

# Fabio Marchianò

*PhD in Computational Biology*

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*"For most scientists, I think the justification of their work is to be found in the pure joy of its **creativity**; the spirit which moves them is closely akin to the imaginative vision which inspires an artist" - James B. Conant*

## Education/Jobs

- 01/02/2019-18/02/2022 **PhD in Computational Biology**, IBDM University of Aix Marseille, France.
- 01/01/2018-31/01/2019 **Bioinformatician at CNRS**, IBDM University of Aix Marseille, France.
- 01/04/2016-21/04/2017 **Internship as bioinformatician at enGenome**, Start-up based in Pavia, Italy.
- 01/10/2014-21/04/2017 **Master degree in Medical & Pharmaceutical Biotechnology**, University of Pavia, Italy.
- 01/09/2011-08/10/2014 **Bachelor degree as Biomedical laboratory technologist**, University of Pavia, Italy.

## Publications

- 21/08/2021 Evolution of mechanisms controlling epithelial morphogenesis across animals: new insights from dissociation-reaggregation experiments in the sponge *Oscarella lobularis*
- 29/07/2021 AnnoMiner is a new web-tool to integrate epigenetics, transcription factor occupancy and transcriptomics data to predict transcriptional regulators
- 13/07/2021 Prednisolone rescues Duchenne muscular dystrophy phenotypes in human pluripotent stem cell-derived skeletal muscle in vitro
- 06/01/2021 The Hippo pathway controls myofibril assembly and muscle fiber growth by regulating sarcomeric gene expression
- 24/01/2020 mitoXplorer, a visual data mining platform to systematically analyze and visualize mitochondrial expression dynamics and mutations

## Skills

- Programming:** Data analysis (Python, R, bash), full stack web-tool developer (MySQL/MongoDB, Python, Java, JS, PHP), version control (Git), creative coding (Processing), machine learning and deep learning (TensorFlow)
- Bioinformatics:** Multi -omics (RNA-seq/ChIP-seq/proteomics) data analysis, data integration (network analysis, enrichment analysis, clustering/unsupervised learning)
- Management:** Project managing, team building, scientific paper writing and communication

## Languages

Italian: First Language  
English: Academic level  
French: Good oral and writing skills

## Interests

Prototyping: Electronics (Arduino, MakeyMakey), creative coding (processing)  
Art: Generative art (processing), music (Ableton/PureData, voice, guitar and piano), comedian  
  
Sports: Skateboarding, snowboarding, surf, yoga and climbing