

Davide Serpico

Personal Information

Family Name: Serpico
First Name: Davide

Education

Mar 2014-Jan 2018 **Ph.D. Philosophy**, North-western Italian Philosophy Consortium (FINO), IT
Examiners: Andrea Borghini, John Dupré
Advisors: Marcello Frixione, Cristina Meini
Dissertation: *A Philosophical Analysis of General Intelligence*

Oct 2011-Oct 2013 **M.A. Philosophy**, University of Genoa, IT
Honours: *Summa cum laude*
Advisors: Antonio Guerci, Marcello Frixione, Silvia Viaggi
Dissertation: *The Heritability of IQ*

Sep 2008- Nov 2011 **B.A. Philosophy**, University of Genoa, IT
Honours: *Summa cum laude*
Advisors: Nicla Vassallo, Marcello Frixione, Cristina Amoretti
Dissertation: *Thought Experiments. Thinking in the Limits of Possibility*

Research Activities

Jun-Aug 2021 **Postdoctoral Researcher**
Department of Classics, Philosophy and History, University of Genoa, IT

May 2019-Jul 2020 **Postdoctoral Researcher**
Department of Classics, Philosophy and History, University of Genoa, IT

Feb-Apr 2020 **Visiting Scholar**
Leverhulme Centre for the Future of Intelligence, University of Cambridge, UK
Sponsor: Marta Halina

May 2018-Apr 2019 **Postdoctoral Fellow**
Department of Classics, Philosophy and History, University of Genoa, IT

Mar-Jun 2018 **Visiting Research Fellow**
School of Philosophy, Religion and History of Science, University of Leeds, UK
Sponsor: Gregory Radick

Jul-Sep 2017 **Visiting Scholar**
Department of Evolutionary Studies and Biosystems, SOKENDAI, Hayama, JP
Supervisor: Yukinori Onishi

Jan-Feb 2017 **Visiting Scholar**
Egenis (The Centre for the Study of Life Sciences), University of Exeter, UK
Supervisor: John Dupré

Oct-Nov 2016
Supervisor: John Dupré

Apr-Jun 2016

Fellowships, Grants and Awards

2020	Mobility Grant: Visiting at the Leverhulme Centre for the Future of Intelligence, University of Cambridge, UK (from the University of Genoa, IT)
2018-2019	Travel Grant: International Conferences (from the University of Genoa, PRIN Project “Il problema dell’indeterminatezza: Significato, conoscenza e azione”)
2018	Research Grant: British Society for the History of Science, UK
2017	Mobility Grant: Visiting at the Graduate University for Advanced Study, JP (from the University of Turin, IT)
2016-2017	Mobility Grant: Visiting at the University of Exeter, UK (from the North-western Philosophy Consortium, IT)
2014-2017	Travel Grant: International Conferences (from the North-western Philosophy Consortium, IT)
2015	Travel Grant: Summer School “Patterns and Models” (from CISFIS-Uniser), Pistoia, IT
2014	PhD Scholarship, North-western Philosophy Consortium, IT

