CURRICULUM VITAE

A. GENERATION INFORMATION

1. Name: Onaara Peter ASHAOLU
2. Date and Place of Birth: 6th December 1985 Ibadan
3. Gender: Male
4. Nationality: Nigeria
5. Permanent contact address: No. 1, Solution Gospel Church, Aba-Opa, Ojoo, Ibadan.
6. E-mail address: Onaara.ashaolu@uniosun.edu.ng
7. Research Gate Link: https://www.researchgate.net/profile/Onaara-Ashaolu?ev=hdr_xprf&_sg=xaNAB0I2vU7nCWbU0EHvf7cH07uTrTKtnAy9fIl_eI5Xrv71UN7xYzb-050wl-5E1i3teQDyh30eUWzyWjRuiFI0
8. Google Scholar: https://scholar.google.com/citations?user=bNqS5ecAAAAJ&hl=en
9. Cell Phone number: (+234)08062176887
10. College/ Faculty Basic Medical Science
11. Department: Physiology
12. Position on 1st appointment: Lecturer II
13. Present position/Salary: Lecturer II (CONUASS 3)
14. Date of Present Position: 9th December 2024

B: EDUCATIONAL BACKGROUND

1. **Educational institutions attended with dates:**
   a. University of Ibadan, Ibadan, Oyo State. 2017 – 2024.
   b. University of Ibadan, Ibadan, Oyo State. 2013 – 2015.
   c. Olabisi Onabanjo University, Ago-Iwoye, Ogun State. 2004 – 2010.
2. **Academic and Professional Qualification with Dates/ Issuing Authority:**
   a. Doctor of Philosophy in Physiology. June 2024. University of Ibadan.
   b. Master of Science in Physiology. October 2015. University of Ibadan.
   c. Bachelor of Science in Physiology. August 2010. Olabisi Onabanjo University. (Second Class Lower Division)

C: WORK EXPERIENCE IN OSUN STATE UNIVERSITY

1. Lecturer II, Physiology Department. December 2024 – Date
2. Level Adviser February, 2025 – Date.
3. Assistance Examination Officer March 2025 – Date.

I. COURSES TAUGHT

a. Gastrointestinal Physiology (M.B.B.S., Physiology, Anatomy, and Nutrition Departments)
b. Reproductive Physiology (M.B.B.S, Physiology and Anatomy Departments)
c. Neurophysiology (M.B.B.S)
d. Nerve and Muscle Physiology (Physiology, Anatomy, & Medical Lab Science Departments)
e. Metabolism and Nutrition (Physiology, Anatomy, Medical Lab Science Departments)
f. Renal Physiology (Physiology and Anatomy Departments)
g. Laboratory Teaching and Instrumentation (Physiology Department)
h. Cell and Body Defense (Medicine and Surgery Department)

II. GRADUATE STUDIES SUPERVISION: 8 students (Graduated)

Present Students under supervision: 18

D: WORK EXPERIENCE OUTSIDE THE UNIVERSITY SYSTEM:

1. **Drosophila Research and Training Centre (DRTC), Ibadan, Nigeria** 2019 – 2024.

Responsibilities:

I. Post Doctoral Researcher (2023)
II. Carrying out several human disease studies on *Drosophila melanogaster* as a model organism
III. Training students on biomedical experiments and analyses
IV. Facilitate workshops and seminars in tertiary institutions
V. Dissection of tissues for immunological assays and other analytical purposes

2. **Interdisciplinary Research Discourse/Workshop; UNIBEN. 11th - 13th March 2021.**

Responsibilities: Teaching Assistant.

I. Introducing participants to *Drosophila's* life cycle, genetics, and sex differentiation
II. Train participants on the use of dissecting microscopes.
III. Guiding participants on the simple procedure of dissecting *Drosophila's* brain, gut, and genitals.

3. **Hands-on training on *Drosophila melanogaster* in Biomedical Research; Bingham University. March 2020.**

Responsibilities: Teaching Assistant.

1. Train participants on the use of fluorescent and dissecting microscopes.
2. Assist the facilitators during the Hands-On section.
3. Create a platform where all participants can assess the workshop's intellectual materials.

4. Community Grammar School, Ise-Ijesa, Osun State. 2013

Responsibility: Corps member through NYSC; Science Teacher; Peer Education Trainer (C-PET).

5. Milestone College, Ibadan, Oyo State. 2011

Responsibility: Science Teacher.

