

CV

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1 Short bio, current research interests, and impact

Short bio

I received my Ph.D. in Economics and Technology Management from the University of Bergamo (Italy). Currently, I am Associate Professor (Maitre de Conférences - HDR) at the Université Côte d'Azur and Scientific Advisor at Observatoire des Sciences et Techniques, HCERES (France). I was a postdoctoral fellow at EPFL (Switzerland), Bicocca University (Italy), and University of Brescia (Italy).

Current research interests

My main research interests concern the economics of science and innovation. Currently, I am focusing on two subjects: (i) the study of the private and public funding of science and (ii) the study of PhD students' productivity and careers. In this latter subject, I recently obtained an ANR grant to study the impact of Artificial Intelligence competencies acquired during the PhD training on graduates' careers. I am also interested in more classical subjects in innovation, such as the study of technological trajectories and the university-industry technology transfer. Technique-wise, I use large datasets (millions of observations), and I am attracted by the study of specific econometric problems, data quality issues, simulations, and network analysis. In my current research, I am applying machine learning techniques for text analysis on large corpora of documents, including patents, publications, and PhD thesis documents.

Impact

Over my career, I have published 30 articles in peer-reviewed journals. According to Google Scholar, my works have been cited 1,692 times. My h-index is 20, meaning I have 20 works that have received more than 20 citations each.

2 Appointments

Current appointments

- Associate Professor in economics (Maitre de conférences - HDR en Sciences Economiques) at Université Cote d'Azur, Nice, France. Research lab GREDEG, UMR CNRS. (Since 2014)
- Scientific Advisor, Observatoire des Sciences et Techniques, HCERES, Paris, France (Since 2017)
- Affiliate researcher, University of Tokyo, Japan (Since 2025)
- Affiliate researcher, BRICK, Collegio Carlo Alberto, Torino (Since 2019)
- Consultant for EPO (European Patent Office) and for WIPO (World Intellectual Property Organization)

Previous appointments

- 2021-2022 Affiliate researcher, OFCE, SciencesPo, Paris, France
- 2010-2023 Affiliate researcher, ICRIOS, Bocconi University, Milan, Italy
- 2021 Scientific advisor for the Inter-American Development Bank, Washington, US

- 2014-2015 Senior research scientist STARMETRICS project, Washington, US
- November 2013 - Septembre 2014 Post-doc, CEMI, École Polytechnique Fédérale de Lausanne, Switzerland
- July 2012-November 2013 Post-doc, Milano-Bicocca University, Department of Economics, Research project: “Analysis of industrial dynamics with simulation and econometric techniques”, Italy
- December 2011-December 2012 Research Fellow at Observatoire des Science et des Techniques (OST), Paris, France
- May 2011-August 2011 Research assistant at the University of Montpellier, “Development of bibliometric studies”
- December 2010-May 2011 Post-doc, University of Brescia, Department of Economics, Research project: “Collaboration network of journals in economics, the impact on research productivity and careers advancements”, Italy
- June 2009-September 2013 Project coordinator of “Academic Patenting in Europe” (APE-INV) funded by European Science Foundation
- December 2005-November 2006 Research Assistant, University of Brescia, Research project: “History-Friendly simulation models to estimate the effects of research and labour investments: ICT, pharmaceutical and biotechnology”, Italy

3 Education and training

- 2021 HDR (*Habilitation à diriger des recherches*), Université Côte d’Azur, “Micro-Dynamics of Scientific and Technological Knowledge Production”
- 2010 Ph.D. in Economics and Technology Management, University of Bergamo, Dissertation: “Productivity, Career and Collaboration in Science: Three Studies on French and Italian Physicists”
- 2005 Degree in industrial engineering, University of Brescia, Dissertation: “Evolution of pharmaceutical industry in a dynamic simulation model”

