



Ecosystem-driven, research-grounded professional with experience in strategic projects, community building, and multi-stakeholder leadership. Skilled at supporting operational growth, fostering trusted partner relationships, and bridging technical and business priorities. Quantum and AI savvy, consistently delivering projects on time and on budget.

CONTACT

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KEY CONTRIBUTIONS

- Contributed to community building efforts that gained public attention, with findings featured in [The Guardian](#), [The Quantum Insider](#), [The Royal Institution](#) and [Physics World](#), establishing thought leadership in the quantum education ecosystem.
- Hosted and coached students from [Air Force Academy](#) on cutting-edge quantum diagrammatic tools for quantum workforce development in the Mountain West.
- Championed and coordinated an [online course](#) with [KNUST](#) for the UN-proclaimed [International Year of Quantum 2025](#), advancing global access to quantum education.

KEY SKILLS

- Community and Ecosystem building
- End-to-End Project Execution (Agile and Traditional)
- Executive-Level Strategy and Communication
- Cross-Functional Team Leadership and Partnership Development
- Data-Driven Project Tracking and Optimization (Jira expert)

LANGUAGES

Italian	Native
English	Fluent

April 2025 - December 2025
R&D SCIENTIST III - EMERGING TECH STRATEGY – [Quantinuum](#)

Oxford, United Kingdom

- Drove adoption of emerging solutions by translating complexity and addressing skepticism.
- Spearheaded collaborations with > 15 academic, corporate and public-sector partners.
- Directed submissions to top-tier funding programmes, including highly competitive calls (< 10–15% success rate), earning recommendation for one >\$200K sponsorship.

July 2024 - April 2025
R&D SCIENTIST II - EMERGING TECH STRATEGY – [Quantinuum](#)

Oxford, United Kingdom

- Advanced from coordination to leadership, overseeing 10+ contributors, monitoring deliverables, timelines, and overall performance.
- Authored strategic and quantum ecosystem-focused presentation materials, one featured in a high-visibility session for up to 400 in-person and > 110K views online.

Sept. 2022 - July 2024
COMPOSITIONALITY RESEARCH COORDINATOR – [Quantinuum](#)

Oxford, United Kingdom

- Coordinated > 5 concurrent research activities, supporting execution across a team of +30 members.
- Assisted in documentation, data management, and administrative aspects of projects.

OUTREACH AND EVANGELISM EXPERIENCE

- Scientific Steering Committee Member - [World Tech Conference 2026](#)
- Stati Generali Quantum, Implementation of the Italian National Strategy for Quantum Technologies (Rome, Italy, 2025) - Invited Guest
- Quantum Computing Summit 2025, The Innovation Group (Milan, Italy, 2025) - Panelist, “HPC, Quantum & AI” Roundtable - [Event website](#)
- The 2025 Hellenic Mathematical Society Conference - 15th International Week Dedicated to Maths 2025 (Thessaloniki, Greece - 2025) - [Keynote](#)
- The 6th International Conference on Applied Category Theory (College Park, Maryland, USA - 2023) [Conference website](#) | [Video talk](#)
- Workshop on Categorical Approaches to Emergence and Non-Compositionality in Complex Systems (Oxford, UK - 2023) - [Blogpost](#)
- The 5th International Conference on Applied Category Theory (Glasgow, UK - 2022) [Conference website](#) | [Video talk](#)

RESEARCH PUBLICATIONS

- Dündar-Coecke, S., Puca, C., Yeh, L., Pfaendler, S. M. L., Waseem, M. H., Cervoni, T., ... & Coecke, B. (2023, September). Making the quantum world accessible to young learners through Quantum Picturalism: An experimental study.
• DOI: <https://doi.org/10.48550/arXiv.2504.01013>
- Dündar-Coecke, S., Yeh, L., Puca, C., Pfaendler, S. M. L., Waseem, M. H., Cervoni, T., ... & Coecke, B. (2023, September). Quantum Picturalism: Learning Quantum Theory in High School. In 2023 IEEE International Conference on Quantum Computing and Engineering (QCE) (Vol. 3, pp. 21-32).
• DOI: <https://doi.org/10.1109/QCE57702.2023.20321>
• [Medium Blogpost](#)
- Bumpus, B. M., Fairbanks, J., Genovese, F., Puca, C., Rosiak, D. (2024) How Nice is this Functor? Two Squares and Some Homology go a Long Way
• [ACT24 conference version](#)
- Puca, C., Hadzihasanovic, A., Genovese, F., & Coecke, B. (2023). Obstructions to Compositionality. In Proceedings ACT 2023, EPTCS 397, 2023, pp. 226-245.
• DOI: <https://doi.org/10.4204/EPTCS.397.14>
- Genovese, F., Loregian, F., & Puca, C. Fibrational linguistics (FibLang): Language acquisition. In Proceedings ACT 2022, EPTCS 380, 2023, pp. 224-236.
• DOI: <https://doi.org/10.4204/EPTCS.380.13>
- Genovese, F., Loregian, F., & Puca, C. (2022). Fibrational linguistics: First concepts. arXiv preprint arXiv:2201.01136
• DOI: <https://doi.org/10.48550/arXiv.2201.01136>

EDUCATION

BSC IN MATHEMATICS
[University of Naples Federico II, Naples, IT](#)

Graduated 110/110 cum laude, with a thesis on nearly normal subgroups.
2016 - 2019

MSC IN MATHEMATICS
[Sapienza University of Rome, Rome, IT](#)

Graduated 110/110, with a thesis on categorical models of meaning of natural language.
2019 - 2021