2020 – 2022 Postdoctoral Fellow, Faculty of Philosophy, Vita-Salute San Raffaele University, Milan, Italy.
- 2018 – 2020 Postdoctoral Fellow (ERC Starting Investigator Grant No. 640638), Department of Philosophy and Educational Sciences, University of Turin, Turin, Italy.
- 2018 – today Adjunct Professor, Department of Biomedical, Surgical, and Dental Sciences, University of Milan, Milan, Italy.
- 2017 – today Honorary Fellow, Department of Biomedical, Surgical, and Dental Sciences, University of Milan, Milan, Italy.

Education

- 01/01/2014 - 26/03/2018 PhD in System Medicine - Foundations of Life Sciences and Their Ethical Consequences (FOLSATEC), European Institute of Oncology (IEO), European School of Molecular Medicine (SEMM), University of Milan (UNIMI), Milan. Dissertation: *Clinical trials and drug regulation: a philosophical inquiry*.
- 21/03/2013 Master's degree in Philosophy [cum laude], University of Eastern Piedmont, Vercelli.
- 15/12/2010 Bachelor's degree in Philosophy, University of Eastern Piedmont, Vercelli.

Professional experience

- 2018 – External consultant and scientific writer, Methodos - Pharma & Healthcare, Milan.
- 2018 – Science communication, Humanitas Research Hospital and University, Milan.

Teaching experience

- 2020/2021 Teaching, PhD in Molecular and Experimental Medicine, Humanitas Research Hospital and University, Milan.
- 2020/2021 Teaching, PhD in Clinical Research, University of Milan.
- 2018 – today Adjunct Professor, Department of Biomedical, Surgical, and Dental Sciences – University of

Milan: Philosophy of Evidence-Based Medicine.

- 2018 – 2020 Faculty, CLaSTer – La comunicazione della Ricerca Scientifica (corso di formazione per dottorandi e ricercatori), University of Trento.
- 2018 – Faculty at 17th ESO-ESMO Masterclass in Clinical Oncology, Berlin: Ethical Dilemmas Workshop.

Funding

- Juan de la Cierva-Formacion, 2 years fellowship, University of Valencia [declined].
- Mobilitas Plus postdoctoral researcher grant, 2 years fellowship, Tallin University [declined].

Commissions of Trust

- Member of the Ethical Board, Research Project: UniCanVax, Humanitas Research Hospital and University, Milan.
- Reviewers for major journals in philosophy of science (EJPS, PHILOSOPHY OF SCIENCE, SYNTHESIS, STUDIES IN HISTORY AND PHILOSOPHY OF SCIENCE, FOA, TOPOI, etc.).

Publications

Papers

- Andreoletti M. & Bina F. (under review). A defense of surgical regulation, *Theoretical Medicine and Bioethics*.
- Andreoletti M. & Sikorski M. (under review). Epistemic and Social Functions of Replicability, *The Journal for General Philosophy of Science*
- Andreoletti M. (2022). Why do we need Randomized Controlled Trials?, *The Future of Science and Ethics*.
- Andreoletti M. (2021). Randomistas and methodological fetishism. Lessons from covid-19 pandemic, *HUMANA.MENTE Journal of Philosophical Studies*, 14(40), 149-162
- Martini C. & Andreoletti M. (2022). Genuine vs. manufactured controversies: the case of statins, *History and Philosophy of Life Sciences*.

Andreoletti, M., Chiffi, D., & Taebi, B. (2022). Severe Uncertainty in Science, Medicine, and Technology. *Perspectives on Science*, 1-9.

- Ongaro M. & Andreoletti M. (forthcoming) Non-empirical uncertainties in Evidence-Based Policy, *Perspectives on Science*.
- Andreoletti, M. & Sprenger, J. (forthcoming). Introduction to the Topical Collection: Philosophical Perspectives on the Replicability Crisis, *European Journal for Philosophy of Science*.
- Andreoletti M. (2021). Replicability Crisis and Scientific Reforms: Overlooked Issues and Unmet Challenges, *International Studies in the Philosophy of Science*.
- Mattia Andreoletti (2020) Care & Cure. An Introduction to Philosophy of Medicine, *International Studies in the Philosophy of Science*.
- Chiffi, D., & Andreoletti, M. (2019). What's Going to Happen to Me? Prognosis in the Face of Uncertainty. *Topoi*, 1-8.
- Chiffi, Daniele, & Andreoletti M. (2019) "Forme di Evidenza e Asserzioni Mediche." (2019): 79-86. *L'Arco di Giano: Rivista di Medical Humanities*.
- Andreoletti, M, & Maugeri P. (2019), Does philosophy need medicine?, *Oral Disease*

