Curriculum

Nome Name:	Francesca
Cognome Surname:	Biagioli

ORCID:	000000031842690X
Scopus Author ID:	n.d.
WOS Author ID:	n.d.
Sito WEB WEB site:	n.d.

POSIZIONE PROFESSIONALE ATTUALE / CURRENT PROFESSIONAL POSITION:

Posizione attuale Current position:	In servizio
Qualifica Qualification:	Professore Associato (L. 240/10)
Ateneo/Ente/Azienda University/Institution/Company:	Università degli Studi di TORINO
Nazione Ateneo/Ente/Azienda University/Institution/Company Country:	ITA
Anno inizio Start Year:	2022
Anno fine End Year:	n.d.

PRECEDENTI ESPERIENZE LAVORATIVE (ULTIMI 10 ANNI) / PREVIOUS WORK EXPERIENCE (LAST 10 YEARS):

Qualifica Qualification:	Ricercatore a t.d. - t.pieno (art. 24 c.3-a L. 240/10)

Ateneo/Ente/Azienda University/Institution/Company	Università di Torino
Posizione Sede Lavorativi (indicare Nazione e Città) Workplace Location (specify Country and City):	Torino, TO, Italia
Anno inizio Start Year:	2019
Anno fine End Year:	2022
Descrizione Description:	Ricercatrice a tempo determinato di tipo B in qualità di vincitrice del programma "Rita Levi Montalcini" (Bando 2017)

LINGUE / LANGUAGES:

Lingua Language:	Inglese
Scrittura Writing:	C1
Comunicazione Comunication:	C1

Lingua Language:	Tedesco
Scrittura Writing:	C1
Comunicazione Comunication:	C1

Lingua Language:	Francese
Scrittura Writing:	B2
Comunicazione Comunication:	B2

AREA/SETTORE SCIENTIFICO-DISCIPLINARE / AREA/SECTOR SCIENTIFIC-DISCIPLINARY

Area scientifico-disciplinare Area scientific-disciplinary:	Scienze storiche, filosofiche pedagogiche e psicologiche
Area scientifico-disciplinare codice Area scientific-disciplinary code:	11
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-Storia della filosofia
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-PHIL-05/A

Area scientifico-disciplinare Area scientific-disciplinary:	Scienze storiche, filosofiche pedagogiche e psicologiche
Area scientifico-disciplinare codice Area scientific-disciplinary code:	11
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-Logica e filosofia della scienza
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-PHIL-02/A

DESCRIZIONE DEI PRINCIPALI RISULTATI SCIENTIFICI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 PUBBLICAZIONI) / DESCRIPTION OF THE MAIN SCIENTIFIC RESULTS ACHIEVED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 PUBLICATIONS):

Descrizione Description:	*My research has been focused on relevant interactions between philosophy and the sciences in the nineteenth and early twentieth centuries. I have investigated how philosophers, scientist and mathematicians contributed to the renewal of classical philosophical ideas in the light of mathematical developments, such as the mathematisation of logic and the discovery of non-Euclidean geometry. I have reconstructed some of the turning points of a line of research initiated by Hermann Cohen and the Marburg School of neo-Kantianism with the characterisation of the transcendental method as a logic of objective knowledge. In particular, I have reconsidered the role of Helmholtz in setting up new argumentative strategies for the neo-Kantian philosophy of geometry, by advocating the empirical origins of geometrical axioms from the standpoint of his sign theory of vision.* *Starting from a contextualisation of this debate, I have addressed some of the related questions in contemporary philosophy of science, concerning the applicability of mathematics to empirical reality, the relativisation of a priori knowledge, the rationality of scientific change. Subsequently, my research has focused on the epistemological background of structural axiomatics, in particular with regard to the axiomatisation of projective geometry and the theory of quantity. I have analysed how such a background emerges in the works of mathematicians such as Richard Dedekind, Felix Klein, Otto Hölder, Henri Poincaré, Federigo Enriques. I have drawn important insights for the interpretation of these sources from the study of the structural methodology employed in the related mathematical works. This enabled me to address the differentiation of meanings of complex notions such as structure, magnitude and quantity in the transposition from epistemological considerations to mathematical practices. In parallel to my scholarly research, I have articulated some of the motivations for this kind of research from a meta-level reflection on the scope and the varieties of methodologies that have derived from historical epistemology over*

