



✉ rahimbenmoussa@gmail.com

☎ +41 (0)762043068

📍 Avenue du Mont-Blanc 20, Gland, Vaud, Switzerland (Swiss Resident, B permit Vaud)

🌐 [Linkedin](#) [Github](#) [Scholar](#)

WWW.ABDERRAHIM-BENMOUSSA.COM

EDUCATION

- **Université Laval, Québec, Canada**
Ph.D. In Cell and Molecular Biology
Completed in 2019
- **Université De Caen, France**
Master In Biomedical Sciences
Completed in 2014

RELEVANT COURSEWORK

- Summer school : Intensive training in AI and ML In nutrition and metabolism (40 hours - SCAI - Paris)
- Agile Project Management - Google (25 hours)
- Data analysis, Data Visualization with Python, Python 101 - IBM (40 hours)
- JavaScript : Algorithms and Data Structures - freeCodeCamp (300 hours)
- Biostatistics, Machine Learning, Data Mining, Probability Theory, Statistical Computing, R for biostatistics, SAS, SPSS (UniCaen, Ulaval)

CORE SKILLS

- Python, R, Tableau, Git, SAS, SPSS, KNIME, Rapidminer, Colab, AutoML
- Experience with Pandas, NumPy, Seaborn, SciKit-Learn, TensorFlow
- Analytical skills, integrative mind, R&D
- Strategic and Critical Thinking, project management (Agile)
- Teamwork and problem solving skills
- Continuous learning and growth mindset, Autodidact
- Effective communication and public speaking, scientific writing, illustration
- Trilingual FR/EN/ES, learning GE (A2)
- Active training: AI For Business Specialization (University Of Pensilvania)

HOBBIES

Hiking Writing
Photography Volunteering
Travel Founder of [Ethical AI](#)

Abderrahim Benmoussa, PhD

Expert in Biomedical and Data Sciences

PROFILE

Ph.D. in Biomedical and Data Sciences with 10 years of international academic experience. Known for pragmatic rigor and analytical thinking, I excel in project leadership and interdisciplinary collaboration. As a strategic thinker and adept communicator, I frequently serve as a catalyst for uniting teams toward shared objectives. Highly adaptable and quick learner, I aim to transition my years long expertise in data science and AI/ML into industry abilities via real life challenges in Data Science and AI / Machine Learning.

EXPERIENCE

Université de Montréal | Postdoc - Biomedical & Data Scientist October 2019 – Present

I spearheaded three clinical research projects in cancerology, employing observational study designs to uncover actionable insights. As the driving force behind the data science arm of five multi-disciplinary initiatives, I managed an end-to-end pipeline: from lab work and multi-omics analysis to machine learning model development. My meticulous data wrangling and quality control measures resulted in highly accurate predictive models in both time-series and cross-sectional studies. I successfully disseminated these findings through 15+ high-impact conferences, garnering \$300K in research funding and catalyzing five in-progress publications.

Key skills : R&D, Clinical study design, Actionable insights, Data science, Multi-disciplinary initiatives, Project management, Lab work, Multi-omics analysis, ML, Data wrangling, QC, Predictive modeling, Time-series & Cross-sectional studies, Research dissemination, Conference presentations, Research funding, Academic publishing

Canadian Reproducibility Network | WebDev & manager February 2022 – Present

I designed (UI, UX), developed and hosted the website (wordpress, HTML, CSS, JS), set the infrastructure for network building (repository, forms), reaching strategies, security, mailing lists and SEO, ML-based translation leading to the continuous growth of the network. [Link](#)

Key skills : UI/UX Design, Web Dev, WordPress, HTML, CSS, JS, Network Infrastructure, Repository Management, Form Creation, Outreach Strategies, Security, Mailing Lists, SEO, ML-based Translation, Network Growth

Softwords Consulting | Scientific contributor - Data Mining April 2021 – January 2023

I provided Scientific input and validation for a new relational data-mining algorithm based in clinical sciences, provided scientific intelligence, performed gaps identification, gave insight and user feedback. I also engaged in key user outreach, through conference attendance, presentation, advocacy leading to the first sales of this service. [Link](#)

Key skills : Sci input, data-mining, validation, sci intelligence, gap identification, user feedback & outreach, conf attendance, presentation, advocacy, sales

CMDO Network | Event Manager - IA & Data Mining conference Mai 2021 – November 2022

I coordinated the international Artificial Intelligence and Data Mining in Health Sciences conferences in 2021 and 2022, successfully uniting industry and academia from four countries. I oversaw all aspects, from speaker curation to technical logistics, and executed financial planning to achieve a 96+% attendee satisfaction rate. Additionally, I built the event website, managed ticketing, and facilitated R-based training and workshops on AI and ML in healthcare, securing the event's renewal for 2022 and 2023. [Link](#)

Key skills : AI/ML, Data Mining, Conf. Management, Speaker Curation, Logistics, Financial Planning, Web Dev, Ticketing, R, Training, Workshop Facilitation, Intl. Coordination

Université de Montréal | Adjunct professor in biostatistics September 2020 – december 2020

I developed and taught a 2-credit Biostatistics course for over 80 undergraduate students, achieving a 98% success rate and a median grade of 88/100. Coordinated the educational team, developed the curriculum (statistical analysis, critical thinking, modeling, introductory AI/ML, SPSS). Earned a student satisfaction rating of 4.5/5.

Key skills : Curriculum dev, teaching, biostatistics, team leadership, statistical analysis, critical thinking, modeling, intro AI/ML, SPSS, student satisfaction metrics

Université Laval | PhD Candidate - Junior Scientist October 2014 – September 2019

Conducted key preclinical studies in inflammation and immune or infectious diseases like IBD, HIV and Ebola. Innovated lab and computational experiment methods. Mentored new scientists, led global partnerships, and streamlined tests. Secured grants, published impactful papers, and spoke at international science events. A leader in research and team innovation.

Key skills : Preclinical research, anti-inflammatory IBD, HIV, Ebola, lab tech, computational work, mentorship, global collaboration, testing, grants, publishing, presentations, research management, team creativity