

Curriculum Vitae

A. Personal Data:

1. Full Name (Surname first): IJOMONE Olayemi Kafilat, formerly known as: Olaibi Olayemi K
2. Date of Birth: 27/02/1986
3. Details of Contact Address:
 - a. E-mail Address(es): oolaibi@unimed.edu.ng, olaibio27@gmail.com
 - b. Mobile Phone Number(s): +2348038613607
4. Nationality: Nigerian
5. State of Origin: Oyo State
6. Local Government Area: Akinyele LGA
7. Permanent Home Address: House 5, Aduralere estate, off Irese road, Akure, Ondo state.
8. Marital Status: Married
9. Number of Children and their Ages: One (9+ years)
10. Next of Kin: Dr. Ijomone Omamuyovwi M.
11. Details of Contact Address of Next of Kin:
 - a. E-mail Address(es): oijomone@unimed.edu.ng
 - b. Mobile Phone Number(s): +2347031354971
 - c. Permanent Home Address: House 5, Aduralere street, off Irese road, Akure, Ondo State.
12. Date of Assumption of Duty: 14/10/2015
13. Rank/Status of First Appointment: Assistant Lecturer
14. Present Status: Lecturer II
15. Date of Last Promotion: 11/03/2020
16. Present Salary, Grade Level and Step: CONUASS 3, Step 3
17. Date of Confirmation of Appointment: 14/10/2018
18. Faculty/Directorate: Basic Medical Sciences
19. Department/Unit: Anatomy

B. Educational Background:

1. Higher Educational Institutions Attended with Dates
 - University of KwaZulu- Natal (UKZN), Durban, South Africa (July 2016-February 2020).
 - Obafemi Awolowo University (OAU), Ile-Ife, Osun State, Nigeria (October 2011-July 2014).
 - Ladoke Akintola University of Technology (LAUTECH), Ogbomoso, Oyo State, Nigeria (September 2004-December, 2009).
 - Nigerian Institute of Management (*Chartered*), Nigeria (March, 2011).
2. Academic/Professional Qualifications and Distinctions Obtained with Dates
 - PhD in Optics and Imaging (February, 2020)
 - MSc in Anatomy (July, 2014)
 - B.Tech in Anatomy (December, 2009)
 - Proficiency Certificate in Management (March, 2011)
3. Other Distinctions and Awards with Dates

- a. Scholarship: Nil
- b. Fellowship
 - *Alexander von Humboldt Georg Foster Postdoctoral Research Fellow* (April 2022 – date)
 - National Research Fund (NRF)/ The World Academy of Science (TWAS) Doctoral fellowship, 2016-2019
- c. Research Grants
 - PhD Research Running Expenses Support, UKZN, College of Health Sciences Bursary Award, 2017 and 2018.
- d. National Awards
- e. International Awards
 - Young Member Symposium Grant, by European Society for Neurochemistry (ESN), 2023.
 - Advance School Travel Grant, by International Society for Neurochemistry (ISN), 2023.
 - Conference Travel Grant, by International Society for Neurochemistry (ISN)-Committee for Aid and Education in Neurochemistry (CAEN) Category 2A, 2020.
 - Conference Attendance Travel Grant, International Brain Research Organization (IBRO), 2020.
 - Conference Travel Grant, by National Research Foundation (NRF), 2018
 - Conference Attendance Travel Grant, IBRO, 2013.

C. Work Experience with Dates:

1. Previous Work Experience outside the University System with Dates
 - Department of Histopathology, University College Hospital, Ibadan/Industrial Training Attaché (June-Dec., 2008).
2. Previous Work Experience in other University:
 - **Postdoctoral Research Experience**, *Alexander von Humboldt Georg Foster Research Fellow*, Bergische University Wuppertal, Wuppertal, Germany/ carrying out of Research (April 2022 - January 2024).
 - Department of Clinical Anatomy, University of KwaZulu-Natal, Durban, South Africa/Gross Anatomy Demonstrator (Feb 2017 – June 2017).
 - Department of Anatomy and Cell Biology, Obafemi Awolowo University, Ile-Ife, Osun State/Gross Anatomy Demonstrator (Aug 2011 - Feb 2014).
 - Department of Anatomy and Cell Biology, Obafemi Awolowo University, Ile-Ife/Youth Corps Laboratory and Research Assistant (July, 2010- June 2011).
3. Work Experience in University of Medical Sciences
 - Department of Anatomy, University of Medical Sciences, Ondo, Nigeria/*Assistant Lecturer* (Oct 2015-March 2020).
 - Department of Anatomy, University of Medical Sciences, Ondo, Nigeria/*Lecturer II* (March 2020 - till date).
4. Courses taught within the Current Academic Session: ANA 220, ANA 327
5. Graduate Student Supervision within Current Session: 2
6. Current Undergraduate Supervision: Nil

D. Membership of Professional Bodies:

- Member, European Society for Neurochemistry (ESN)
- Member American Society for Neurochemistry (ASN)
- Member, Neuroscience Society of Nigeria (NSN).
- Member, Anatomical Society of Nigeria (ASN).
- IBRO Alumni, International Brain Research Organization (IBRO).
- Member, Society of Neuroscientist of Africa (SONA).
- Member, International Society for Neurochemistry (ISN).
- Member, Anatomical Society of Southern Africa (ASSA).