Publications

Peer-reviewed Publications

1. Serpico D. (2022). L’intelligenza tra generalità, integrazione e controllo cognitivo. *Rivista Internazionale di Filosofia e Psicologia*, 13(1), 66-71. <https://doi.org/10.4453/rifp.2022.0006>
2. Onishi Y. & Serpico D. (2022). Homeostatic Property Cluster Theory without Homeostatic Mechanisms: Two Recent Attempts and their Costs. *Journal for General Philosophy of Science*, 53, 61-82. <https://doi.org/10.1007/s10838-020-09527-1>
3. Amoretti, M. C., Lalumera, E., & Serpico, D. (2021). The DSM-5 Introduction of the Social (Pragmatic) Communication Disorder as a new mental disorder: A philosophical review. *History and Philosophy of the Life Sciences*, 43, 108. <https://doi.org/10.1007/s40656-021-00460-0>
4. Serpico D. & Amoretti M. C. (2021). Covid-19 & Ageing: Four Alternative Conceptual Frameworks. *History and Philosophy of the Life Sciences*. <https://doi.org/10.1007/s40656-021-00439-x>
5. Serpico D. (2021). The Cyclical Return of the IQ Controversy: Revisiting the Lessons of the Resolution on Genetics, Race and Intelligence. *Journal of the History of Biology*, 54, 199-228. <https://doi.org/10.1007/s10739-021-09637-6>
6. Borghini A. & Serpico D. (2021). Introduction: Understanding Hunger. *Topoi*, 40, 503-506. <https://doi.org/10.1007/s11245-021-09746-1>
7. Demori I, Piccinno T, Saverino D, Luzzo E., Ottoboni S., Serpico D., Chiera M. & Giuria R. (2021). Effects of winter sea bathing on psychoneuroendocrinoimmunological parameters. *Explore: The Journal of Science & Healing*, 17(2), 122-126. <https://doi.org/10.1016/j.explore.2020.02.004>
8. Serpico D., Amoretti M. C. & Frixione M. (2020). The Spirit of Cocktails: On the Conceptual Structure of Cocktail Recipes. *Humana.Mente*, 13(38), 37-59. ISSN: 1972-1293
9. Serpico D. & Borghini A. (2020). From Obesity to Energy Metabolism: Ontological Perspectives on the Metrics of Human Bodies. *Topoi*, 40, 577-586. <https://doi.org/10.1007/s11245-020-09722-1>
10. Serpico D. (2020). Beyond Quantitative and Qualitative Traits: Three Telling Cases in the Life Sciences. *Biology and Philosophy*, 35(3), 1-26. <https://doi.org/10.1007/s10539-020-09750-6>
11. Serpico D. & Frixione M. (2018). Can the *g* Factor Play a Role in Artificial General Intelligence Research? *Annual Convention of the Society for the Study of Artificial Intelligence and the Simulation of Behaviour*, 301-305. ISBN: 978-1-5108-7276-9
12. Serpico D. & Frasnelli E. (2018). When the Standard Approach in Comparative Neuroscience Fails and When It

Works: General Intelligence and Brain Asymmetries. *Comparative Cognition & Behavior Reviews*, 13, 95-98.
<https://doi.org/10.3819/CCBR.2018.130010>

13. Serpico D. (2018). What Kind of Kind Is Intelligence? *Philosophical Psychology*, 31(2), 232-252.
<https://doi.org/10.1080/09515089.2017.1401706>

Invited Articles

14. Serpico D. (2020). La differenza tra ereditarietà ed ereditabilità nello studio dei tratti psicologici. *Medicalive Magazine*, 6(1), 7-21. ISSN: 2421-2180
15. Serpico D. (2019). Book-review of V. Tripodi (ed.), *Philosophy and Medicine*, 2016. *Rivista Internazionale di Filosofia e Psicologia*, 10(1), 94-97. <https://doi.org/10.4453/rifp.2019.0007>
16. Serpico D. (2016). Le basi dell'intelligenza. Due modi di ragionare su geni e ambiente. *PNEI NEWS*, 5, 13-16.
17. Serpico D., Costa L. & Rasino D. (2014). La riproduzione come fine ultimo degli organismi viventi. Genealogia di un paradigma economico. *Naturalmente* 3/4, 4-10. ISSN: 1128-6334

Published Conference Papers

18. Serpico D. (2015). Esiste davvero l'intelligenza generale? Prospettive dalle scienze cognitive. *NeaScience*, 9, 216-219. ISSN: 2282-6009
19. Serpico D. (2014). Scienze cognitive e genetica del comportamento. Un confronto tra modelli dell'intelligenza. *NeaScience*, 5, 315-319. ISSN: 2282-6009

Books and Edited Volumes

20. Serpico D. (2022). *L'Intelligenza tra natura e cultura*. Turin: Rosenberg & Sellier. ISBN: 9791259930507
21. Amoretti M. C. & Serpico D. (2022). *Filosofia della scienza: Parole chiave*. Rome: Carocci. ISBN: 9788829012305
22. Borghini A. & Serpico D. (Eds.) (2021). *Understanding Hunger: Philosophical, Psychological and Medical Perspectives*. *Topoi*, 40(3).

Translations

23. Solerio A., Serpico D. & Caramella A., *I pronomi cosmologici e il prospettivismo amerindio*. In AA.VV. (2014). *Mondi Multipli. Volume 2. Lo Splendore dei Mondi*. Lecce: Kaiak Edizioni. ISBN: 978-8894484793; Italian translation of Viveiros de Castro, E. (1998). *Cosmological Deixis and Amerindian Perspectivism*.
24. Solerio A., Serpico D. & Caramella A., *Immanenza e paura*. In AA.VV. (2014). *Mondi Multipli. Volume 1. Oltre la Grande Partizione*. Lecce: Kaiak Edizioni. ISBN: 978-8891150943; Italian translation of Viveiros de Castro, E. (2012). *Immanence and Fear*.

