

Hady AL SHAMI

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EDUCATION

PhD in Cellular and Developmental Biology (2023-2026) Université Paris Sciences et Lettres, École Doctorale “Complexité du Vivant” CDV 515
Master 2 of Biologie-Santé in Biologie du Cancer (2022-2023) Université de Montpellier, Faculté des Sciences de Montpellier
Research Master 2 in Genomics & Health (2019-2020) Lebanese University, Faculty of Sciences
Master 1 in Biochemistry (equivalent to Bachelor in Education)(2018-2019) Lebanese University, Faculty of Sciences
Bachelor of Science in Biochemistry (2015-2018) Lebanese University, Faculty of Sciences

LABORATORY EXPERIENCE

- **PhD candidate in Cellular and Developmental Biology: Impact of splicing events on oocyte meiotic division and development** (September 2023-present) Collège de France, Centre interdisciplinaire de recherche en biologie (UMR 7241 – U1050), Oocyte Mechanics & Morphogenesis – Paris, France

Thematics: Cellular Biology, Developmental Biology, Biophysics, Biostatistics, & Bioinformatics

- **Master 2 Cancer Biology internship: Functional studies of the epigenetic enzymes SUV4-20H1 & SUV4-20H2 in prostate cancer cell lines** (January-June 2023) L'Institut de Recherche en Cancérologie de Montpellier (U1194), Epigenetic Regulation & Cancer laboratory – Montpellier, France

Thematics: Cancerology, Epigenetics, Biochemistry, & Cellular Biology

- **Research Assistant: Healthcare quality management, reporting patient safety indicators, & carrying out internal audits** (November 2021-April 2022) American University of Beirut Medical Center, Department of Obstetrics & Gynecology – Beirut, Lebanon

Thematics: Obstetrics & Gynecology, Healthcare Management, Quality & Internal Audits

- **Research Assistant: Therapeutic approaches of cancer & DNA damage in several cellular models** (June-September 2020) Lebanese University, Faculty of Sciences, Genomic Surveillance & Biotherapy laboratory – Hadat, Lebanon

Thematics: Cellular Biology, Molecular Biology, Epigenetics, & Cancerology

- **Research Assistant: Genomic DNA quantification & extraction from whole peripheral blood of Epilepsy patients** (March-May 2020) American University of Beirut, Faculty of Medicine, Pharmacology & Toxicology laboratory – Beirut, Lebanon

Thematics: Molecular Biology & Genomics

- **Research Master 2 Genomics & Health internship: Pharmacogenetics of dexamethasone in children treated for Acute Lymphoblastic Leukemia** (February-June 2020) American University of Beirut, Faculty of Medicine, Pharmacology & Toxicology laboratory – Beirut, Lebanon

Thematics: Pharmacogenetics, Pharmacology, & Toxicology

- **Medical laboratory internship: Clinical tests carried out on biological specimens to obtain information about the health of a patient to aid in diagnosis** (July 2018) Doctors' Center Laboratory – Beirut, Lebanon

Thematics: Endocrinology, Hematology, Chemistry, Bacteriology, & Parasitology

PRACTICAL KNOWLEDGE & TECHNIQUES

Animal handling & experimentation, oocyte isolation, spinning disk confocal microscopy, Immunofluorescence, Transcription In Vitro, plasmid cloning, Co-immunoprecipitation, genomic DNA extraction & quantification, TaqMan SNP genotyping assay, real-time PCR, MTT assay, cell culture techniques, western blot, protein extraction & quantification, blood sample processing & storage (DNA, serum, RNA), antibiogram, clinical tests (syphilis, rubella, malaria...)

HONORS & AWARDS

- **SIRIC Montpellier Cancer Scholarship: Aims to support & encourage the placement of international students & young researchers in one the cancer research laboratories of Montpellier** (October 2022) SIRIC Montpellier Cancer – Montpellier, France

NON-ACADEMIC WORK EXPERIENCE

- **Education Field Coordinator: management of educational and vocational training programs aimed to support youth of Syrian refugees, Lebanese hosting communities and Palestinian refugees** (April-August 2022) American Near East Refugee Aid – Beirut, Lebanon
- **Retention Support Educator: implemented retention support educational programs in Syrian refugee communities** (March-September 2021) Common Effort Organization & Save the Children – Beirut, Lebanon
- **Early Childhood Educator: implemented early childhood educational programs in Syrian refugee communities** (July-November 2020) War Child Holland – Beirut, Lebanon

SKILLS & EXTRACURRICULARS

- **Volunteer at the Lebanese Red Cross Youth Department (January 2018-February 2020) – Beirut, Lebanon**
- **IT Skills:** MS Office, Graph Pad Prism, EPIC software, Enrichr, ImageJ, Ensembl, Adobe Illustrator 2020, Metamorph
- **Languages:** English (C2), French (B1), Arabic (Native)

PUBLICATIONS

- **AL SHAMI, H., & BERRO, F. J. (2022).** Gain-of-function Mutant P53 and Metabolomics in Lung Cancer: Novel Biomarkers for Early Detection.