

Eden Haseeb

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Personal Profile

Postdoctoral researcher interested in the characterization of the second messenger based signaling events in the neuronal migration. Experienced in drug screening, fluorescence microscopy, and data analysis.

Work Experience

Postdoctoral Researcher

Sorbonne University, France

February 2026 - Ongoing

- Working with **mice models**
- Extraction of **cortical interneurons and medial ganglionic eminence**
- Confocal microscopy for studying **neuronal migration**
- Studying **second messenger based signaling events using fluorescent biosensors**

PhD Candidate

CNRS, France

December 2021 – May 2025

- **High-content screening** for finding FDA-approved drugs
- Designed and performed **cell-based assays** to investigate the effects of different drugs on TNF-induced necroptosis
- **Fluorescence microscopy** (confocal and widefield) for recording **cell death assays**
- Studying ERK and CK1 activity using **Kinase Activity Reporters** and **Kinase Translocation Reporters** through biosensing experiments
- Mastery of techniques such as **Midiprep purification, Transformation, Western Blot, Cell Culture, and Transfection**
- Data analysis using **Spotfire, ImageJ, Cell Profiler, GraphPad, Origin, and R language**.
- **Project management, scientific communication**, and organizing a scientific conference (part of the organizing committee of the GDR Imabio Young Scientists Network)

Education & Qualifications

University of Lille, Nord (France), 2021-2025

Doctor of Philosophy, Cellular & Molecular Aspects of Biology

- Research co-funded by I-SITE ULNE and the Marie Skłodowska-Curie Actions within the framework of the European Commission's H2020 programme
- Under the supervision of Franck Riquet and Benjamin Pfeuty

University of Kent, Canterbury (UK), 2019 – 2020

MSc Biotechnology & Bioengineering

- Grade: Distinction
- Coursework in optimizing the production of recombinant AAV viral vectors for gene therapy

- Lab work in CRISPR/Cas9 technology, cloning, purification, and characterization of monoclonal antibodies from a supernatant cell culture of Chinese Hamster Ovary cell lines, recombinant biotherapeutic production of proteins, and biochemical and biophysical characterization of bacterial microcompartments.
- Participated in Postgraduate Research Symposium at the University of Kent in 2020.
- Participated in Innovation Weekender organised by EIRA, 2020.

Achievements

- Bounce Back Award – Adoc Talent Management in Marcq en Baroeul, 2023
- Marie Curie PhD fellowship, issued by PEARL - Programme for Early-stage Researchers in Lille, 2021
- Global Skills Award – Gold, issued by Dean of the Graduate School, University of Kent, 2020
- Runner Up Prize at the Agar Art Competition, issued by the University of Kent, 2019
- The Bestway Foundation Scholarship, issued by the University of Kent, 2019
- MIEM Excellence Scholarship, issued by Paris Descartes University, 2019
- Gold Medal, for having the best project, "Design and Development of an Improved Nanohybrid Dental Composite, issued by IEEE, 2019
- Third Prize, for the project on "Nanohybrid Dental Composite", out of 180 projects issued by DUHS-DICE Innovation, 2018
- President of Students Character Building Society, Issued by NED University of Engineering & Technology, 2017

Presentations (Oral & Poster)

- "Rewiring Necroptosis and Inflammation via Modulation of ERK Signaling Dynamics": Eden Haseeb, Benjamin Pfeuty, Franck B. Riquet. PhLAM Doctoral Day, March 30th, 2022, Villeneuve D'Ascq, France.
- "Rewiring Necroptosis and Inflammation via Modulation of ERK Signaling Dynamics": Eden Haseeb, Benjamin Pfeuty, Franck B. Riquet. 8th Biosensor Workgroup Meeting, November 17th, 2022, Rennes, France.
- "Rewiring Necroptosis and Inflammation via Modulation of ERK Signaling Dynamics": Eden Haseeb, Benjamin Pfeuty, Franck B. Riquet. PhLAM Doctoral Day, May 10th, 2023, Villeneuve D'Ascq, France.
- "Rewiring Necroptosis and Inflammation via Modulation of ERK Signaling Dynamics": Eden Haseeb, Benjamin Pfeuty, Franck B. Riquet. Functional Investigation of Multicellular Systems with Light Probes, June 21st, 2023, Paris, France.
- "Rewiring Necroptosis and Inflammation via Modulation of ERK Signaling Dynamics": Eden Haseeb, Benjamin Pfeuty, Franck B. Riquet. MiFoBio2023, November 09th, 2023, Giens, France.
- "Targeting Kinases: A Strategic Approach to Mitigate TNF-Induced Necroptosis": Eden Haseeb, Benjamin Pfeuty, Franck B. Riquet. 30th European Cell Death Organisation Conference – Cell Death at the Crossroads of Neurodegeneration and Cancer, October 09th, 2024, Luxembourg.