

Mario Verdicchio

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🌐 <https://marver17.github.io/>




Employment History


2021 – ····  **Medical Imaging Researcher**, IRCCS Synlab SDN, Naples.

Education

2022 – ····  **Ph.D., University of Naples Federico II** Computational and Quantitative Biology.
PhD Project: *AI-based methods to support clinical decision in the medical imaging domain*

2024  **EIT Health BeHealsy Student.**
PhD Project:

2018 – 2021  **M.Sc. Biomedical Engineering, Univeristy of Naples Federico II** in Medical Device.
Thesis title: *Performance analysis of algorithms for the segmentation and automatic classification of breasts based on their density.*

2014 – 2018  **B.Sc. Biomedical Engineering, Univeristy of Naples Federico II.**
Thesis title: *ECG measurements with Arduino UNO.*


Research Publications


Journal Articles

1 L. H. Boulogne, J. Lorenz, D. Kienzle, *et al.*, “The stoic2021 covid-19 ai challenge: Applying reusable training methodologies to private data,” *Medical Image Analysis*, vol. 97, p. 103 230, 2024.


2 M. Verdicchio, V. Brancato, C. Cavaliere, F. Isgrò, M. Salvatore, and M. Aiello, “A pathomic approach for tumor-infiltrating lymphocytes classification on breast cancer digital pathology images,” *Heliyon*, vol. 9, no. 3, 2023.

Skills

Languages  Strong reading, writing and speaking competencies for English, mother tongue Italian.


Coding  Python, R, \LaTeX , Matlab, C++

Tools  Kubernetes, Proxmox, Docker, Kubeflow, FreeSurfer, FSL, Ants

Misc.  Academic research, teaching, training, consultation, \LaTeX typesetting and publishing.

Miscellaneous Experience

Visiting

March - July 2024  **Medical Imaging Division**, KTH, Stockholm, Sweden

Summer School

2021  **Computational Neuroscience, NeuroMatch Accademy**

2022  **Deep Learning and Computer Vision**, MALGA Center, Genova, Italy

Miscellaneous Experience (continued)

2023  **Summer School On Signal Processing** , IEEE SPS, Capri, Italy