

GEOFFREY PAWLAK

PharmD, PhD Student

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📍 Lille, FR

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WORK EXPERIENCE

PhD

UMR9020 CNRS – U1277 Inserm - ONCOLille - CANTHER « Cancer Heterogeneity, Plasticity and Resistance to Therapies »

📅 Nov 2021 - current

📍 Lille
FR

- Use artificial intelligence algorithm to uncover cancer mechanisms in a biological network way from transcriptomics data and integrate omics data into statistical and machine learning and deep learning analysis.
- Develop a web application to enable researchers to interact with our work and upload their own data into it in order to extract relevant insights.
- Interact with biological teams through conferences and meetings to communicate our results and influence the course of research.

Master 2 training

UMR9020 CNRS – U1277 Inserm - ONCOLille - CANTHER « Cancer Heterogeneity, Plasticity and Resistance to Therapies »

📅 June 2020 - Sept 2021

📍 Lille
FR

- Familiarization with the laboratory's machine learning algorithms, research into unsupervised clustering algorithms and expression data for lung cancer.
- Determination of the results of unsupervised clustering using cell line pharmacological sensitivity data.

Master 1 training

INSERM UMR-S 1136 : Epidemiology of Allergic and Respiratory Diseases" team

📅 March 2019 - Sept 2019

📍 Paris FR

- Study of the links between pollution and sleep apnea syndrome. Analysis of personal pollution records and patient clinical data.
- The use of descriptive and inferential statistics and machine learning enabled us to identify exposure variables linked to sleep apnea syndrome.

EDUCATION

Doctoral

System biology and Artificial intelligence

ONCOLille Cancer Institute

📅 Nov 2021 - current

📍 Lille

Doctoral

Pharmacy

University of Lille

📅 Sept 2013 - Dec 2021

📍 Lille

SKILLS

Biology

- Pharmacology
- Physio-pathology
- Toxicology
- Pharmacokinetics / dynamics
- Biochemistry

Computer science

- Machine learning
- Deep learning
- Biostatistics
- Cloud computing (GCP)
- Data visualization
- Web app. design
- Data management
- Web-scraping

Programming language

- R
- Python
- SQL
- Bash