Organisation of Scientific Meetings

May 2022	Member of Organising Committee of the Conference "Bioethics Meets Philosophy of Science", Interdisciplinary Centre for Ethics, Jagiellonian University, Krakow, PL
2019-2020	Organiser and Coordinator of the Undergraduate Seminar "Epilog-Science: Philosophy & Artificial Intelligence", Dept. of Classics, Philosophy and History, University of Genoa, IT
Jul 2019	Organiser of the Symposium "New Historical and Philosophical Perspectives on Quantitative Genetics", ISHPSSB Biennial Conference, University of Oslo, NO
May 2019	Co-organiser of the Conference "Philosophical Perspectives on Medical Knowledge", University of Genoa, IT
May 2019	Member of the Organising Committee of the Workshop "Linguaggio e Medicina", Models of Mind Annual Meeting, University of Genoa, IT
2018-2019	Co-organiser and Coordinator of the Undergraduate Seminar "Epilog-Science: Philosophy, Artificial Intelligence, and Biomedicine", Dept. of Classics, Philosophy and History, University of Genoa, IT

Nov 2018	Co-organiser of the Workshop “Measuring Hunger”, University of Milan, IT
Jun 2018	Co-organiser of the Symposium “What Role for Cognitive Science in Modern AI Research?”, Italian Association of Cognitive Science (AISC) Mid-term Conference, University of Genoa, IT
Jun 2018	Member of the Organising Committee of the Conference “Levels of Cognition”, Italian Association of Cognitive Science (AISC) Mid-term Conference, University of Genoa, IT
2017-2018	Member of the Organising Committee of the Undergraduate Seminar “Levels of Explanation, Levels of Organisation”, Dept. of Classics, Philosophy and History, University of Genoa, IT
Jun 2017	Member of the Organising Committee of the Workshop “Mechanisms in Biology, Medicine, and Psychiatry”, Dept. of Classics, Philosophy and History, University of Genoa, IT

Public Engagement & Scientific Communication

Jan 2022	Interview: “Filosofia della scienza: parole chiave”, <i>Lettere.org</i>
Nov 2019	Talk for High School Students: “Filosofia delle Scienze. Introduzione all’interazione tra scienza umane, sociali e naturali”. High School of Human Sciences G. Mazzini, La Spezia, IT
Jun 2017	Public Talk: “Geni e organismi: Andata e ritorno”. Italian Society of Psycho Neuro Endocrino Immunology (SIPNEI) Conference, Starhotel President, Genoa, IT
Jun 2017	Public Conference Organisation: “Geni e Sregolatezza. Evoluzione, Epigenetica e Sviluppo per una Medicina Integrata”. Starhotel President, Genoa, IT
Feb 2016	Public Conference Organisation: “Cibo per il corpo, cibo per la mente”. Starhotel President, Genoa, IT
Nov 2015	Public Talk: “Ambiente e salute”. Criomare Annual Conference. Museo del Mare, Genoa, IT
Dec 2014	Public Talk: “Leggere la scienza con coscienza”. Criomare Annual Conference, Museo del Mare, Genoa, IT

Invited Talks

Oct 2021	Quantitative Traits in Psychiatry and the Concept of Threshold PhilHeaD-RAD Online Seminar, University of Rijeka, HR
Oct 2021	Quantitative Traits in Psychiatry and the Concept of Threshold Institute of Philosophy, Jagiellonian University, PL
Apr 2019	General Intelligence: Psychological and Ontological Issues Dept. of Philosophy, University of Parma, IT
May 2018	Can Quantitative Genetics Account for Behavioural Phenotypic Traits? HPS Work-in-Progress Seminar, University of Leeds, UK
Oct 2017	General Intelligence: Biological, Cognitive and Ontological Aspects. Dept. of Philosophy, University of Bologna, IT
Feb 2017	The Quantitative Genetic View: A Critical Evaluation Biological Interest Group, Egenis (The Centre for the Study of Life Sciences), University of Exeter, UK
Dec 2016	General Intelligence: A Philosophical Analysis Dept. of Psychology, University of Genoa, IT
Jun 2016	What Kind of Kind is Intelligence? Process Biology Seminar, Egenis (The Centre for the Study of Life Sciences), University of Exeter, UK
Jan 2016	The Modern Synthesis and Its Extensions Italian Society of Psycho Neuro Endocrino Immunology (SIPNEI) Seminar, Genoa, IT
Oct 2015	Intelligence and Cognition Dept. of Humanities, University of Eastern Piedmont, IT

