

# Uloma Beauty Elvis-Offiah

Cancer Biology GIDP, University of Arizona, Tucson, AZ, 85724

[ulomaelvisoffiah@arizona.edu](mailto:ulomaelvisoffiah@arizona.edu) | +1 (520) 505 0555 | <https://www.linkedin.com/in/uloma-elvis-offiah-aa401682/>

## EDUCATION

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### **PhD, Cancer Biology**

University of Arizona, Tucson, Arizona

Minor: Physiology

*Dissertation: Effect of Growth Factors on Menin Regulation*

Advisor: Juanita L. Merchant, MD, PhD

**Expected**

**May 2026**

### **MSc, Physiology**

University of Benin, Benin City, Nigeria

*Thesis: Influence of Emilia coccinea (Sims) G Dons  
on reproductive functions and parameters*

**Feb 2016**

### **BSc, Science Laboratory Technology (Physiology & Pharmacology options)**

University of Benin, Benin City, Nigeria

**Nov 2011**

## EMPLOYMENT

## TEACHING EXPERIENCE

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### **Graduate Assistant, teaching**

01/2022 – 05/2024

Department of Physiology, University of Arizona, Tucson, Arizona, USA.

- 0.5 FTE for instructional/instructional design for PSIO 201/202 Online courses.
- 0.5 FTE for Grading quizzes, assignments, and exams for 150 PSIO 201/202 online students.
- 0.5 FTE for Conducting lab sessions for 150 PSIO 201/202 icourse students.

### **Lecturer II**

09/2019 – 07/2021

Department of Science Lab. Tech, University of Benin, Benin City, Nigeria.

- Taught “PPT210, introduction to physiology and pharmacology” to 500 second-year students.
- Taught “SLT615, Laboratory experimental design/instrumentation” to 200 fourth-year students.

### **Assistant Lecturer**

09/2016 – 08/2019

Department of Science Lab. Tech, University of Benin, Nigeria

- Undergraduate teaching assistant for “PPT310, Blood and body fluid” to 500 third-year undergraduates, held office hours and developed final projects.
- Graded and Prepared undergraduate exam scores for the University Senate approval.
- Facilitated the University’s public lecture series, induction, and oat-taking ceremonies.

## Graduate Assistant

07/2012 – 08/2016

Department of Science Lab. Tech, University of Benin, Nigeria

- Graded examinations for cell and developmental biology for physiology and pharmacology undergraduates.
- Assisted in conducting and coordinating laboratory sessions for 500 undergraduate students.

## RESEARCH EXPERIENCE

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**University of Arizona**, Tucson, Arizona

**Doctoral Student, Merchant Lab**

07/2022-Till date

- Research areas: Neuroendocrine tumors, MEN1, transcriptional regulation, organoid models.
- Contributed to studying menin regulation through published reviews and experimental work on clinical MEN1 mutations.
- Utilized cell lines and organoid models to demonstrate a comprehensive approach to understanding the complexities of menin regulation in different biological contexts.

**University of Benin**, Benin City, Nigeria.

06/2008 – 07/2019

**Co-investigator, Reproductive Health and Ethnopharm. Lab**

Department of Pharmacology and Toxicology, Faculty of Pharmacy

- Research areas; Reproductive immunology and toxicology, ethnopharmacology, animal models, infertility, sex differences
- Investigated herbal plants' phytochemical properties and metabolites in reproductive dysfunction using mass spectrometry and NMR spectroscopy.
- Designed and developed a criteria manual for identifying and classifying the reproductive cycle in female mice and rats.
- Contributed to project design and execution of medicinal herbs and was involved in manuscript and grant writing.

## PUBLICATIONS

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### BOOK CHAPTER

- 1) **Elvis-Offiah UB**, Isuman S, Johnson MO, Ikeh VG, Agbontaen S. Our Clear-Cut Improvement to the Impact of Mouse and Rat Models in the Research Involving Female Reproduction. In Animal Models and Experimental Research in Medicine 2022 Dec 16. IntechOpen.
- 2) Bafor EE, **Elvis-Offiah UB**, Uchendu AP, & Osayande O. Impact of Reproductive Science on National Development. In FFO Orumwense, IO Omoruyi, GO Arishe & LO Iniaghe (Eds). National Development and Human Security (Essays and Materials in Honour of a Distinguished Alumnus: Babatunde Raji Fashola, SAN) 2019. (pp 336 - 342). University of Benin Press, Benin City, Nigeria.