	the past 30 years. I have argued that these approaches are particularly suited to address topics that deserve to be studied across cultural and disciplinary boundaries. I consider such a perspective to be important not only for a proper understanding of the history of philosophical and scientific thoughts in epochs that precede later specialisations, but also for contemporary philosophy as a deepening of perspective and a source of new ideas.

PUBBLICAZIONI / PUBLICATIONS:

Anno della pubblicazione Year of publication:	2016
Citazione Citation:	Biagioli Francesca (2016). Space, Number, and Geometry from Helmholtz to Cassirer. vol. 46, p. 1-239, Cham:Springer, ISBN: 978-3-319-31777-9, doi: 10.1007/978-3-319-31779-3

Anno della pubblicazione Year of publication:	2018
Citazione Citation:	Biagioli, Francesca (2018). Articulating Space in Terms of Transformation Groups: Helmholtz and Cassirer. THE JOURNAL FOR THE HISTORY OF ANALYTICAL PHILOSOPHY, vol. 6, p. 115-131, ISSN: 2159-0303, doi: 10.15173/jhap.v6i3.3436

Anno della pubblicazione Year of publication:	2020
Citazione Citation:	Biagioli, Francesca (2020). Ernst Cassirer's transcendental account of mathematical reasoning. STUDIES IN HISTORY AND PHILOSOPHY OF SCIENCE, vol. 79, p. 1-30, ISSN: 0039-3681, doi: 10.1016/j.shpsa.2019.10.001

Anno della pubblicazione Year of publication:	2020
Citazione Citation:	Biagioli, Francesca (2020). Structuralism and Mathematical Practice in Felix Klein's Work on Non-Euclidean Geometry. PHILOSOPHIA MATHEMATICA, vol. 28, p. 360-384, ISSN: 0031-8019, doi: 10.1093/philmat/nkaa029

Anno della pubblicazione Year of publication:	2021
Citazione Citation:	Biagioli F. (2021). Ernst Cassirer on historical thought and the demarcation problem of epistemology. BRITISH JOURNAL FOR THE HISTORY OF PHILOSOPHY, vol. 29, p. 652-670, ISSN: 0960-8788, doi: 10.1080/09608788.2021.1910483

Anno della pubblicazione Year of publication:	2023

Citazione Citation:	Francesca Biagioli (2023). Hermann von Helmholtz and the Quantification Problem of Psychophysics. JOURNAL FOR GENERAL PHILOSOPHY OF SCIENCE, p. 1-16, ISSN: 0925-4560, doi: 10.1007/s10838-022-09605-6

Anno della pubblicazione Year of publication:	2021
Citazione Citation:	Biagioli, Francesca (2021). Alois Riehl's Epistemological Argument for Realism about Things in Themselves. In: (a cura di): Rudolf Meer Giuseppe Motta, Kant in Österreich: Alois Riehl und der Weg zum kritischen Realismus. vol. 12, p. 73-96, BERLIN:De Gruyter, ISBN: 978-3-11-074728-7, doi: 10.1515/9783110747379

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	Francesca Biagioli (2023). Federigo Enriques and the Philosophical Background to the Discussion of Implicit Definitions. In: (a cura di): Paola Cantù Georg Schiemer, Logic, Epistemology, and Scientific Theories - From Peano to the Vienna Circle. vol. 29, p. 153-174, Cham:Springer, ISBN: 978-3-031-42189-1, doi: 10.1007/978-3-031-42190-7_7