Talks at Conferences & Workshops

- May 2022 Categories versus Dimensions in Psychiatry: A Hybrid and Value-sensitive Alternative (with V. Petrolini)
Bioethics Meets Philosophy of Science Conference, Jagiellonian University, PL
- Nov 2021 Specificity and Generality in Biological and Artificial Intelligence
Kinds of Intelligence Workshop, Leverhulme Centre for the Future of Intelligence, University of Cambridge, UK
- Jul 2019 How a Theory of Phenotypes Became a Theory of Genotypes and What This Implied for Genetics
International Society for the History, Philosophy and Social Studies of Biology (ISHPSSB) Biennial Conference, University of Oslo, NO
- Nov 2018 Is Obesity a Phenotypic Trait? (with A. Borghini)
Measuring Hunger Workshop, University of Milan, IT
- Sep 2018 Cognitive Phenotypes and Genetic Causation: A Multilevel Analysis
Causality in the Neuro- and Psychological Sciences Conference, University of Antwerp, BE
- Sep 2018 Psychological Traits and Genetic Causation: Guidelines for Defining Phenotypic Traits
European Society of Philosophy and Psychology (ESPP) Annual Conference, University of Rijeka, HR
- Aug 2018 Genetic Causation and Behaviours: Guidelines for Defining Phenotypic Traits
Society for the Metaphysics of Science (SMS) Annual Conference, University of Milan, IT
- Jun 2018 Cognitive Phenotypes and Genetic Causation: A Multilevel Analysis
Italian Association of Cognitive Science (AISC) Mid-term Conference, University of Genoa, IT
- Apr 2018 Can the *g* Factor Play a Role in Artificial General Intelligence Research?
Society for the Study of Artificial Intelligence and Simulation of Behaviour (AISB) Conference, University of Liverpool, UK
- Jun 2017 Qualitative and Quantitative Genetics Analyses. Issues in Contemporary Models. (with F. Fabris)
Italian Society for Logic and Philosophy of Science (SILFS) Conference, University of Bologna, IT
- Sep 2016 What Kind of Kind is Intelligence?
Italian Society of Analytic Philosophy (SIFA) Annual Conference, University of Pistoia, IT
- Jul 2016 What Kind of Kind is Intelligence?
FINO-SIFA Graduate Conference: Between Natural, Social and Artificial Kinds, University of Genoa, IT
- Dec 2015 Esiste davvero l'intelligenza generale? Prospettive dalle scienze cognitive (poster)
Italian Association of Cognitive Science (AISC) Annual Conference, University of Genoa, IT
- May 2015 Psychiatric Nosography and the Naturalisation of Mental Disorders
Dept. of Classics, Philosophy and History, University of Genoa, IT
- Dec 2014 Cognitive Science and Behavioral Genetics: A Comparison Between Models of Intelligence
Italian Association of Cognitive Science (AISC) Annual Conference, University of Roma Tre, IT

Teaching Activities

- 2020-2021 Guest Lecturer, *Philosophy of Science* (M.A. in Philosophy) [2h], University of Parma. Topic: Quantitative & Qualitative Traits.
- 2020-2021 Guest Lecturer, *Philosophy of Science* (M.A. in Philosophy) [2h], University of Genoa. Topic: Genetics of inheritable diseases.
- 2019-2020 Module Leader, *Philosophy of Human Sciences* (M.A. in Philosophy) [36h], University of Genoa. Responsibilities: planning the course syllabus, delivering lectures; students' assessment. Topics: Relationship between human, social, and natural sciences; Reductionism and interdisciplinarity; Determinism; Nature and Nurture.
- 2018-2019 Guest Lecturer, *Philosophy of Mind* (B.A. in Philosophy) [2h], University of Genoa. Topic: Behaviourism.

