

## 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 1,653 times. My h-index equals 20, meaning that I have 20 works that received more than 20 citations.

### 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, 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
<b>Ongoing</b>						
2019-2024	Data Analysis	B2	100	20h	Université Côte d'Azur	EN
2019-2024	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
2018-2024	Analyse de Données 2	M1	20	20h	Université Côte d'Azur	EN/FR
2022-2024	Economics of Innovation	M1	20	20h	Université Côte d'Azur Maastricht University (4h)	EN/FR
2018-2024	Economics of Science	M1	20	13h	Université Côte d'Azur	EN/FR
2015-2024	Analyse Empirique des Dynamiques Régionales	M2	20	15h	Université Côte d'Azur	EN/FR
2021-2024	Economics of Science related courses	PhD	10	About 6h	International program (Pisa-UniCA) University of Torino University of Brescia (Economics dep.)	EN
2021-2024	Economics of Innovation related courses	PhD	10	About 6h	International program Pisa-UniCA University of Tokyo	EN
<b>Past</b>						
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. 2025. Paper presented: “Does Training in AI Affect PhD Students' Careers?”
- 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