



Abderrahim Benmoussa, Ph.D.

Ph.D., Preclinical & Clinical Scientist, #Immunology #Diabetes #Cancer #Therapy

As a seasoned biomedical scientist with a decade of experience in life biology and biomedical research, I have a proven track record of successfully leading 10 preclinical and clinical projects in immunity, cancer and cardiometabolism. My strong collaboration skills and experience working with private companies, medical doctors, and engineers have allowed me to foster international partnerships and bring innovative solutions to the table. My technical skills in using technologies, programming and data analysis, as well as my fluency in multiple languages, have enabled me to effectively communicate scientific data and engage with health care providers. With a creative and integrative thinking approach, I am dedicated to understanding the complexities of diseases and their therapies and how they can be managed integratively. I am now seeking opportunities to be a catalyst in a cross-functional team as a bridge between medical teams, scientists, and HCPs, KOLs or engineers to help companies accelerate research, identify gaps in the practice and bring life-changing medicines to patients.

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Geneva, Switzerland (starting 24th of March 2023) - Nationality : France

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WORK EXPERIENCE

Postdoctoral Researcher - Immuneaging, inflammation, cancer, microbiota Université de Montréal

09/2019 - 03/2023

Montréal, Québec, Canada

Achievements/Tasks

- Lead and coordinate multiple projects around cancer, chemotherapies, immunity, gut microbiota, identify issues, deep literature dives, propose solutions, project and experiment planning, roamapping
- Plan and perform data and sample collection, interact with patients, doctors and health personnel, coordinate research efforts between key leaders, stakeholders, networking, foster collaborations
- Design, plan & lead preclinical research, in silico, in vitro and in vivo on models of cancer, on inflammation, immunity and premature aging.
- Create and manage database, analyze data - develop data analysis pipelines and models, provide advice on statistical data analysis and modeling, integrate multidimensional and multiomic data
- Train, manage and mentor trainees and students, participate in team efforts, troubleshooting and process improvement
- Share results in international events, write manuscripts and funding applications, produce scientific illustrations, scientific and tech watch, gather trends from the field and scientific events, organize events
- Budget and financial previsions, product and material review, quote, placing orders, inquiry and purchase

Scientist Contributor - PeekABoo.AI Softwords Consulting

04/2020 - Present

Montréal, Canada

<https://softwords.ca/product/peekabooai>

Achievements/Tasks

- Understand the scientific needs and work with computer scientists and company leads to plan the adaptation of the product to solve complex scientific problems, identify key organizations and leaders
- Provide feedback on both UI/UX and product functionalities
- Propose development ideas and scientifically validate use-cases in cancer research (publication in process), scientific troubleshooting
- Disseminate the product and provide feedback from potential users, update the team on trends and expectation from the field, promotion and advocacy, technical and scientific watch

Research Assistant - Sustainable Development Sciences

Université Laval - Canada Research Chair in Internalization of Sustainable Development and Organizational Accountability

03/2021 - 05/2021

Québec, Canada

Achievements/Tasks

- Organize interviews with specialist in sustainable development of businesses
- Develop communication platform and material for the network, edit and publish videos
- Develop social networks and marketing of the initiatives, promote the achievements, network building

SKILLS

Integrative pre/clinical research

Identify issues, strategize, find solutions

Advocacy, networking, teamworking

Scientific and tech watch, teaching, transfert

Writing & oral communication

Project leadership and team management

Office suite, Programming and data analysis

PERSONAL PROJECTS

Created and coordinate the AI and data-mining conference of the CMDO network (05/2021 - Present)

<https://www.iamdrs-2022.ca/>

Helped develop a technological tool to assist doctors in fighting COVID-19 (04/2020 - 01/2021)

<https://www.bibliovid.org>

Developing the Canadian Reproducibility Network (CaRN) (11/2021 - Present)

• Writing the terms of reference

• [Setting-up the website at https://www.carn-recar.ca/](https://www.carn-recar.ca/)

Developing EKKI, a habit-building application (01/2022 - Present)

• Low-code development based on cognitive sciences (pre-alpha)

WORK EXPERIENCE

Lecturer in Biostatistics

Department of Nutrition, Faculty of Medicine, University of Montreal, Québec, Canada

08/2020 - 12/2020

Montréal, Québec, Canada

Achievements/Tasks

- Develop course material, video capsules, powerpoints and organize course sessions, teach
- Recruit and manage teaching assistants, coordinate the team and assign tasks
- Train students in practical application of statistics and data-analysis
- Prepare and grade exams, provide feedback

Academic Advisor

Department of Nutrition, Faculty of Medicine, University of Montreal

10/2020 - 12/2020

Montréal, Québec, Canada

Achievements/Tasks

- Field dives and information gathering, course preparation and advice, pedagogic troubleshooting
- Student stewardship and technical troubleshooting of the e-learning platform
- Material revision and exam preparation

Ph.D. Candidate in Biomedical Research

Université Laval

10/2014 - 09/2019

Québec, Canada

Tasks

- Design and manage multiple research projects, led preclinical research *in vitro*, *ex vivo*, *in vivo*, *in silico*, coordinate multiple research teams, foster collaboration, train and manage trainees
- Develop and validate preclinical scientific protocols, Improve processes and methods, develop molecular network analysis pipeline, active troubleshooting and scientific watch
- Write fellowship applications and research manuscripts, communicate results efficiently, present results at international events, gather information, trends and ideas from scientific events

Research Trainee in preclinical Cancer therapy development

Université de Caen Normandie - Unité MILPAT / BIOTICLA

04/2011 - 07/2014

Caen, France

Achievements/Tasks

- Develop and update cell and molecular biology protocols to kill cancer cells *in vitro*
- Cultivate cancerous and healthy primary cells isolated from human samples
- Develop my research project and lead collaborative efforts, setup safety protocols

EDUCATION

Philosophae Doctor (Ph.D)

Faculty of medicine, Université Laval

10/2014 - 09/2019

Québec, Canada

Project

- Identify bioactives in biological fluids and their impact on immunity during inflammatory diseases

Masters Biomedical Research spe. Physiology, immunity, differentiation, genetics, Cancers (PIDG-IC)

Université de Caen Normandie

09/2012 - 07/2014

Caen, France

Project

- Pre-clinical validation of anti-cancer microRNAs on cancers resistant to chemotherapy

License Spe. Microbiology

Université de Caen Normandie, France

09/2009 - 07/2012

Caen, France

PERSONAL PROJECTS

Active Contributor - Elicit AI (04/2022 - Present)

- Using AI to accelerate bibliographic research

ACHIEVEMENTS

30+ high-impact scientific publications

Gave 33 talks, mainly in english during international event

Won 20+ prestigious awards

Raised 450 000 \$ in competitive funding

Mentored 9 students

Organized and managed 2 international scientific conferences

Climbed 40+ mountains (hiking)

LANGUAGES

English



French



Spanish



Javascript



Arabic



Python



German



INTERESTS

Artificial intelligence

EDI

Machine learning

Nutrition

Healthy aging

Traveling

Programming

Volunteering

Networking

Technology

Hiking

Ecology

Health