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	Francesca Biagioli (2023). Cassirer and Klein on the Geometrical Foundations of Relativistic Physics. In: (a cura di): Chiara Russo Krauss Luigi Laino, Philosophers and Einstein's Relativity: The Early Philosophical Reception of the Relativistic Revolution. BOSTON STUDIES IN THE PHILOSOPHY AND HISTORY OF SCIENCE, vol. 342, p. 89-105, Cham:Springer, ISBN: 978-3-031-36497-6, ISSN: 0068-0346, doi: 10.1007/978-3-031-36498-3_4

Anno della pubblicazione Year of publication:	2024
Citazione Citation:	Francesca Biagioli (2024). Cassirer on the Concept of Number: A Neo-Kantian Perspective on Dedekindian Abstraction. In: (a cura di): Helmut Pulte Jan Baedke Daniel Koenig Gregor Nickel, New Perspectives on Neo-Kantianism and the Sciences. p. 38-57, New york:Routledge, ISBN: 9781032536392, doi: 10.4324/9781003412915

DESCRIZIONE DEI PRINCIPALI PROGETTI DI RICERCA E PREMI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PRINCIPAL INVESTIGATOR O COORDINATORE LOCALE DI PROGETTI DI RICERCA COMPETITIVI NAZIONALI O INTERNAZIONALI, SIGNIFICATIVI PREMI CONSEGUITI PER LA PROPRIA ATTIVITÀ DI RICERCA)/ DESCRIPTION OF THE MAIN

RESEARCH PROJECTS AND AWARDS AWARDED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 ACHIEVEMENTS, INCLUDING, FOR EXAMPLE, PRINCIPAL INVESTIGATOR OR LOCAL COORDINATOR OF NATIONAL OR INTERNATIONAL COMPETITIVE RESEARCH PROJECTS, SIGNIFICANT AWARDS AWARDED FOR YOUR RESEARCH ACTIVITY):

Descrizione Description:	*I have been working on two main research project under the title "Mathematical and Transcendental Method in Ernst Cassirer's Philosophy of Science" (2014-2017) and "Mathematical Thinking in Neo-Kantian Philosophy" (2019-2022). The first project aimed to offer a reconstruction of how Cassirer elaborated on Cohen's reading of Kant to characterise the transcendental method as an investigation of the presuppositions that are implicit in the sciences and reveal themselves in the historical development of scientific thought. In particular, I investigated how such an approach led Cassirer to take an original stance in the debate on the Kantian theory of space initiated by Helmholtz. The project compared a contextual reconstruction of Cassirer's stance with more recent interpretations of his epistemological work as foreshadowing others' positions in contemporary philosophy of science, such as the relativisation of the Kantian a priori and structural realism. The project was financed my the Marie Curie Actions Program in co-funding with the Zukunkftskolleg at the University of Konstanz. During my fellowship, I have secured third party founding for research stays at the Pittsburgh Center for Philosophy of Science and at the Department of Logic and and Philosophy of Science of the University of California, Irvine. My second main project focused on the development of structural procedures in the wake of Klein's Erlangen Programme, and on philosophical reflections that accompanied the structural turn of geometry in the early twentieth century, in particular the epistemological writings of Felix Klein, and the neo-Kantian views of Federigo Enriques and Ernst Cassirer. This research showed that Cassirer elaborated on Dedekind's and Klein's approaches to account for the conceivability of abstract mathematical concepts from an original philosophical perspective, which remains Kantian in spirit while reconsidering Kant's philosophy of mathematics in the light of later scientific developments. This study contributes to a now well-established scholarship in the history of the philosophy of science, which has brought to light the neo-Kantian background of early twentieth-century philosophy. At the same time, it emphasises the distinctive traits of Cassirer's view, when compared to later forms of mathematical and scientific structuralism. This project was financed by the "Rita Levi Montalcini" Programme (MUR).*

