

Date of birth: 15<sup>th</sup> February 1982

Nationality: French

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[NIH BioSketch](#)

Github organization: [github.com/IARCbioinfo](https://github.com/IARCbioinfo)

Website: [www.rarecancersgenomics.com](http://www.rarecancersgenomics.com)

Computational Cancers Genomics Team

Genomic Epidemiology Branch

International Agency for Research on Cancer (IARC-WHO)

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Research Group: [www.iarc.who.int/teams-ccg/](http://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 6<sup>th</sup> edition subcommittee on computational pathology**, International Agency for Research on Cancer (IARC-WHO), [tumourclassification.iarc.who.int/](https://tumourclassification.iarc.who.int/)
- 2023 **Young investigator award**, International Mesothelioma Interest Group (iMig), [imig.org](https://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](https://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](http://www.canceropole-clara.com)
- 2021–on **lung NET task force member**, European NEuroendocrine Tumors Society (ENETS), [www.enets.org](http://www.enets.org)
- 2016–on **Scientific Committee member**, French MESOBANK (virtual mesothelioma national biobank), [www.netmeso.fr/netmeso/mesopath-et-mesobank](http://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/](https://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](#)).

Full list available at [Google Scholar](#) and [My NCBI Bibliography](#).