4 Research grants and awards

- 2025-2028, PI of the project “Determinants and Impact of AI Education” (AI-Edu) funded by Agence Nationale de la Recherche (ANR-24-CE26-1154), amount 329k €, 2 labs participating, 36 months
- 2023, RIPEC3 prize for “Scientific research, its diffusion, and valorization within the society”, Université Côte d’Azur
- 2018-2021, co-PI of “Scientific Networks and IDEX Funding” (SNIF) funded by Université Côte d’Azur, amount 250k €, 3 labs participating, 36 months
- 2019-2022, co-PI of “Gender bias In Grant Allocation” (GIGA) funded by Agence Nationale de la Recherche (ANR), amount 313k €, 2 labs participating, 42 months
- 2019-2020, PI of “Advancing the Science of Funding”, funded by National Bureau of Economic Research (NBER), amount 10k \$, 3 members, 24 months
- 2022 Maastricht University and UNU-MERIT, Visiting Professorship Support. Grant for a 2-month visit.
- 2021 University of Brescia, Visiting Professorship Support. Grant for a one-week visit.
- 2017 Research award by the Research Incentive Program of Collegio Carlo Alberto for the paper “At the origins of learning: Absorbing knowledge flows from within the team.”
- I am participating in the ABSolEU Project (Horizon Europe Programme), DOC-TRACK project (European Patent Office), and PEPR (ANR) project.

5 Teaching experience

Dates	Course	Level*	N. of students per year	Hours per year	Institution(s)	Language
Ongoing						
2025	Economics of Innovation and Sustainable Development	M1	15	20h	University of Torino	EN
2025	Artificial Intelligence and Industrial Strategies	M2	10	10h	Université Côte d'Azur	EN
2025	Green Innovation, Knowledge and Changes	M2	10	10h	Université Côte d'Azur	EN
2019-2025	Data Analysis	B2	100	20h	Université Côte d'Azur	EN
2019-2025	Economics of Innovation	B2	100	20h	Université Côte d'Azur	EN
2023	Économie et management de l'Innovation	B3	100	4h	Université Côte d'Azur	EN
2018-2025	Analyse de Données 2	M1	20	20h	Université Côte d'Azur	EN/FR
2022-2025	Economics of Innovation	M1	20	20h	Université Côte d'Azur Maastricht University (4h)	EN/FR
2018-2025	Economics of Science	M1	20	13h	Université Côte d'Azur	EN/FR
2015-2025	Analyse Empirique des Dynamiques Régionales	M2	20	15h	Université Côte d'Azur	EN/FR
2021-2025	Economics of Science related courses	PhD	10	About 6h	International program (Pisa-UniCA) University of Torino University of Brescia (Economics dep.)	EN
2021-2025	Economics of Innovation related courses	PhD	10	About 6h	International program Pisa-UniCA University of Tokyo	EN
Past						
2015-2016	Microeconomics (TD)	B1	200	30h	Université Côte d'Azur	FR
2015-2019	Economie et Management des Organisations	B2	20	10h	Université Côte d'Azur	FR
2018-2019	History of Economic Crises	B2	20	20h	Université Côte d'Azur	EN
2015-2018	Analyse de Données 1	M1	20	20h	Université Côte d'Azur	EN/FR
2015-2016	The Firm and Its Environment (TD)	M1	20	6h	Université Côte d'Azur	EN
2015-2022	Innovation et Dynamique Industrielle	M1	20	20h	Université Côte d'Azur	EN/FR
2011	Empirical Economics (TD)	M	40	10h	University of Brescia (Economics dep.)	EN
2009-2010	Econometrics	M	100	50h	University of Brescia (Engineering dep.)	IT
2010	Industrial Organization	M	100	50h	University of Brescia (Engineering dep.)	IT

NOTE: B=Bachelor, M=Master, PhD followed by the year. For instance, B2 is Bachelor, second year.

6 PhD students and postdocs

Supervised

- Sarah Ferreira, enrolled in 2025, Université Cote d'Azur, GREDEG.
- Pierre Boutros, enrolled in 2023, thesis title “The Road To Excellence: Navigating the Factors that Shape PhD Student Outcomes”, Université Cote d'Azur, GREDEG.

