

# LYNDA MARIE CLÉMENCE AGBO

Ph.D. in molecular medicine

## PROFILE

Holding a Ph.D. in Molecular Medicine, I am currently pursuing a postdoctoral fellowship focused on DNA repair mechanisms in the context of Fanconi anemia. I also hold a bilingual Master's degree in Cancer Biology and two Bachelor's degrees in Molecular Biology and in Human Biology Engineering. My research centers on understanding signaling pathways and molecular alterations in cancer cells.

Specialized in cellular and molecular biology, proteomics, and genome editing (CRISPR/Cas9), I am particularly interested in identifying novel therapeutic targets. Beyond research, my strong commitment to academic and community engagement has allowed me to develop solid skills in team management, financial oversight, and project coordination through various leadership roles in student and scientific organizations. This combination of scientific expertise and human-centered involvement is at the core of my professional approach.

## WORK EXPERIENCE

### Post-doctorate researcher

FEV 24 - current

Sant Pau research institute

Topic: Investigation of synthetic interactions involved in Fanconi anemia

Director : Dr Jordi, Surrallés • Barcelone- Espagne

### Director of fundraising (The 2nd Lab)

FEV 23 - NOV 23

Sourcing and securing funding for the non-profit organization

### PhD researcher in molecular medicine

MAY 18 - DEC 22

Research Center of the CHU de Québec - Université Laval

Topic: Characterization of bromodomain-dependent functions of mSWI/SNF complexes in breast cancer

Director: Dr Jean-Philippe, LAMBERT • Quebec - CANADA

### Master's student in cancer biology (2nd year)

FEB 17 - JUL 17

Cancer Research Institute of Montpellier

Topic: Role of E4F1 in the epithelial-mesenchymal transition of breast cancer cells

Mission : Implementation of the ChIP-qPCR protocol on 4 cell lines Luciferase test to evaluate the interaction of E4F1 with the Zeb1 promoter

Director: Dr Claude, SARDET • Montpellier - FRANCE

### Master's student in cancer biology (1st year)

FEB 16 - JUN 16

Cancer Research Institute of Montpellier

Topic: Role of Tip80 protein in genotoxic stress

Mission: To examine the relocation of Tip80 after genotoxic stress

Director: Dr Charles THEILLET • Montpellier- FRANCE

### Bachelor's student in biomedical analysis

JUN 14-SEP 14

Mother and Child Hospital Lagoon (HOMEL-COTONOU)

Topic: Importance of reticulocyte count in the etiological diagnosis of anemia

Mission: To carry out the reticulocyte count test on 910 patients in order to make the etiological diagnosis

Director : Dr Adolphe, TOPANOU • Cotonou - BENIN

## CONTACT

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E-MAIL : lyagb@ulaval.ca

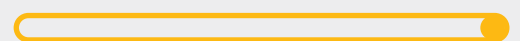
WEBSITE : [www.lyndaagbo.com](http://www.lyndaagbo.com)

## SKILLS

Use of databases	Microsoft office
DNA/RNA extraction	Electrophoresis
Plasmid transfection	Wound healing
Lentivirus production	Western blot
Proximity biotinylation	RT-qPCR
Cell fractionation	GraphPad
Lentiviral transduction	Image J
Genomic editing	PRISM
Cell culture	Cloning
Flow cytometry	siARN
Adobe Photoshop	ChIP
Adobe Illustrator	AP-MS
Human resources management	Team spirit
Event planning	Leadership
Organizational agility	Autonomy
Financing research	Critical thinking
Negotiation skills	Problem solving
Project management	Time management
Team management	Work ethic

## LANGUAGE

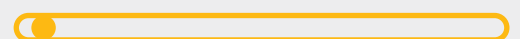
### FRENCH



### ENGLISH



### SPANISH



## PUBLICATIONS

Agbo,L., Lambert, J.P. Functional characterization of the BRD7 and BRD9 homologues within mSWI/SNF complexes in the context of invasive lobular carcinoma. Journal of Proteome Research. 2023, 22, 1, 78–90

Agbo,L., Lambert, J.P. Comprehensive Interactome Mapping of Nuclear Receptors Using Proximity Biotinylation . In: Geddes-McAlister, J. (eds) Proteomics in Systems Biology. Methods in Molecular Biology, vol 2456. Mai 2022

C KHOTARI, MA Osseni, L Agbo, G Ouellette, M Déraspe, F Laviolette, J Corbeil, J-P Lambert, C Diorio, F Durocher Machine learning analysis identifies genes differentiating triple negative breast cancers. Scientific reports. Volume 10. Juin 2020. 10464

Agbo,L., Lambert, J.P. Proteomics contribution to the elucidation of the steroid hormone receptors functions. The Journal of Steroid Biochemistry and Molecular Biology. Volume 192, September 2019, 105387

Agbo,L., Reine ,D,GBONGBON. Place de la numération des réticulocytes dans le diagnostic étiologique de l'anémie chez les patients à l'Hôpital de la Mère et de l'Enfant - Lagune (HOMEL). <http://biblionumeric.epac-uac.org:8080/js-pui/handle/123456789/1124>

## VOLUNTEERING

President, Laval Graduate Student Association (AELIÉS) (May 22 - Jan 23)

President, Association des Béninois (es) de Québec (Dec 21 - Aug 22)

Vice-Chairwoman of the Board, COOP ZONE (Nov21 - May22)

ULaval selection jury for the 23rd and 24th Osentreprendre challenges

Member of the organizing committee for the 89th ACFAS 2022 conference at UL (Jun 21 - Jun 22)

Member of the research commission at Université Laval (Sep 21 - May 22)

Vice President, Studies and Research, Laval Graduate Student Association (AELIÉS) (Nov 20 - Apr 22)

Member of the Board of Directors of the International Network of Young African Leaders (RIJLA) (Mar 21 - Mar 22)

Board member, COOP ZONE (Nov 20 - May 22)

CABQ (Centre d'Action Bénévole du Québec) volunteer (Since Apr 2020)

## EDUCATION

2018-2023

**Ph.D. in molecular medicine**

Université Laval - Québec - Canada

2015-2017

**Master of Sciences in cancer-biology**

Université de Montpellier - Montpellier - France

2014-2015

**Bachelor of Sciences in cellular and molecular biology**

Université de Montpellier - Montpellier - France

2011-2014

**Bachelor of Sciences in human biology engineering biomedical concentration**

Ecole polytechnique d'Abomey-Calavi - Cotonou - Bénin

## AWARDS

2023

- 1st author Publication grant

2022

- 1st Prize for the AVENIR Personality 2e et 3e cycles of Université Laval

- FPPU/SPPROC scholarship 2022

2021

- Endocrinology and nephrologie Outreach grant

- 1st Prize for the presentation of endocrinologie- néphrologie axis

- End of doctoral studies scholarship

2020

- Desjardins Training Grant for Research and Innovation

- 1st Prize presentation < Ma thèse en 3 minutes> organized by Biotech Connect

2019

- 1st author Publication grant

- Scholarship for passing doctoral examen (grade A)

- English Achievement Scholarship - advanced level 1