

Antonio Collese

Address: via A.Zacco, 12, Padua, Italy

Place of birth: Padua, Italy * *Date of birth:* 16-11-1993

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Education

Ph.D. in Bioinformatics

University of Padua

Computational Oncology

2020 - 2023

Part of Fabio Vandin's Lab @ DEI

Representative of doctoral students at departmental level

Project: Inference of Reliable Causal Rules between Somatic Mutations and Cancer Phenotypes

Master's degree in Machine Learning

University of Padua

Big Data ML in precision medicine

2019 - 2020

Project: Neural Network model to predict pharmacological efficacy in cancer patients

Master's degree in Biomedical Engineering

University of Padua / CCB Innsbruck

Curriculum in biological data analysis and elaboration

2015 - 2017

Obtained Erasmus+ Grant

Thesis: Quantifying immune contexture of tumors using sequencing and imaging data [link]

Bachelor's degree in Information Engineering

University of Padua

Summer School in Brixen

2012 - 2015

Thesis: Mathematical Modeling of epidemic HIV Infection

Work experience

Veneto Institute of Oncology, IOV-IRCCS

2020 - ongoing

Data Scientist

Padua, Italy

- Re-organized the genomic data storing center of the Hereditary Tumors Department
- Developed a user-friendly pipeline to interpret Single Nucleotide Polymorphisms and Copy-Number Variations
- Appointed as reference person for the Institute within the Alliance Against Cancer Network

Inventis srl

2018 - 2020

Biomedical Engineer

Padua, Italy

- Curated the scientific company knowledge.
- Proposed substantial modifications to both product usability and design.
- Performed oral presentations in multiple countries and languages, also at various universities as part of curricular courses.

Technical skills

Programming Languages/Tools

Python, R, Shell, L^AT_EX

Language proficiencies

Italian Native language

English Fluent both in formal and informal setting. Level: C1 (IELTS)

Spanish Informal and conversational level. Level: B1 (School course)

German Basic conversational level. Level: A1/A2 (University course)

Conferences

ISMB/ECCB 2023	Twenty-minute talk in HiTSeq COSI. [Upcoming, Lyon, France]
RECOMB 2023	Poster presentation. [Istanbul, Turkey]
Lipari Summer School 2022	Three-minute presentation. [Lipari, Italy]
RECOMB 2021	Member of the Poster evaluation committee. [Padua, Italy]

Extracurricular activities

Hidden Embers *2013 - ongoing*

Short movie production crew

Participated as actor and/or screen-writer in multiple prize-winning projects. Awards in 2013, 2015, 2017, 2018, 2019, and 2021.

Football player *2010 - ongoing*

First team player

Regular in multiple teams at regional level. Experience abroad at Union Innsbruck.