- Andreoletti, M., & Rescigno M. (2019), Microbiota-gut-brain research: a plea for an interdisciplinary approach and standardization, *Behavioral and Brain Sciences*.
- Andreoletti, M., & Teira, D. (2019). Rules versus Standards: What Are the Costs of Epistemic Norms in Drug Regulation? *Science, Technology, & Human Values*.
- Andreoletti M. (2018), More than one way to measure? A casuistic approach to cancer clinical trials, *Perspectives in Biology and Medicine*, Volume 61, Number 2, Spring 2018, pp. 174-190
- Andreoletti M., Berchiolla P., Boniolo G., Chiffi D. eds. (2018), Introduction to the Special Issue: “Foundations of Clinical Reasoning: An Epistemological Stance”, *Topoi*.
- Andreoletti M. & Oldofredi A. (2018), We are all Bayesian, everyone is not a Bayesian, (“Foundations of Clinical Reasoning: An Epistemological Stance”, *Topoi*.
- Boniolo G., Andreoletti M., Boem F., Ratti E. (2017), The main faces of robustness, *Dialogue & Universalism*, No. 3/2017, pp. 157-173.
- Andreoletti M., L’affidabilità della ricerca biomedica (2016), *Recenti Progressi in Medicina*, 107(12):622-627.
- Andreoletti M. (2016), Reproducibility: Hallmark labs with a replicability record, *Nature* 537, 34.
- Andreoletti M., Science and Truth (2016), e-letter in Goodman, S. N., Fanelli, D. & Ioannidis, J. P. What does research reproducibility mean? *Sci. Transl. Med.* 8, 341ps12–341ps12.
- Boem F., Ratti E., Andreoletti M., Boniolo G., Why genes are like lemons (2016), *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 57 (June 2016):88-95).

Book chapters

- Andreoletti, M. (forthcoming), Theory in Medicine, Contemporary, *The SAGE Encyclopedia of Theory in Science, Technology, Engineering, and Mathematics*.
- Chiffi D. & Andreoletti M. (forthcoming). Abduction in prognostic reasoning, *Handbook of Abductive Reasoning*
- Andreoletti M. & Teira D., Statistical evidence and the reliability of biomedical research (in book: eds. Solomon M., Simon JR., Kincaid H., *The Routledge Companion to Philosophy of Medicine*, Routledge, 2016).

Editorial experience

- Part Editor, Abduction and Medicine: Diagnosis, Treatment and Prevention, *Springer Handbook of Abductive Cognition* (2022/2023).
- Guest Editor (w. Daniele Chiffi, Behnam Taebi), Severe Uncertainty in Science, Medicine and Technology, *Perspectives on Science* (forthcoming).
- Guest Editor (w. Jan Sprenger), Topical Collection: Philosophical Perspectives on the Replicability Crisis, *European Journal for Philosophy of Science*. (forthcoming).
- Andreoletti M., Berchiolla P., Boniolo G., Chiffi D. (editors), “Foundations of Clinical Reasoning: An Epistemological Stance”, *Topoi* (2018).
- Andreoletti, M. (2018), VALORE ISF – L’informazione scientifica nella società della conoscenza, ContrastoBooks, ISBN: 978-88-6965-769-6. [pdf available upon request]

