

MARCO LORENZI

Date of birth: 1983

E-Mail: marco.lorenzi@inria.fr

Nationality: Italy

Domicile: Antibes, France

Phone: +33 4 92 38 76 62

Webpage: <https://marcolorenzi.github.io>

PROFESSIONAL EXPERIENCE

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

06/2022 – present. Visiting Senior Lecturer. King's College London, UK.

09/2018 – 09/2020. Data-Science Consultant. [My Data Models](#) startup, France.

12/2016 – 12/2019. Honorary Research Associate. UCL, UK.

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

06/2014 - 11/2016. Research Associate. [Translational Imaging Group](#), UCL, UK.

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

01/2013 - 06/2014. 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

2020. **Habilitation à Diriger des Recherches (HDR)**

- Université Côte d'Azur, France.
- Highest national diploma of Higher Education (enables application to Research Director position)

2012. **PhD** *degree*

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

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)

SUPERVISION

PhD

- Ongoing: Etrit Haxholli, Yann Fraboni, Lucia Innocenti, Santiago Smith Silva Rincon, Riccardo Taiello
- Completed: Giorgos Lazaridis, Clément Abi Nader, Luigi Antelmi, Jaume Banus, Raphaël Sivera

Postdoc

- Ongoing: Marie Deprez, Ghiles Reguig
- Completed: Irene Balelli, Sara Garbarino

Research Engineers

- Ongoing: Francesco Cremonesi, Sergen Cansiz, Yannick Bouillard

Internships

- Completed: Samy-Safwan Ayed, Hava Chaptoukaev, Andrea Senacheribbe, Santiago Smith Silva Rincon

HONORS

- 2020. Chair holder at 3IA Côte d'Azur (axis Core Elements of AI).
- 2018. Inria Research and Doctoral Supervision Award (PEDR)
- 2018. Highest ranked reviewer (top 30%) of the conference NeurIPS 2018.
- 2015. Second position ex-aequo for the 2015 ERCIM Cor Baayen Award (most promising European young researcher in computer science and applied mathematics).
- 2011. Honorable Mention for the Erbsmann Award, at Information Processing in Medical Imaging International Conference (IPMI), one of the most prestigious awards of the medical imaging community.

As supervisor:

- 2022. Best Paper Award at the workshop FL-IJCAI'22 obtained by Yann Fraboni for the work "A General Theory for Client Sampling in Federated Learning".
- 2019. Erbsmann Award for the work "Modeling and Inference of Spatio-Temporal Protein Dynamics Across Brain Networks", presented by Sara Garbarino at the international conference Information Processing in Medical Imaging International Conference (IPMI), one of the most prestigious medical imaging awards.

RESPONSIBILITIES

- Since 2018. Grant reviewer for the Agence Nationale de la Recherche, (ANR France), Flanders Research Foundation (FWO, Belgium), Fonds de recherche du Québec en Santé (FRQS, CA), EPSRC (Engineering and Physical Sciences Research Council, UK), Fondation France Alzheimer (France).
- Steering committee member of the Inria Sophia Antipolis technological platform in charge of Cluster, Grid, Cloud, and HPC technologies.

EDITORIAL AND REVIEWING DUTIES

- Area Chair of Conf. on Computer Vision and Pattern Recognition (CVPR 2021-2023)
- Area Chair of Conf. Medical Image Computing and Computer Assisted Intervention (MICCAI 2021-2022)

- Editorial Board Member of Medical Image Analysis (Elsevier) since 2021 (handling 2/3 papers/month)
- Editorial Board Member of Scientific Reports (Nature Publishing Group) from 2014 to 2021. I quit my role for incompatibility with the editorial policy on number and research focus of the published work.
- Scientific Committee Member of the international AI conference SophIA Summit 2022. Invitation of international speakers Prof. Daniel Rückert and Wiro Niessen. Round table organization, poster selection.

SOFTWARE (SELECTION)

- Since 2018. Fed-BioMed, an open source platform for federated learning (<https://fedbiomed.gitlabpages.inria.fr/>)
- Since 2016. Gaussian Process Progression Model (https://gitlab.inria.fr/epione/GP_progression_model_V2)
- 2019. Multi-channel variational autoencoder (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

Franco-German bilateral program for AI: project Train French National Research Agency Role: co-PI	06/23 – 06/27 EUR 1,200,000
PRTK project FEDERATED-PET French Institut National du Cancer (INCa) Role: co-PI	12/22 – 12/26 EUR 1,000,000
ANR project MITOMICS French National Research Agency Role: WP leader	06/22 – 06/25 EUR 200,000
Multimodal Dynamic Modelling of Parkinsonian Symptom Progression Michael J. Fox Foundation for Parkinson's Research Role: WP leader	01/23 – 01/27 EUR 200,000
H2020 project EUCAIM European Union Role: WP participant	10/22 – 10/26 EUR 200,000
ANR JCJC project Fed-BioMed French National Research Agency Role: PI	04/20 – 04/24 EUR 196,000
PhD funding BoostUrCareer Marie Skłodowska-Curie European Funding Scheme Role: PI	04/20 – 04/23 EUR 120,000
Industrial Collaboration CIFRE Accenture Labs France Role: PI	06/20 – 06/23 EUR 50,000

Meta-ImaGen

Université Côte d'Azur (France)

Role: PI

4/18 – 4/20

EUR 37,000

Big Data for brain research

Department of Alpes Maritimes (France)

Role: PI

2/17 – 2/20

EUR 70,000