Descrizione Description:	Research scholarship offered by the Institute for Advanced Research of the Aix-Marseille University (IMéRA), from February to July 2014

Descrizione Description:	Grantee of the project "Mathematical and Transcendental Method in Ernst Cassirer's Philosophy of Science", granted by the "Marie Skłodowska-Curie Actions" in co-funding with the Zukuftskolleg Institute for Advanced Study at the University of Konstanz (grant agreement No. 291784), from August 2014 to July 2017

Descrizione Description:	Visiting Fellowship offered by the Pittsburgh Center for the Philosophy of Science, from September to December 2015

Descrizione Description:	Visiting fellowship offered by the Department of Logic and Philosophy of Science at the University of California, Irvine, from April to June 2017

Descrizione Description:	Grantee of the project "Il pensiero matematico nella filosofia del neokantismo'' / Mathematical thinking in neo-Kantian philosophy", financed by the ``Rita Levi Montalcini" Programme (MUR, Bando 2017), University of Turin, from July 2019 to June 2022

DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SVILUPPO DI RETI E RELAZIONI SCIENTIFICHE NAZIONALI E INTERNAZIONALI (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PARTECIPAZIONE O ORGANIZZAZIONE DI CONVEGNI NAZIONALI E INTERNAZIONALI; CONTRIBUTI A CONSORZI DI RICERCA) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF DEVELOPMENT OF NATIONAL AND INTERNATIONAL SCIENTIFIC NETWORKS AND RELATIONS (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, PARTICIPATION OR ORGANIZATION OF NATIONAL AND INTERNATIONAL CONFERENCES; CONTRIBUTIONS TO RESEARCH CONSORTIA):

Descrizione Description:	*I have been a project member of the European Research Council (ERC) project "The roots of mathematical structuralism", directed by Geoerg Schiemer at the University of Vienna, from July 2017 to June 2019. I have contributed to the analysis of different contributions to mathematical structuralism in early twentieth-century philosophy, in particular by Rudolf Carnap, Edmund Husserl, and Ernst Cassirer (a list of outputs is found at: https://cordis.europa.eu/project/id/715222). I have been a project member of the project ``INTEREPISTEME: The effect of interdisciplinary*

	collaboration on early 20th century epistemologies" (financed by the French National Center for Scientific research (CNRS) in collaboration with the University of Vienna, directed by Paola Cantù and Georg Schiemer) from January 2018 to December 2020. My work in the project has been focussed on different conceptions of scientific philosophy in France and Italy (final report: https://episteme.hypotheses.org/final-report). I have been a member of the research group PHILMATHMED: Philosophy of Mathematics Research Group on didactics, history and philosophy of mathematics (involving the universities of Marseille, Montpellier, Nice and Toulouse, Turin, IUSS Pavia) since 2022. I am currently a member of the PRIN project "The Philosophical Reception of Quantum Theory in France and German-speaking countries between 1925 and 1945: Conceptual Implications for the Contemporary Debate" (Bando 2022). Prot. 20224HXFLY

Descrizione Description:	Organiser together with Paola Cantù and Paolo Maffezioli - International Conference "Philosophical roots of mathematical logic", University of Turin, 4-6 April 2022

Descrizione Description:	Invited speaker (title of the contribution: "Dedekindian Abstraction and Its Philosophical Background") at the FilMat Conference 2022 - Foundations, Definitions and Axioms}, Scuola Universitaria Superiore IUSS Pavia, 29/ September-1 October 2022

Descrizione Description:	Participation (title: "The conceivability of non-Euclidean spaces in nineteenth-century geometry'') as part of a special symposium at American Philosophical Association's 2020 Eastern Division Meeting Philadelphia, 8-11/01/2020 (invited)

Descrizione Description:	Organiser together with Georg Schiemer and John Wigglesworth of the International Conferenza "Varieties of Mathematical Abstraction", University of Vienna, 1-3 August 2018

