

# 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,” *Helijon*, vol. 9, no. 3, 2023.

## Skills

Languages	 Strong reading, writing and speaking competencies for English, mother tongue Italian.
Coding	 Python, R, L <sup>A</sup> T <sub>E</sub> X, Matlab, C++
Tools	 Kubernetes, Proxmox, Docker, Kubeflow, FreeSurfer, FSL, Ants
Misc.	 Academic research, teaching, training, consultation, L <sup>A</sup> T <sub>E</sub> X typesetting and publishing.

## Miscellaneous Experience

### Visiting

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

### Summer School

2021  **Computationaal NeuroScience, NeuroMatch Accademy**

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

## Miscellaneous Experience (continued)

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2023

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