

ONI JOY MAUYON

Pharmacology Graduate | Pharmaceutical Research & Laboratory Support

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PROFESSIONAL SUMMARY

Pharmacology and Therapeutics graduate with hands-on research experience supporting biomedical and pharmacological studies. Experienced in wet-lab experimentation, biochemical and behavioural assays, reagent preparation, laboratory safety, data recording, literature review, scientific documentation, molecular biology techniques, and computer-aided drug design. Research experience includes *Drosophila melanogaster* models and molecular docking using Schrödinger software to investigate ligand-receptor interactions and potential drug targets. Seeking an NYSC PPA opportunity in pharmaceutical research, quality-related laboratory work, drug discovery, product development, or technical support.

CORE SKILLS

Pharmacology & Therapeutics | Pharmaceutical Research Support | Wet-Lab Experimentation | Biochemical Assays | Behavioural Assays | Reagent Preparation | Laboratory Safety & Documentation | Molecular Biology | DNA/RNA Extraction | PCR | Gel Electrophoresis | Molecular Docking & Simulation | Computer-Aided Drug Design (CADD) | Ligand-Target Interaction Analysis | Literature Review | Scientific Writing & Reporting | Experimental Planning | Data Collection | Microsoft Excel | Python (Pandas) | Research Data Management

EDUCATION

B.Sc. Pharmacology and Therapeutics | Olabisi Onabanjo University, Ago-Iwoye, Nigeria | August 2024

- Second Class Honours | GPA: 4.20/5.0
- Thesis: Antiarthritic and Anti-inflammatory Effects of Jobelyn in Mice Exposed to Formaldehyde-Induced Arthritic Model.

COMMUNITY PHARMACY EXPERIENCE

Pharmacist Assistant

Paul Smith Retail Pharmacy | Ipokia, Ogun State | July 2025 – February 2026

- Supported prescription interpretation and medication dispensing in a community pharmacy setting under Supervision.
- Tracked inventory, monitored stock levels, and assisted with stock auditing.
- Provided patient health education and explained medicine-use instructions within the scope of the role.
- Maintained pharmaceutical records and supported accurate documentation of pharmacy activities.
- Followed medication-handling procedures, safety protocols, and applicable pharmacy requirements.
- Communicated professionally with customers and healthcare colleagues to support day-to-day pharmacy service.

RESEARCH EXPERIENCE

Research Scientist | Eureka Research Lab, Babcock University | Ogun, Nigeria | March 2025 – Present

- Support ongoing biomedical research through laboratory maintenance, experimental preparation, data collection, record keeping, and research documentation.
- Maintain *Drosophila melanogaster* stocks and expanded a research colony from one vial to more than 30 culture jars.
- Assist with *Drosophila*-based experiments, including preparation, observation, assay support, and accurate recording of experimental results.
- Train and mentor interns and graduate students on laboratory protocols, safety practices, equipment use, and research workflows.
- Contribute to literature reviews, research discussions, experimental planning, and interpretation of findings.

Research Intern | Eureka Research Lab, Babcock University | Ogun, Nigeria | August 2024 – January 2025

- Conducted wet-lab experiments using *Drosophila melanogaster* to investigate biological, pathological, and pharmacological mechanisms.
- Prepared and analysed chemicals and reagents for biochemical assays while following laboratory safety procedures.
- Performed behavioural and biochemical assays to assess physiological responses and generate research data.
- Conducted molecular docking with Schrödinger software to evaluate ligand-receptor interactions, identify potential druggable targets, and assess binding affinities.

ADDITIONAL EXPERIENCE

Program Manager | Kayode Odunuga Foundation | Nigeria | May 2025 – December 2025

- Coordinated programme planning, implementation, documentation, team activities, stakeholder engagement, and media support.

Medical Outreach Volunteer | **DLCF OOU** | Sagamu, Nigeria | May 2023, June 2024

- Supported medical outreach activities, drug dispensing, health education, and a symposium on rational use of medicines.

PUBLICATIONS

- Adebisin, A. N., Abbas, G. A., Ogunsola, A. M., Mabekoje, O. O., Adebambo, D. J., Oni, J. M., et al. Jobelyn ameliorates anxiety-like behaviour, thermal hyperalgesia and neuroinflammation in formaldehyde-induced arthritis in mice. *Neuroscience*, 2025. DOI: 10.1016/j.neuroscience.2025.05.118
- Olugbogi, E. A., et al. (2026). Aframomum melegueta seeds ethanol fraction improves markers of antioxidant activity and downregulates pro-inflammatory pathways in arsenic-induced cytotoxicity in *Drosophila melanogaster*. Manuscript submitted to the *Journal of Phytochemistry (In Review)*

CERTIFICATIONS & TRAINING

- HackBio | Coding for Bio: Linux & Bash Scripting (*In Progress*)
- Google Data Analytics Professional Certificate: Excel, data cleaning, and data visualization
- Artificial Intelligence Essentials Certificate, ALX Africa
- Entrepreneurship Skills Course, Unilever
- Introduction to Public Health, La Plage Metaverse
- Genomac Institute Inc. training/certification

TECHNICAL TOOLS

Schrödinger Suite | Pymol | Microsoft Excel | Microsoft 365 | PowerPoint | Python (Pandas) | GraphPad Prism | Canva

ADDITIONAL INFORMATION

- Languages: English, Yoruba