- Alberto Corsini, Université Côte d'Azur, successfully defended in 2022, best thesis award. Thesis title "Scientific Networks and IDEX Funding", Université Cote d'Azur, GREDEG.
- Justin Quemener, enrolled in 2021, thesis title "Les impacts de la recherche sur la technologie et l'innovation : Mesure et interprétation des citations de publications scientifiques dans les brevets", Université Cote d'Azur, GREDEG.
- Davide Bonaglia, enrolled in 2019, thesis title "Novel technologies' creation and diffusion: The role of multinational enterprises, global cities and inventors", UNU-MERIT and Maastricht University.
- Sofia Patsali, Postdoc at Université Cote d'Azur, GREDEG, 2020, project title "Economic Assessment of Artificial Intelligence Technologies in Medicine".
- Marie Sciacitano, Postdoc at Lyon University and Université Cote d'Azur, GREDEG, 2024, project title "Priority Research Programs and Equipment".

PhD defense committees

- Heman Khouilla, "Systèmes d'innovation et Développement : Des dynamiques locales aux réseaux globaux", Toulon University, 19/11/2025
- Nicolas Jalabert, "Gender Inequalities in Academic Research: Critical Points and Continuing Disparities Across Careers", Strasbourg University, 19/11/2025
- Andriy Romanyuk, "Foreign PhDs in Europe: Permanence and Research Careers", University of Varese and University of Bordeaux, 16/12/2025
- Rodrigo Ito, "Essays on the Extended Effects of International Scientific Mobility", Maastricht University, 30/03/2026
- Francesco Serraino, "The role of Entrepreneurship Education in enhancing entrepreneurial propensity, behavior, and performance", Politecnico di Torino, (17 March 2025)
- Isabel Cavalli, "Three essays on policy evaluation, innovation, and public economy" (Nice December 2024)
- Jin Ding, "The evolution and dynamics of Sectoral System of Innovation – A case study of orphan drug innovation in the US", University of Edinburgh, Economics (Edinburgh, 23 February 2018)
- Thorsten Doherr, "Disambiguation of Researcher Careers: Shifting the Perspective from Documents to Authors", University of Luxemburg, Economics (Luxembourg, 28 June 2018).
- Emilia Filippi, "Automation and its impact on occupations and employment" (Trento, 16 March 2023)
- Yassine Guerroud, "Three essays on eco-innovation at the firm level" (Nice, 7 October 2021)
- Bastian Krieger, "Public Policy And Firm Innovation" (Luxembourg, 14 October 2022)

7 Other activities

- *Referee for* the Journal of Evolutionary Economics, Higher Education, Industry and Innovation, Research Policy, Journal of Artificial Societies and Social Simulation, Regional Studies, Triple Helix, Industrial and Corporate Change, Journal of Economics & Management Strategy, and Journal of Economics & Management Strategy.
- *In the organizing committee of the conferences* Governance of a Complex World (Nice); Science, Technology and Innovation Indicators in Transition (Leiden); European Association for Evolutionary Political Economy (Nice); The Society for Economic Measurement (Calgary); Knowledge Dynamics, Industry Evolution, Economic Development summer school (since 2015, Nice).

- *Main organizer* of the Knowledge Dynamics, Industry Evolution, Economic Development summer school (since 2021, Nice).
- *In the scientific committee of the conferences* Workshop on the Organisation, Economics, and Policy of Scientific Research (WOEPS), Knowledge Dynamics, Industry Evolution, Economic Development summer school (KID), and the Society for Economic Measurement (SEM).
- *In the selection committee of* the International doctoral program in economics (Pisa-Université Cote d’Azur), two MCF positions at Université Cote d’Azur, one MCF position at the University of Strasbourg, and DS4H scholarship allocation at Université Cote d’Azur.
- *Editor* for the special issue “The impact of academic research and science policy” in the *Annals of Economics and Statistics* (2023) and editorial board member for *Humanities & Social Sciences Communications*, Springer Nature (2021).
- *Coordinator* of the group FIT at GREDEG, Université Cote d’Azur, since 2022. The project includes 16 permanent members, 11 PhD students and postdocs, and 6 associate members.
- *Responsible* for the GREDEG seminar series since 2022.
- *Elected member* of the *Conseils d’Orientation Scientifique et Pédagogique* (COSP) at the department EUR-ELMI, Université Cote d’Azur since 2025.

