

Clarisse Ratu Diandra

Enthusiastic biochemist and challenge-driven researcher, intrigued by solving gaps in forefront of current research advancements.

Education

Biochemistry Master of Biology, Bachelor of Science

University of Leeds, United Kingdom, September 2020 - June 2024

Lab research experience in molecular cloning, protein purification and biophysical characterisation. Graduated with a high Upper Second-Class Honours degree in July 2024.

A-level Exams: A*A*AA

Surabaya Cambridge School, Indonesia, 2018 - 2020

Mathematics, Physics, Biology, Chemistry

Experience LINK

Characterising Highly Disordered but Conserved Regions of Ire1 Luminal Domain C-terminal for Oligomerisation LINK

University of Leeds

October 2023 - May 2024

Optimised small-scale Ire1-LD expression and purification for downstream characterisation to monitor its oligomerisation in the presence of ΔEspP and/or BiP.

Investigating HIV-1 Nef Hijacking of Cell Machinery for Pathogenesis LINK

University of Leeds

October 2022 - March 2023

Studied Nef's function in HIV-1 by exploring its involvement in CD4 downregulation and interactions with Hck-SH3 protein utilising biophysical methods.

Unfolding Protein Response: A Promising Breast Cancer Therapy LINK

University of Leeds

October 2022 - May 2023

Reviewed the use of UPR-targeting drugs to treat multiple Breast Cancer cell lines either to sensitise chemoresistant breast cancer cells to chemotherapy or proposing the therapeutic potential of standalone UPR inhibitors for TNBC cells.

GFP Gene Expression and EGFP Protein Purification LINK

University of Leeds

October 2021 - November 2021

Genetically modified *E. coli* (DH5α) cells to express the GFP gene by ligating the pET28c expression vector with GFP DNA, purified, and analysed for EGFP protein expression in BL21(DE3) *E. coli* cells using western blot.

Additional Experience LINK

FBS Student Engagement Intern: International Position

University of Leeds

2023 - 2024

Organising student-led events and hosting activities for 200+ participants; working with the Student Support and Employability Team to promote inclusivity within the community; addressing enquiries.

Academic Tutor

Freelance

2021 - 2023

Assisting struggling middle and elementary school students to better understand ideas and their applications in science.

Global Community Committee

University of Leeds

2020 - 2021

Designing and collaborating on monthly newsletters; organising social gatherings and prized game events.



clarissediandra.github.io



linkedin.com/in/clarissediandra



clarisse14diandra@gmail.com

Certificates & Awards LINK

Life Sciences: Biology Research

Certificate

2024

LifeArc

- Optimising experimental conditions for fibroblast-to-sensory neuron differentiation protocol
- Analysing experimental results using RStudio

Molecule to Market

Certificate

2024

Pfizer UK

- Designed an effective go-to-marketing strategy on launching a hypothetical new medicine
- Researched the clinical care pathway and submit evidence to NICE

Dean's List

Award

2021, 2022

University of Leeds

Dean's Excellence Scholarship

Award

2020, 2021, 2022

University of Leeds

Skills

- Good Laboratory Practice
- Protein Expression & Purification
- Protein Characterisation Techniques
- DNA Production & Purification
- Molecular Biology Techniques
- Bioinformatics
- Data & Statistical Analysis
- Sample Preparation
- Troubleshooting & Optimisation
- Spectroscopy
- Enzyme Assays
- SDS-PAGE
- Detailed record keeping

Languages

- English *full professional proficiency*
- Bahasa Indonesia *native*
- Javanese *full professional proficiency*
- Mandarin *limited working proficiency*

Hobbies

- Painting & 3D drawing
- Travelling
- Photography