Education

PHD CANDIDATE IN COMPUTATIONAL ONCOLOGY
- Thesis title: "Machine learning models of tumor progression based on multi-omics and clinical data"
- Co-supervisors: Dr. Vera Pancaldi and Dr. Andrei Zinovyev
- Committee members: Dr. Manlio De Domenico and Dr. Manuel Diaz-Munoz

- CIFRE funding
- CARe labelling
- Member of COMET (Student Scientific Committee) from CRCT
- Representative of doctoral students, Doctoral school BSB (Biology, Health and Biotechnology)

2026

2022

MASTER OF SCIENCE IN BIOINFORMATICS
- Graph processing
- Data mining
- Deep Learning - Neural networks
- Machine Learning
- Post-genomic data processing (NGS)
- Integration of heterogeneous data
- In silico annotation of genomic sequences - HMM
- Systems biology
- Multivariate data analysis
- Advanced linear modeling

INSTITUT DES HAUTES ÉTUDES DE DÉFENSE NATIONALE (126E CYCLE IHEDN-JEUNES)
- Geopolitics
- International relations
- Multilateralism
- Defense and security (cybersecurity and space defense)
- Economic intelligence

2021

2020

BACHELOR OF SCIENCE IN BIOCHEMISTRY, MOLECULAR BIOLOGY AND MICROBIOLOGY
- Microbial cell structure and function, microbial genetics and related pathologies
- Function, composition and structure of lipids, proteins and carbohydrates
- Genomics and genetics, including eukaryotic and prokaryotic and DNA repair/replication

BACHELOR OF SCIENCE IN MATHEMATICS
- Mathematical analysis : differentiation, integration and series
- Algebra
- Statistics and probability

2018