

Luca Visentin

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EDUCATION

Professional Development Course for Data Stewardship <i>Responsible and meaningful research data management, FAIR data, legal aspects of data, data privacy, data archival and preservation, ontologies.</i>	University of Turin Oct. 2023 - Oct. 2024
Master's Degree in Cellular and Molecular Biology <i>Neurobiological course: cellular biology of the brain, advanced genetics. Thesis title: Modelling the evolution of somatic mutations in cancer.</i>	University of Turin Sep. 2018 - July 2021
Bachelor's Degree in Biological Sciences <i>Cellular biology, human physiology, immunology, genetics. Thesis title: Immunotherapy - a new frontier in the treatment of cancer.</i>	University of Turin Sep. 2015 - July 2018
Diploma in Healthcare Biotechnologies <i>Food safety, chemistry, applied microbiology.</i>	IIS A. Gobetti Marchesini Sep. 2010 - July 2015

EXPERIENCE

PhD Student in Complex systems for Quantitative Biomedicine <i>University of Turin</i>	Nov. 2022 - Present <i>Turin, Italy</i>
<ul style="list-style-type: none">• Developed a self-updating database based on remote data regarding membrane transporters• Developed several analysis pipelines of expression data to obtain biological insight in cancer physiology• Management of team activities such as lab meetings, new collaborator onboarding and offboarding, communication platforms, etc.• Working to implement FAIR data practices and Open Research in my research group	
Research collaborator <i>University of Turin, DBIOS, Physiology lab</i>	Aug. 2021 - Oct. 2022 <i>Turin, Italy</i>
<ul style="list-style-type: none">• Development of data analysis software for novel and deposited research data• Analysis of complex multivariate gene expression data and correlation with clinical characteristics• Collaborate in team efforts and organization of communication platforms	

LATEST PUBLICATIONS

- **Research Article:** “Structuring data analysis projects in the Open Science era with Kerblam!”, F1000 Research, 2025, [DOI::10.12688/f1000research.157325.1](https://doi.org/10.12688/f1000research.157325.1)
- **Review:** “The Emerging Concept of the Transportome: State of the Art”, Physiology, 2023, [DOI::10.1152/physiol.00010.2023](https://doi.org/10.1152/physiol.00010.2023)
- **Preprint:** “Profiling the Expression of Transportome Genes in cancer: A systematic approach”, bioRxiv, 2023, [DOI::10.1101/2023.07.18.549498](https://doi.org/10.1101/2023.07.18.549498)
- **Data Report:** “Transcriptomic data of bevacizumab-adapted colorectal adenocarcinoma cells HCT-116”, Data in Brief, 2023, [DOI::10.1016/j.dib.2023.109069](https://doi.org/10.1016/j.dib.2023.109069)
- **Research Article:** “BioTEA: containerized methods of analysis for microarray-based transcriptomics data”, Biology, 2022, [DOI::10.3390/biology11091346](https://doi.org/10.3390/biology11091346)

Full publication, education and experience list: <https://orcid.org/0000-0003-2568-5694>

TECHNICAL SKILLS

Languages: Python, R, Rust, SQL (SQLite)
Libraries: Dplyr, Pandas, Numpy, ggplot2, DeSeq2, Pytest, Venv
Developer Tools: Git, Github, Github Actions, Docker, pip, Podman, Cargo, Vim, Neovim, LaTeX, Typst
Data Management: RDF, OWL, Dataverse, Zenodo, Data Stewardship Wizard, Nanopublications