

Date of birth: 15th February 1982

Nationality: French

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[NIH BioSketch](#)

Github organization: github.com/IARCbioinfo

Website: www.rarecancersgenomics.com

Computational Cancers Genomics Team

Genomic Epidemiology Branch

International Agency for Research on Cancer (IARC-WHO)

25 avenue Tony Garnier, 69007 Lyon, France

Email: fmllm@iarc.who.int

Research Group: www.iarc.who.int/teams-ccg/

Professional Appointments

- 2021-on **Team Leader**, International Agency for Research on Cancer (IARC-WHO), Lyon, France
- 2014-2020 **Scientist**, International Agency for Research on Cancer (IARC-WHO), Lyon, France
- 2012-2014 **Staff Research Scientist**, Swiss Federal Institute of Technology, Lausanne, Switzerland
- 2007-2012 **Postdoctoral Researcher**, Institute of Ecology and Evolution, University of Berne, Switzerland

Honors and awards

- 2024-on **Member of the WHO classification of tumours 6th edition subcommittee on computational pathology**, International Agency for Research on Cancer (IARC-WHO), tumourclassification.iarc.who.int/
- 2023 **Young investigator award**, International Mesothelioma Interest Group (iMig), imig.org
- 2022-2024 **Chair of the of the Rare Cancers Working Group**, European Prospective Investigation into Cancer and Nutrition (EPIC), epic.iarc.who.int
- 2022-on **Chair of the Data Science Steering Committee**, International Agency for Research on Cancer (IARC-WHO)
- 2021-on **Chair of the Health Technologies Pillar**, Scientific Steering Committee of the Lyon Auvergne Rhône-Alpes Canceropole (CLARA), www.canceropole-clara.com
- 2021-on **lung NET task force member**, European NEuroendocrine Tumors Society (ENETS), www.enets.org
- 2016-on **Scientific Committee member**, French MESOBANK (virtual mesothelioma national biobank), www.netmeso.fr/netmeso/mesopath-et-mesobank

Education

- 2004-2007 **PhD in Population Genetics and Evolution**, University of Grenoble, France. theses.hal.science/tel-00216192/
- 2001-2004 **MSc Computer science and Applied Mathematics, specialization in Bioinformatics**, Grenoble Institute of Technology ENSIMAG, Grenoble, France.

Personal Statement

I am a computational biologist with extensive training in applied mathematics, computer science, bioinformatics, and statistical genetics. During my doctoral and postdoctoral training, I focused on developing new statistical and computational methods to analyze large genomic datasets, including approaches for Bayesian inference, population genetics, and variant detection. Over the past decade, I have led interdisciplinary teams integrating genomics, transcriptomics, and pathology imaging data to advance translational cancer research. In addition to my role as Team Leader, I also coordinate the bioinformatics efforts at the International Agency for Research on Cancer (IARC-WHO). I am particularly involved in the molecular characterization of thoracic tumors such as lung neuroendocrine neoplasms and malignant pleural mesothelioma; in 2015, I created the Rare Cancers Genomics initiative together with Dr. Lynnette Fernandez-Cuesta. As part of these efforts, I have developed and supervised multiple open-source software projects aimed at ultra-sensitive variant calling, integrative multi-omics pipelines, and, more recently, deep-learning-based image analysis, which have accelerated the discovery of new diagnostic and prognostic biomarkers.

Publications

82 publications in international peer-reviewed scientific journals, including 9 publications as first/co-first author, and 15 publications as last/co-last/corresponding author.

14'406 total citations, h-index: 44 (source: [Google Scholar](https://scholar.google.com/citations?user=...)).

Full list available at [Google Scholar](https://scholar.google.com/citations?user=...) and [My NCBI Bibliography](https://pubmed.ncbi.nlm.nih.gov/...).