

# Eden Haseeb

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## Personal Profile

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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

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### 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

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### 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

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- 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)

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- "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.