8 Publications

In peer-reviewed journals

- #1. Ayoubi, C., Barbosu, S., Pezzoni, M., Visentin, F., 2025. Research Direction and Science Evaluation: The Role of Coherence and Alignment, *Journal of Economics & Management Strategy*, (CNRS Rank 1, CNU Rank A).
- #2. Kalash, B., Guillou, S., Nesta, L., and Pezzoni, M. 2024. Does lab funding matter for the technological application of scientific research? *Annals of Economics and Statistics*, 153, 39-76, (CNRS Rank 2, CNU Rank A).
- #3. Patsali, S., Pezzoni, M., and Visentin, F. 2024. Research independence: drivers and impact on PhD students’ careers, *Studies in Higher Education*, 1–24.
- #4. Pezzoni, M., and Visentin, F. 2023. Gender bias in team formation: The case of the European Science Foundation’s grants, *Science and Public Policy*, 00, 1-14.
- #5. Corsini, A. and Pezzoni, M. 2023. Does grant funding foster research impact? Evidence from France, *Journal of Informetrics*, 17(4).
- #6. Corsini, A., Pezzoni, M., and Visentin, F. 2022. What makes a productive Ph.D. student? *Research Policy*, 51(10), (CNRS Rank 1, CNU Rank A).
- #7. Pezzoni M. Veugelers R. and Visentin F. 2022. How fast is this novel technology going to be a hit? Antecedents predicting follow-on inventions. *Research Policy*, 51(3), (CNRS Rank 1, CNU Rank A).
- #8. Baldessarelli, G., Lazaric, N., and Pezzoni, M. 2022. Organizational routines: Evolution in the research landscape of two core communities. *Journal of Evolutionary Economics*, 32(4): 1119–1154, (CNRS Rank 2, CNU Rank A).
- #9. Mairesse J. and Pezzoni M. 2021. *The Impact of Novelty in Scientific Articles: The Case of French Physicists*. *Revue d'economie industrielle*, 174(2), (CNRS Rank 3, CNU Rank B).
- #10. Ayoubi, C. Pezzoni M. and Visentin F. 2021. *Does it Pay to Do Novel Science? The Selectivity Patterns in Science Funding*. *Science and Public Policy*
- #11. Vu, D. Pezzoni M. and Nguyen D.L. 2021. *Arbitrator teams and dispute resolution performance: an empirical analysis*. *European Journal of Law and Economics*, (CNRS Rank 2, CNU Rank A).