Descrizione Description:	Organiser together with Marco Giovanelli of the International Conference "Neo-Kantian Perspectives on the Exact Sciences", 22-24 January 2016

DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SUPPORTO ALLA COMUNITÀ SCIENTIFICA (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, RESPONSABILITÀ DI DIREZIONE DI COMITATI EDITORIALI; INCARICHI DI

VALUTAZIONE DELLA RICERCA PRESSO ISTITUZIONI NAZIONALI O INTERNAZIONALI; RESPONSABILITÀ ISTITUZIONALI ALL'INTERNO DELL'ISTITUZIONE DI APPARTENENZA O DI ALTRE ISTITUZIONI) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF SUPPORT TO THE SCIENTIFIC COMMUNITY (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, MANAGEMENT RESPONSIBILITIES OF EDITORIAL COMMITTEES; RESEARCH EVALUATION ROLES AT NATIONAL OR INTERNATIONAL INSTITUTIONS; INSTITUTIONAL RESPONSIBILITIES WITHIN THE INSTITUTION OF AFFILIATION OR OTHER INSTITUTIONS):

Descrizione Description:	*I have been supporting HOPOS: The International Society for the History of Philosophy of Science, of which I am member since 2010, with several activities: I have been the head of the Nominations and Elections Committee from 2016 to 2017, I have been a member of the Steering Committee from 2019 to 2021, I am Associate Editore of the HOPOS Journal since 2022, I am currently co-chairing the Programme Committee for the 2024 HOPOS Conference at the University of Vienna. I have conducted research evaluation for the Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR), VQR 2015-19, and for the Czech Academy of Sciences, Scientific Evaluation (2015-2019). I have been a Representative of the Department of Philosophy and Education Sciences in the International Mobility University Commission at the University of Turin since 2021, and a member of the Quality Control Committee "Monitoraggio e Riesame, Corso di Laurea e Corso di Laurea Magistrale in Filosofia", University of Turin since 2022.*

Descrizione Description:	Associate Editor of "HOPOS: The Journal of the International Society for the History of Philosophy of Science", The University of Chicago Press, since 2022

Descrizione Description:	Scientific Evaluation VQR 2015-19, Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR)

Descrizione Description:	Scientific Evaluation (2015-2019) for the Czech Academy of Sciences

Descrizione Description:	Delegate of the Department of Philosophy and Education Sciences - International Mobility University Commission, University of Turin, since 2021

Descrizione Description:	Vice-President of HOPOS: The International Society for the History of Philosophy of Science, since 2025

DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI VALORIZZAZIONE DELLE CONOSCENZE (CON ANNESSO ELENCO DI MASSIMO 3 RISULTATI, RELATIVI ALLA PARTECIPAZIONE DEL CANDIDATO ALLE ATTIVITÀ DI VALORIZZAZIONE DELLE CONOSCENZE) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF KNOWLEDGE VALORIZATION (WITH ATTACHED LIST OF MAXIMUM 3 RESULTS, RELATING TO THE CANDIDATE'S PARTICIPATION IN KNOWLEDGE VALORIZATION ACTIVITIES):

Descrizione Description:	*I have undertaken activities of public engagement with scientific outreach publications and talks*

Descrizione Description:	Thematic entry "Neo-Kantianism", by Biagioli, Francesca, Routledge Encyclopedia of Philosophy (online), 2022. Doi: 10.4324/9780415249126-DC055-2

Descrizione Description:	Participation in the video "CHE COS'È LA FILOSOFIA (a Torino)...", posted on Facebook by Dipartimento di Filosofia e Scienze dell'Educazione - UniTo, playlist Orientamento Filosofia 2022. February 6, 2022

Descrizione Description:	7. Arthur Pap Lecture, Institute Vienna Circle - University of Vienna, 27/03/2025

Informazioni aggiornate alla data di candidatura 21-05-2025

Francesca Biagioli

Il presente curriculum costituisce allegato e parte integrante dell'incarico sottoscritto