2018-2019	Module Leader, <i>Philosophy of Human Sciences</i> (M.A. in Philosophy) [36h], University of Genoa. Responsibilities: planning the course syllabus, delivering lectures; students' assessment. Topics: Relationship between human, social, and natural sciences; Reductionism and interdisciplinarity; Determinism; Nature and Nurture.
2017-2018	Guest Lecturer, <i>Philosophy of Science</i> (M.A. in Philosophy) [2h], University of Genoa Topic: Levels in neuroscience and biology.
Feb 2018	Undergraduate Seminar: "Levels of Organization and Biological Systems". Dept. of Classics, Philosophy and History, University of Genoa, IT
Dec 2017	Undergraduate Seminar: "Levels and Mechanisms: Ontological and Epistemological Issues". Dept. of Classics, Philosophy and History, University of Genoa, IT
Apr 2017	Undergraduate Seminar: "Mechanistic Explanation. Why and How?". Dept. of Classics, Philosophy and History, University of Genoa, IT
2017-2018	Associate Lecturer, <i>Philosophy of the Cognitive Sciences</i> (M.A. in Philosophy) [12h], University of Genoa. Responsibilities: delivering lectures; student's assessment. Topic: The concept of intelligence in cognitive science, psychometrics, and behavioural genetics.
2016-2017	Guest Lecturer, <i>Philosophy of Science</i> (M.A. in Philosophy) [2h], University of Genoa. Topic: Philosophical issues in biology.
2014-2015	Associate Lecturer, <i>Philosophy of Science</i> (M.A. in Philosophy) [6h], University of Genoa. Topic: Philosophical issues in evolutionary biology.
2013-2014	Associate Lecturer, <i>Philosophy of Science</i> (M.A. in Philosophy) [6h], University of Genoa. Topic: Theoretical and historical issues in evolutionary biology.
2013-2014	Guest Lecturer, <i>Philosophy of the Cognitive Sciences</i> (M.A. in Philosophy) [2h], University of Genoa. Topic: Historical, theoretical, and methodological issues on IQ tests.

Supervisory Activities

2019-2020	Supervision of one Postgraduate Thesis "Pluralism and Realism in the Mind Sciences" - M.A. in Philosophy, University of Genoa, IT
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Professional Development

May 2018	Workshop: "Professional Recognition in Student Education: Applying for Associate Fellowship/Fellowship of the HEA". University of Leeds, UK
Oct 2015	Workshop: "Curare l'essere umano nella sua interezza". Italian Society of Psycho Neuro Endocrino Immunology (SIPNEI), University of Turin, IT
Jul 2015	Summer School: "Patterns and Models". CISFIS & Uniser, Pistoia, IT
Mar-Nov 2014	Training Course: "Ethno-clinical Mediation". Sagara Psychotherapy School, Lari, IT

Professional Service

Journal Refereeing

- Animal Cognition (2)
- APhEx (1)
- Esercizi Filosofici (1)
- Foundations of Science (1)
- Phenomenology and Mind (3)
- Philosophia (1)
- Philosophical Psychology (1)
- Rivista Internazionale di Filosofia e Psicologia (3)
- Scientific Reports (1)
- Sistemi Intelligenti (1)

Editorial Experience

From 2021: Member of the Editors Team of AIRI (International Association of Italian Researchers)

2021: Scientific Advisor for MIT Press (1 book)

2020-2022: Guest Editor of *Studies in History and Philosophy of Science*

2020: Guest Editor of *Topoi. An International Review of Philosophy*

Scientific Revision of Ienca, M. (2019). *Cervelli e Macchine: Per un'unione di Intelligenza Naturale e Artificiale*. Turin: Rosenberg & Sellier

Scientific Revision of Triglia, A., Regader, B., & Garcia-Allen, J. (2018). *Che cos'è l'intelligenza? Dal QI alle intelligence multiple*. Haschette

Affiliation to Scientific Societies

From 2022	PSA – Philosophy of Science Association
From 2022	AISC – Italian Society of Cognitive Science
2019-2020	ISHPSSB – International Society for the History, Philosophy and Social Studies of Biology
2018-2020	BSHS – British Society for the History of Science
2018-2020	AISB – Society for the Study of Artificial Intelligence and Simulation of Behaviour
2018-2019	SMS – Society for the Metaphysics of Science
2018-2019	ESPP – European Society for Philosophy and Psychology
2017-2022	SILFS – Italian Society of Logic and Philosophy of Science
2017-2018	BSPS – British Society for the Philosophy of Science
2016-2017	SIFA – Italian Society of Analytic Philosophy
2015-2017	SIPNEI – Italian Society for Psycho Neuro Endocrino Immunology
2014-2016	AISC – Italian Society of Cognitive Science

Language Skills

Italian	Native speaker
English	Fluent (written and oral)