- #12. Mairesse, J. Pezzoni M. and Visentin F. 2020. Does Gender Matter for Promotion in Science? Evidence from Physicists in France *Revue Economique*, Volume 7, Issue 6, (CNRS Rank 2, CNU Rank A).
- #13. Orsatti G., Quatraro F., and Pezzoni M. 2020. The antecedents of green technologies: The role of team-level recombinant capabilities. *Research Policy*, Volume 49, Issue 3, (CNRS Rank 1, CNU Rank A).
- #14. Miniaci R. and Pezzoni M. 2020. Social Connections and Editorship in Economics. *Canadian Journal of Economics*, (CNRS Rank 2, CNU Rank A).
- #15. Mairesse J. Pezzoni M. and Visentin F. 2019. Impact of family characteristics on the gender publication gap: Evidence for physicists in France. *Interdisciplinary Science Review*, Volume 44, Issue 2, Pages 204-220.
- #16. Ayoubi, C., Pezzoni, M., and Visentin, F. 2019. The important thing is not to win, it is to take part: What if scientists benefit from participating in research grant competitions? *Research Policy*, Volume 48, Issue 1, Pages 84–97, (CNRS Rank 1, CNU Rank A).
- #17. Sterzi V., Pezzoni M., and Lissoni F. 2019. Patent Management by Universities: Evidence from Italian Academic Inventions, *Industrial and Corporate Change*, Volume 28, Issue 2, Pages 309–330, (CNRS Rank 1, CNU Rank A).
- #18. Coffano M., Foray D., and Pezzoni M. 2017. Does inventor centrality foster regional innovation? The case of the Swiss medical devices sector, *Regional Studies*, Volume 51, Issue 8, Pages 1206-1218, (CNRS Rank 2, CNU Rank A).
- #19. Ayoubi C., Pezzoni M., and Visentin F. 2017. At the origins of learning: Absorbing knowledge flows from within the team. *Journal of Economic Behavior and Organization*, Volume 134, Issue 2, Pages 374-387, (CNRS Rank 2, CNU Rank A).
- #20. Pezzoni M., Lane J., Mairesse J., and Stephan P. 2016. Gender and the Publication Output of Graduate Students: A Case Study *PLOS ONE*, Volume 11.
- #21. Bianchini S., Lissoni F., Pezzoni M., and Zirulia L. 2016. The economics of research, consulting, and teaching quality: theory and evidence from a technical university, *Economics of Innovation and New Technology*, Volume 25, Issue 7, Pages 668-691, (CNRS Rank 2, CNU Rank B).
- #22. Mairesse J. and Pezzoni M. 2015. Does Gender Affect Scientific Productivity? A critical review of the empirical evidence and a panel data econometric analysis for French physicists. *Revue Economique*, Volume 66, Issue 1, Pages 65-113 (CNRS Rank 2, CNU Rank A)
- #23. Pezzoni M., Lissoni F., and Tarasconi G. 2014. How to Kill Inventors: Testing The Massacrator Algorithm for Inventor Disambiguation. *Scientometrics*, Volume 101, Issue 1, Pages 477-504.
- #24. Garavaglia C., Malerba F., Orsenigo L., and Pezzoni M. 2014. Innovation and market structure in the evolution of the pharmaceutical industry: A history-friendly model. *Journal of Economics and Statistics (Jahrbuecher fuer Nationaloekonomie und Statistik)*, Volume 234, Issue 2-3, Pages 274-298.
- #25. Garavaglia C., Malerba F., Orsenigo L., and Pezzoni M. 2013. A Simulation Model of the Evolution of the Pharmaceutical Industry: A History-Friendly Model. *Journal of Artificial Societies and Social Simulation*, Volume 16, Issue 4, Page 5.
- #26. Bianchini S., Lissoni F., and Pezzoni M. 2013. Instructor Characteristics and Students' Evaluation of Teaching Effectiveness: Evidence from an Italian Engineering School. *European Journal of Engineering Education*, Volume 38, Issue 1, Pages 38-57.
- #27. Lissoni F., Pezzoni M., Poti B., and Romagnosi S. 2013. University autonomy, IP legislation and academic patenting: Italy, 1996-2007. *Industry and Innovation*. Volume 20, Issue 5, Pages 399-421, (CNRS Rank 3, CNU Rank B).

- #28. Pezzoni M., Sterzi V., and Lissoni F. 2012. Career progress in centralized academic systems: an analysis of French and Italian physicists. *Research Policy*, Volume 41, Issue 4, Pages 704–719, (CNRS Rank 1, CNU Rank A).
- #29. Garavaglia C., Malerba F., Orsenigo L., and Pezzoni M. 2012. Technological regimes and demand structure in the evolution of the pharmaceutical industry. *Journal of Evolutionary Economics*, Pages 1–33, (CNRS Rank 2, CNU Rank A).
- #30. Lissoni F., Montobbio F., Mairesse J., and Pezzoni M. 2011. Scientific Productivity and Academic Promotion: A Study on French and Italian Physicists. *Industrial and Corporate Change*, Volume 20, Issue 1, Pages 253-294, (CNRS Rank 1, CNU Rank A).

Papers under review or to be submitted

- #30. Bonaglia D., Belderbos R., Pezzoni M., and Visentin F. (2024 mimeo). Technology class-based versus text-based indicators of technological novelty: their origins and association with patent value.
- #31. Baudino M., Krafft J., Pezzoni M. (2024 mimeo). Technology incubators and startup innovation dynamics: New evidence from a quasi-natural experimental design.
- #32. Patsali S., Krafft J., and Pezzoni M. (2023 GREDEG working paper). Healthcare Procurement and Firm Innovation: Evidence from AI-powered Equipment.
- #33. Pezzoni, M., Veugelers R. and Visentin F. (2023 UNI-MERIT working paper). Technologies fly on the wings of science: Exploring the role of science in technologies' spatial evolution.
- #34. Boutros, P., Pezzoni, M., Shibayama, S., Visentin, F., (2024 UNU-MERIT Working Papers). When one teaches, two learn: The bidirectional learning process supervisor-PhD student.
- #35. Boutros, P., Diodati, E., Pezzoni, M., Visentin, F., (2025 mimeo). Does Training in AI Affect PhD Students' Careers?
- #36. Bonaglia D., Pezzoni, M., Visentin, F., (2025 Mimeo). The scientific content of technologies and Schumpeterian patterns of innovation