## JOURNAL (PEER-REVIEWED)

- 3) Duan S, Sheriff S, **Elvis-Offiah UB**, Witten BL, Sawyer TW, Sundaresan S, Cierpicki T, Grembecka J, Merchant JL. Clinically defined mutations in MEN1 alter its tumor-suppressive function through increased menin turnover. *Cancer Research Communications*. 2023 Jul 24;3(7):1318-34.
- 4) **Elvis-Offiah UB**, Duan S, Merchant JL. MENIN-mediated regulation of gastrin gene expression and its role in gastrinoma development. *The FASEB Journal*. 2023 May;37(5):e22913.
- 5) Bafor EE, Kalu CH, Omoruyi O, **Elvis-Offiah UB**, Edrada-Ebel R. Thyme (*Thymus vulgaris* [Lamiaceae]) Leaves Inhibit Contraction of the Nonpregnant Mouse Uterus. *Journal of Medicinal Food*. 2021 May 1;24(5):541-50.
- 6) Bafor EE, Ukpebor F, **Elvis-Offiah UB**, Uchendu A, Omoruyi O, Omogiade GU. *Justicia flava* leaves exert mild estrogenic activity in mouse models of uterotrophic and reproductive cycle investigations. *Journal of medicinal food*. 2020 Apr 1;23(4):395-408.
- 7) **Elvis-Offiah UB**, Obayuwana OM, Bafor EE, John AL, Osaigbovo OM, Osakpamwan CA, Uchendu AP, Tafamel GE. *Xylopia aethiopica* (Annonaceae) seeds enhance male reproductive functions during ethanol-induced oxidative conditions in adult Wistar rats. *West African Journal of Pharmacology and Drug Research*. 2020;34(1):7-15.
- 8) **Elvis-Offiah UB**, Bafor EE, Sanusi OB, Uchendu AP, Omoregie OO, Onyiriuka CE, Uba NC, Ebiuwa DE, Omoruyi O, Tafamel EG, Kadiri PB (2019). Reproductive activity and function of *Vocanga africana* leaves on non-pregnant female mice. *African Journal of Pharmaceutical Research & Development*. Vol. 11 No.1; pp; 016-034.
- 9) Bafor EE, Eze C, Omoruyi O, **Elvis-Offiah BU**, Viegelmann C, Edrada-Ebel R. Green Tea Inhibits Uterine Contractility in Ex Vivo (Non-Pregnant) Mice Models. *Trop J Nat Prod Res*. 2018; 2(6): 254-261.[doi.org/10.26538/tjnpr/v2i6.1](https://doi.org/10.26538/tjnpr/v2i6.1)
- 10) Bafor, E.E., Nwogu, J.K., **Elvis-Offiah, U.B.**, Amaechina, F., Ofeimun, J., Ayinde, B. et al, 2018, 'Modulation of ex-vivo uterine contraction by the methanol leaf extract of *Alchornea laxiflora* Benth. (Euphorbiaceae) and preliminary spectrometric identification of associated secondary metabolites', *Journal of Medicinal Plants for Economic Development* 2(1), a33. <https://doi.org/10.4102/jomped.v2i1.33>
- 11) Bafor, E.E., Omokaro, W.O., Uwumarongie, O.H., **Elvis-Offiah, U.B.**, Omoruyi, O., Viegelmann, C.V. et al., 2017, 'Dryopteris filix-mas (Dryopteridaceae) leaves inhibit mouse uterine activity', *Journal of Medicinal Plants for Economic Development* 1(1), a25. <https://doi.org/10.4102/jomped.v1i1.25>.
- 12) Bafor EE, Okosun EA, Omoruyi O, **Elvis-Offiah UB**, Eze GI, Igbinuwen O, Braimoh KP, Eghianrua JO (2017). Ex Vivo and In Vivo Investigation on the Role of Water-Soluble

- 13) **Elvis-Offiah UB.**, Bafor Enitome E., Eze Gerald I., Osamwonyi Igbinumwen, Christina Viegelmann, RuAngelie Edrada-Ebel (2016). In vivo Investigation of Female Reproductive Functions and Parameters in Non-Pregnant Mice Models and Mass Spectrometric Analysis of the Methanol Leaf Extract of Emilia Coccinea (Sims) G Dons. *Physiol Rep*, 4 (23), e13047, doi:10.14814/phy2.13047
- 14) **Elvis-Offiah UB**, Vincent I. Iyawe, Enitome E. Bafor (2016). In vitro response of isolated non- pregnant mouse uterus to the methanol extract of Emilia coccinea (Sims) G. Dons leaf. *Journal of Pharmacy and Biomedical Resources*, 13: 134-147. DOI: 10.4314/jpb.v13i2.9
- 15) Enitome E. Bafor, Ofejiro Okpilolo, **Elvis-Offiah UB**, Osemelomen Omoruyi, Princewill Onaghino, Christina Viegelmann, RuAngelie Edrada-Ebel (2016). Modulation of uterine contractility in the isolated mouse uterus by the methanol extract of Talinum Triangulare (Portulacaceae) and investigation of significant secondary metabolites. *Afr. J Pharm Res Dev*; 8(2): 122-134.
- 16) Enitome E. Bafor, Stacy E. Eyohan, Osemelomen Omoruyi, **Uloma B. Elvis-Offiah**, Buniyamin Ayinde, Gerald I. Eze, Isibhakhomhen V. Okosun, Philip A. Obarisiagbon, Osamwonyi Igbinuwun, Kadiri P. Braimoh. (2015). Preliminary endocrinological, histological and haematological investigation of Alchornea laxiflora (Euphorbiaceae) leaf extract effects on the ovary, uterus and cervix of mouse models. *Journal of Science and Practise of Pharmacy*. 2 (1): 55-63. <https://doi.org/10.47227/jsppharm/v2i1.12>
- 17) **Elvis-Offiah U.B.**, Bafor E.E. (2014). Evaluation of the effects of Oxytocin and Diethylstilboestrol on Mouse Oestrous Cycle using an Index. *Journal of Medicine and Biomedical Research*, 13; 5-16.