Conferences/Presentations/Posters

- Addressing the problem of extension: Progressive Science vs. Pseudoscience (w. Carlo Martini), 8th STS ITALIA CONFERENCE, 17-19 June 2021, Trieste, Italy.
- Non-Epistemic Uncertainties in Evidence-Based Policy (w. Malvina Ongaro), 14-18 September 2020, ENPOSS, Université Toulouse-Jean Jaurès, Toulouse, France.
- Philosophy in Science, Statistical Reasoning and Scientific Error, 15-19 July 2020, Castelveccana, Italy
- Non-Epistemic Uncertainties in Evidence-Based Policy (w. Malvina Ongaro), Science & More Talks, 22 April, online seminar.
- The terrorists and the czars. Methodological versus social solutions to the replicability crisis, EPSA19, 11-14 September 2019, Geneva.
- Epistemic and Social Functions of Replicability (w. Michal Sirkoski), Statistical Reasoning and Scientific Error, 1-4 July 2019, Munich.
- What are drugs?, 8th International Roundtable of Philosophy of Medicine, 20-21 June 2019, Paris
- The meanings of replicability, Science & More Talks, 27 September 2018, University of Turin.
- Rules versus standards in drug regulation (w. David Teira), 26th Biennial Meeting of the PSA, 1-4 November 2018, Seattle.
- Rules versus standards in drug regulation (w. David Teira), Science & More Talks, 25 May 2018, University of Turin.
- “Beyond the replicability crisis: how to foster good research practices in order to pursue quality”, PhD Networking Day 2017, 19 October 2017, Campus IFOM-IEO, Milan [poster].
- “Assessing Causality of Adverse Events During Early-Phase Cancer Clinical Trials: A Philosophical Perspective” (w. M. Benzi), 7th International Philosophy of Medicine Roundtable, 23-24 June 2017, University of Toronto.
- “Beyond the replicability crisis: how to foster good research practices in order to pursue quality”, 5th World Conference on Research Integrity, May 28 - 31, 2017, VU Medical Center Amsterdam [Poster].
- “Beyond the replicability crisis: how to foster good research practices in order to pursue quality”, Masterclass with Prof. John Ioannidis, 18 November 2016, AMC Amsterdam.
- “Come cambia la ricerca e la cura dei tumori nell’era della medicina di precisione”, 24 September 2016, Trieste Next 2016, Trieste [Panelist].
- “Why genes are like lemons” (w. F. Boem, E. Ratti, G. Boniolo) 30 May 2016, III Postgraduate conference on logic and philosophy of science, University of Urbino.
- “The reliability of biomedical research”, 20 May 2016, Philosophy of Science in a Forest.
- “The reliability of biomedical research”, 11 May 2016, Research Seminar in Epistemology and Philosophy of Science, TiLPS, Tilburg [Invited].
- “Statistical evidence and the reliability of medical research” (w D. Teira), 13 April 2016, Medical Humanities Research Cluster at the University of Bristol (UK).
- “The reliability of biomedical research”, 6 April 2016, Campus IFOM-IEO [Evaluated public seminar].
- “Cancer trials: history, evolution and new challenges”, 27 November 2015, Department of Health Sciences and Translational Medicine – University of Eastern Piedmont [Invited speaker].

- “Analysis of the role of the big data approach in biomedical innovation”, 17 September 2015, SISMEC National Meeting – University of Turin, [Poster].
- Symposium: A crisis of confidence in the experimental social and biomedical sciences? [with] Diaz, Alex (UNED), Teira, David (UNED), Jiménez Buedo, María (UNED), Bakker, Marjan (Tilburg University), 8SLMFCE, Barcelona 7-10 July 2015.
- “The reliability of biomedical research: statistical evidence and replicability crisis”, 20 May 2015, Department of Human Studies - University of Eastern Piedmont [Language, mind and science seminars].
- “Journeys of the mind: philosophers’ experiments”, 10 March 2012, Department of Human Studies - University of Eastern Piedmont [Philosophy festival].

Other activities

- Organizer of the workshop “Statistical Reasoning and Scientific Error 3”, 15-19 July 2020, Castelvecana, Italy.
- Organizer of the symposium “New perspectives on Scientific Objectivity”, EPSA19, 11-14 September 2019, Geneva, Switzerland.
- Organizer of the workshop “Statistical Reasoning and Scientific Error 3”, 1-4 July 2019, Munich, Germany.
- Host of Thomas Pradeu’s seminar: “What is an Individual? Immunology, the Microbiota, and Discontinuity Theory”, Campus IFOM-IEO, Milan, 26 September 2016.
- Visiting student at University of Amsterdam, Amsterdam School for Cultural Analysis, and Institute for Logic, Language and Computation, May-July 2016.
- Organizer of the workshop “Causality and evidence in medicine and philosophy”, 12 June 2015, Department of Human Studies University of Eastern Piedmont.