Selected working papers

- #37. Mairesse J., Pezzoni M., and Visentin F. 2020. Does Gender Matter for Promotion in Science? Evidence from Physicists in France, Working Paper no. 27789, National Bureau of Economic Research
- #38. Pezzoni M., Veugelers R., and Visentin F. 2019. How fast is this novel technology going to be a hit? London, Centre for Economic Policy Research.
- #39. Lissoni F., Mairesse J., Montobbio F., and Pezzoni M. 2010. Scientific Productivity and Academic Promotion: A Study on French and Italian Physicists. Working Paper no. 16341, National Bureau of Economic Research.
- #40. Mairesse, J., Pezzoni, M., Sachwald, F., 2024. Generation and Impact of Novel Articles in Physics. Working Paper no. 33064, National Bureau of Economic Research.

Selected conferences

- National Bureau of Economic Research (NBER) Summer Institute, US. 2018. Paper presented: “The important thing is not to win, it is to take part: What if scientists benefit from participating in research grant competitions?”
- National Bureau of Economic Research (NBER) Summer Institute, US. 2019. Paper presented: “What Matters in Funding: The Value of Research Coherence and Alignment in Evaluators' Decisions”
- National Bureau of Economic Research (NBER) Investments in Early Career Scientists: Data and Research Gaps, March 19, 2021. Papers presented: “What Makes a Productive

Ph.D. Student?” and “The impact of research independence on PhD students’ careers: Large-scale evidence from France”

- Druid 2021 Copenhagen Business School, Denmark, October 18-20, 2021. Paper presented, “What Matters in Funding: The Value of Research Coherence and Alignment in Evaluators’ Decisions”
- Seminar at Center for International Development at Harvard University. 2019. Papers presented: “How fast is this novel technology going to be a hit? Antecedents predicting follow-on inventions” and “Does it Pay to Do Novel Science? The Selectivity Patterns in Science Funding”

9 Research results’ dissemination

- Research Highlights, Choose your supervisor—and peers—wisely, 2022, Science, <https://www.science.org/doi/10.1126/science.adg3734>
- Female supervisors ‘have more productive PhD students.’ 2022, July 7. Times Higher Education (THE).
- Study pinpoints secrets to a successful PhD. 2022, August 3. Research Professional News.
- Podcast, InnoTechCast, “How fast novel technologies become a hit”, Episode 88, The European House Ambrosetti 2022.
- Science Magazine, Brainard, Jeffrey. “Funding Agency’s Reviewers Were Biased against Scientists with Novel Ideas.” 2021.
- TheMetaNews, La nouveauté, ça se mesure comment ?, 18 juin 2021.
- Mairesse, J. Pezzoni M. and Visentin F. When gender is not a discrimination factor for promotion 2020. VoxEU.org.
- Pezzoni M., Veugelers R., and Visentin F. Technology diffusion trajectories: New evidence. 2019, September 3. VoxEU.org.
- Ayoubi C., Pezzoni M., and Visentin F. It's not the winning but the taking part that counts: how the process of applying for competitive grants is of benefit to researchers. 2018. LSE Impact Blog, October 8
- Ayoubi C., Pezzoni M., and Visentin F. Taking part, not winning, counts most in grant applications. 2018. Research Europe. October 11
- Ayoubi C., Pezzoni M., and Visentin F. Simply applying for a competitive grant is a win. 2018. Social Science Space. October 17
- The Subtle Ways Gender Gaps Persist in Science, by P. Voosen, The Chronicle of Higher Education, March 06, 2016