E: PUBLICATIONS

1. Margaret A. Adekanle1, Fatimah A. Ajadi, **Peter O. Ashaolu**, Olusolabomi J. Adefioye, Callitus A. Akinleye, Richard O. Ojedele, Aminat O. Fajingbesi (2025). Prevalence of Asymptomatic Malaria among Pregnant Women Attending Primary Health Centre in Osogbo, Osun State. *Pan African Journal of Life Sciences* (2025): 9(3): 555-561.
2. **Ashaolu, O. P**., Odukanmi, O. A., Salami, A. T., Abolaji, A. O., & Olaleye, S. B. (2024). Kolaviron: a Bioflavonoid from Seed Extract of Garcinia kola Attenuates Chromium (VI)-Induced Gut Dysfunction and Oxidative Damage in Drosophila melanogaster. *Biological trace element research*, 10.1007/s12011-024-04414-y. Advance online publication. https://doi.org/10.1007/s12011-024-04414-y.
3. Akinade T.C., Babatunde O.O., Adedara A.O., Adeyemi O.E., Otenaike T.A., **Ashaolu O.P.,** Johnson T.O., Terriente-Felix A., Whitworth A.J., Abolaji A.O. (2022). Protective capacity of carotenoid trans-astaxanthin in rotenone-induced toxicity in *Drosophila melanogaster*. *Scientific Reports* Vol. 12(1), 4594.
4. Odukanmi A.O., Salami A.T., **Ashaolu O.P.**, Adegoke A.G., Olaleye S.B. *Kolaviron* (2018). Attenuates Ischemia/Reperfusion Injury in the Stomach of Rats. *Applied Physiology Nutritional Metabolism*. 43 (1), 30 – 37.

F: CONFERENCES ATTENDED

1. Physiological Society of Nigeria (PSN) Conference. University of Ibadan, Oyo State. 2023.
   Paper read: Kolaviron Reverses Epithelial Injury Caused by Hexavalent Chromium Ingestion in the Gut of *Drosophila melanogaster*.
2. An Inaugural Toxicology Conference. Forum of Nigerian Toxicologists. March 2020.
3. DrosAfrica-ICGEB Workshop on *Drosophila melanogaster* in Biomedical Research 2019.

Paper read: Physiological and biochemical changes in the gut of Oregon strain of *Drosophila melanogaster* following consumption of diets containing some metals.

4. 6th Unibadan Conference of Biomedical Research. University of Ibadan. July 10th – 14th, 2018.

Oral presentation: Dietary Consumption of Hexavalent Chromium Damages the Gut of Oregon E2 Strain of *Drosophila melanogaster.*

5. DrosAfrica-ICGEB Workshop on *Drosophila melanogaster* in Biomedical Research. 2017
6. Physiological Society of Nigeria (PSN) Conference. University of Nigeria, Nsukka. 2015

Poster presentation: "*Kolaviron* attenuates ischemia-reperfusion injury in the stomach of rats".

7. Physiological Society of Nigeria (PSN) Conference. University of Lagos. 2014
8. National Reproductive Health HIV/AIDS Prevention and Care Project, Ede, Osun State. 2013

G: EXTRA-CURRICULAR ACTIVITIES: Chess and Drumming

H: OTHER RELEVANT INFORMATION:

1. Free outreaches to over thirty (30) Universities and secondary and Primary Schools in Nigeria as a team member at DRTC.
2. Peer Education Trainer on prevention against HIV/AIDS, Stigmatization, and Premarital sex at Ise-Ijesa, Osun State, Nigeria.
3. Facilitates several free medical outreaches and sanitation awareness campaigns in rural communities in Nigeria.

I: SUMMARY OF CONTRIBUTION TO KNOWLEDGE

My PhD findings pioneered the effects of heavy metals and the therapeutic role of kolaviron on the gut of *Drosophila melanogaster*, by chelating the metallic assault and sustaining its antioxidant level. *Drosophila melanogaster*-specific tissue like the gut was used in the study as a model for heavy metals study, which can further be used as a viable model in environmental toxicant studies. *Drosophila melanogaster* has shown to be a viable model for future research on gastrointestinal diseases. Kolaviron maintained the protein structures, indicated by the histological assessments in the gut of *Drosophila melanogaster* exposed to it and heavy metals.

Presently, my research area is into the use of *Drosophila melanogaster*, a viable model in biomedical research, in unravelling the effects of heavy metals and other environmental toxicants, using natural products to ameliorate their effects.