## PRESENTATION ORAL

- 18) Bafor EE, **Elvis-Offiah UB**. Africa calls for her women in science: Review of the status of Nigerian women in science. *GWIS IOTA NU*. 2013, volume: 2(4), page 6-7

## PRESENTATION POSTER

- 19) **Uloma B. Elvis-Offiah**, Suzann Duan, Sulaiman Sheriff Juanita L Merchant. Poster Title: Extracellular Growth Factors Attenuate Menin Suppressive Function on Gastrin. FASEB Science Research Conference (The Gastrointestinal Epithelium Conference: Interface with the Outside World) Steamboat Springs, Colorado, September 2023.
- 20) **Uloma B. Elvis-Offiah**, Suzann Duan, Sulaiman Sheriff Juanita L Merchant. Poster Title: Growth Factors Regulates Menin Suppression of Gastrin. 2023 GIDP Student Research Showcase, University of Arizona, Tucson, Arizona [invited]

## OTHERS

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### SKILLS

**Laboratory Equipment:** Nikon Olympus epifluorescence microscope with Cellsense software, Upright and inverted fluorescence microscope, ECHO Revolve inverted microscope (ECHO), Nikon AX R Confocal Microscope, Agarose Gel Electrophoresis Systems, ProGene Real-time PCR Thermal Cyclers, Protein Simple WES Western Blot Protein Analyzer Instrument.

**Computer Programs:** Endnote, SciFinder Scholar, Mendeley, GraphPad prism, Biorender, R, Stata.

**Training:** Bloodborne Pathogens and Universal Precautions (OSHA Compliant), Preventing Harassment and Discrimination, Information Security Awareness Initial Training, Conflict of Interest Required Disclosure Training Certification, General Laboratory Chemical Safety Training, General Rodent Surgical Training, Imaging Laser Protection Course, NIH Responsible Conduct of Research Certification, Working with IACUC - Investigators, Staff and Students

### PROFESSIONAL MEMBERSHIPS/ACTIVITIES

- Student member, American Association for Cancer Research 2024-till present
- Associate member, American Physiological Society (APS), 2022- till present
- Reviewer, for BMC Complementary & Alternative Medicine (2018), Asian Pacific Journal of Reproduction (2017-2022), Advances in Reproductive science & Reproductive health infertility (2018), RSC Advances published in Royal Society of Chemistry (2019), Frontiers in Pharmacology, section Ethnopharmacology (2019-2022).
- Participant, the African Centre of Excellence in Reproductive Health Innovation (CERHI) workshops, (2019).
- Associate Member, Nigerian Institute of Science Laboratory Technologist (NISLT), 2012-present

### ACHIEVEMENTS, AWARDS AND NOMINATIONS

- CRTEC Trainee Training Awards, Spring 2025
- Herbert E. Carter Award, Spring 2025
- PS GIDP Poster Competition award: GIDP Showcase, Fall 2023
- CRTEC Trainee Training Awards, Fall 2023
- PS GIDP Training Funds, Summer 2023
- Hello bio-Lab Heroes Awards™ 2022 Highly Commended Nominees 12/2022.

- The German Academic Exchange Service (DAAD) Research Grants – 03/2021.
- Academic Prize for the Best Graduating Student in Science Laboratory Technology (Physiology/Pharmacology Option) by NISLT, 05/2012.

## **LEADERSHIP ACTIVITIES**

- Member, COM-T Graduate Trainee Advisory Board, University of Arizona, 2024—Till date
- Mentor, STAR Lab program, Fall 2024-Spring 2025
- Mentor, ASEMS STARS Program, summer 2024
- PS GIDP Teaching committee student representative, 2023-2024
- Facilitator, SciFinder Scholar & Mendeley workshop, University of Benin, 2018
- Course adviser to 150 first year SLT students, University of Benin, 2014-2016

## **REFERENCES**

### **Juanita L Merchant M.D., PhD.**

Interim Director, Cancer Center

Associate Director, Basic Sciences, Cancer Center

Chief, Division of Gastroenterology and Hepatology, College of Medicine

Regents Professor

Professor, College of Medicine

3838 N. Campbell Ave., Bldg. 2, Clinic H, Tucson, AZ 85719

Phone: (520) 626-3334

Email: [jmerchant@arizona.edu](mailto:jmerchant@arizona.edu)

Area: GI Biology, Gastric & Colon pre-cancer

### **Enitome E Bafor, PhD.**

Associate Professor, Faculty of Pharmacology and Toxicology

Faculty of Pharmacy

University of Benin

Benin City, Edo State, Nigeria

Email: [enitome.bafor@uniben.edu](mailto:enitome.bafor@uniben.edu)

Area: Reproductive Biology, Immunobiology