

# MARCO LORENZI

Date of birth: 1983

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## PROFESSIONAL EXPERIENCE

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12/2016 - present. Tenured research scientist (Chargé de Recherche). [Epione Research Group](#), Université Côte d'Azur, Inria, France.

09/2018 - present. Data-Science Consultant. [My Data Models](#) startup, France.

12/2016 - present. Honorary Research Associate. UCL, UK.

09/2015 - 11/2015. Visiting Research Associate. [Imaging Genetics Center](#), USC, CA, USA.

09/2014 - 11/2016. Research Associate. [Translational Imaging Group](#), UCL, UK.

04/2014 - 07/2014. Visiting postdoctoral fellow. UCL, UK.

01/2012 - 04/2014. Research Engineer. [Asclepios Research Group](#), Inria, France.

01/2011 - 05/2012. Statistical consultant. Clinical project [Pharmacog](#), with GlaxoSmithKline.

11/2007 - 09/2009. Laboratory assistant. [IRCCS Fatebenefratelli](#), Brescia, Italy

## EDUCATION

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### 2012. PhD

*Mention très honorable (highest degree)*

- University of Nice, France.
- Domain: Computer Science, Signal processing, Statistics.

### 2007. Master's degree in Mathematics

*110/110 cum laude (highest degree)*

- Università degli Studi di Torino, Italy.
- Domain: Algebra, Theory of Representations.

## TEACHING

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Since 2019. Bayesian Learning - Data Science Master, Université Côte d'Azur (30 hours per years)

Since 2018. Model Selection - Data Science Master, Université Côte d'Azur (30 hours per years)

## HONORS

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2020. Chair holder of the French *Interdisciplinary Institutes of Artificial Intelligence* (3IA).

2020. Accreditation to PhD supervision (HDR). French high-level specialization university-granted and higher education-sanctioned degree obtained post PhD needed to access the rank of *Professeur des Universités*

2019. Erbsmann Young Scientist Award for the paper of Sara Garbarino, at Information Processing in Medical Imaging International Conference (IPMI).

2018. Inria Research and Doctoral Supervision Award (PEDR)

2018. Nominated top 30% highest-ranked reviewers of the conference NeurIPS 2018.

2015. Selected UCL representative for the Global Young Scientists Summit 2016, Singapore University of Technology and Design.

2015. Second position ex-aequo for the 2015 ERCIM Cor Baayen Award (most promising European young researcher in computer science and applied mathematics).

2012-13-16. 'Travel Fellowship', Alzheimer's Association International Conference.

2011. Honorable Mention for the Erbsmann Award, at Information Processing in Medical Imaging International Conference (IPMI).

2010. Best oral presentation award at Spatio-Temporal Image Analysis MICCAI workshop

## RESPONSIBILITIES

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- Expert Panel member of the funding agency Flanders Research Foundation (Belgium).
- Grant proposal reviewer of funding agencies ANR (FR), EPSRC (UK), Association France Alzheimer (FR), Les Fonds de recherche du Québec (CA).
- Scientific Committee Member of the NeuroMod Institute of Université Côte d'Azur.
- Steering committee member of the Inria Sophia Antipolis technological platform in charge of Cluster, Grid, Cloud, and HPC technologies.

## EDITORIAL AND REVIEWING DUTIES

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2021-22. Area chair for the conference Medical Image Computing and Computer Assisted Intervention (MICCAI)

2021. Area chair for the conference Computer Vision and Pattern Recognition (CVPR)

2021-today. Editorial board member of Medical Image Analysis (Elsevier)

2020-today. Review Editor for Frontiers in Artificial Intelligence

2015-today: Member of the Board of Statisticians of the Journal of Alzheimer's Disease (IOS Press)

2014-2021: Editorial board member of Nature Scientific Report (NPG, Neurology Panel)

## SOFTWARE (SELECTION)

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Since 2020. Fed-BioMed, an open source platform for federated learning (<https://fedbiomed.gitlabpages.inria.fr/>)

2019. Multi-channel variational autoencoder ([https://gitlab.inria.fr/epione\\_ML/mcvae](https://gitlab.inria.fr/epione_ML/mcvae))

2013. LCC-logDemons non-linear image registration algorithm (<https://team.inria.fr/epione/en/software/lcclogdemons/>).

## RESEARCH PROJECTS

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### ANR project MITOMICS

French National Research Agency  
Role: WP leader

06/22 – 06/25  
EUR 200,000

<b>ANR JCJC project Fed-BioMed</b> French National Research Agency Role: PI	04/20 – 04/24 EUR 196,000
<b>PhD funding BoostUrCareer</b> Marie Skłodowska-Curie European Funding Scheme Role: PI	04/20 – 04/23 EUR 120,000
<b>Industrial Collaboration CIFRE</b> Accenture Labs France Role: PI	06/20 – 06/23 EUR 50,000
<b>Meta-ImaGen</b> Université Côte d’Azur (France) Role: PI	4/18 – 4/20 EUR 37,000
<b>Big Data for brain research</b> Department of Alpes Maritimes (France) Role: PI	2/17 – 2/20 EUR 70,000