E. Publications with Dates:

1. Thesis/Dissertation:

- i. Ijomone OK. The Role of Neuroinflammatory Markers in Pre-eclamptic Rat model. PhD thesis (2020), submitted to Centre for Optics and Imaging, University of KwaZulu-Natal, Durban, South Africa.
- ii. Olaibi OK. Histologic and Histomorphometric Studies of Ethanol-Induced Pyloric and Duodenal Injury in Wistar Rats Pre-Treated with Moringa Oleifera (Lam). MSc dissertation (2014), submitted to the Department of Anatomy and Cell Biology, Obafemi Awolowo University, Ile-Ife, Nigeria.
- iii. Olaibi OK. Some Effects of Aspirin on Stomach and Duodenum of Wistar Rats. B.Sc. dissertation (2009), submitted to the Department of Anatomy, Ladoke Akintola University of Technology, Ogbomoso, Nigeria

2. Books and Monographs: Nil

3. Contribution to Books: Nil

4. Published Journals Articles

- i. Emmanuel GE, Omotosho OI, Etti-Balogun HO, **Ijomone OK**, Ijomone OM. Thalamic Immunohistochemical Assesement in Wistar Rats Following Combined Exposure to Nickel and Vanadium. *Journal of Experimental and Clinical Anatomy*, 2024; (21)1. <https://www.ajol.info/index.php/jeca/article/view/272861>
- ii. Akingbade GT, **Ijomone OK**, Jeje SO, Adeagbo AS, Ijomone OM. Prenatal exposure to nickel triggers redox imbalance and histological alterations in the brain of infant and adolescent rats. *Functional Food Journal*, 2024; 5(1):20-3.
- iii. Iroegbu JD, **Ijomone OK**, Adebayo OS, Aneke VO, Adelusi HD, Ijomone OM. Immunohistochemical Assessment of Thalamic Region In Rat Brain Following Bonny Light Crude Oil Administration. *The Journal of Anatomical Science*, 2024; (15)1.
- iv. Ijomone OM, Weishaupt A-K, Michaelis V, **Ijomone OK**, Bornhorst J. p38- and ERK-MAPK Signalling Modulate Developmental Neurotoxicity of Nickel and Vanadium in the *Caenorhabditis elegans* Model. *Kinases and Phosphatases*. 2024; 2(1):28-42. <https://doi.org/10.3390/kinasesphosphatases2010003>

- v. Salau VF, Erukainure OL, Olofinisan KA, Msomi NZ, **Ijomone OK**, Islam MS. Ferulic acid mitigates diabetic cardiomyopathy via modulation of metabolic abnormalities in cardiac tissues of diabetic rats. *Fundamental & Clinical Pharmacology*, 2022. *Journal Impact factor 2.1*. <https://doi.org/10.1111/fcp.12819>
- vi. Ijomone OM, Iroegbu JD, Morcillo P, Ayodele AJ, **Ijomone OK**, Bornhorst J, Schwerdtle T, Aschner M. Sex-dependent metal accumulation and immunoexpression of Hsp70 and Nrf2 in rats' brain following manganese exposure. *Environmental Toxicology*, 2022; 37:2167-2177. *PubMed ID*: 35596948. *Journal Impact Factor* – 4.4. <https://doi.org/10.1002/tox.23583>
- vii. Iroegbu JD, **Ijomone OK**, Femi-Akinlosotu OM, Ijomone OM. ERK/MAPK signalling in the developing brain: Perturbations and consequences. *Neuroscience and Biobehavioral Reviews*, 2021; 131:792-805. *PubMed ID*: 34634357. *Journal Impact Factor* – 7.5. <https://doi.org/10.1016/j.neubiorev.2021.10.009>
- viii. **Ijomone OK**, Osahon IR, Okoh CO, Akingbade GT, Ijomone OM. Neurovascular dysfunctions in hypertensive disorders of pregnancy. *Metabolic Brain Disease*, 2021; 36:1109-1117. *PubMed ID*: 33704662. *Journal Impact Factor* – 3.2. <https://doi.org/10.1007/s11011-021-00710-x>
- ix. Ijomone OM, Ifenatuoha CW, Aluko OM, **Ijomone OK**, Aschner M. The aging brain: impact of heavy metal neurotoxicity. *Critical Reviews in Toxicology*, 2020; 50:801-814. *PubMed ID*: 33210961. *Journal Impact Factor* – 5.7. <https://doi.org/10.1080/10408444.2020.1838441>
- x. Ijomone OM, **Ijomone OK**, Iroegbu JD, Ifenatuoha CW, Olung NF, Aschner M. Epigenetic influence of environmentally neurotoxic metals. *NeuroToxicology*, 2020; 81:51-65. *PubMed ID*: 32882300. *Journal Impact Factor* – 3.4. <https://doi.org/10.1016/j.neuro.2020.06.013>
- xi. **Ijomone OK**, Erukainure OL, P Shallie, and T Naicker. Neurotoxicity in pre-eclampsia involves oxidative injury, exacerbated cholinergic activity and impaired proteolytic and purinergic activities in cortex and cerebellum. *Human & Experimental Toxicology*, 2020 Jan; 40(1): 158-171. *PubMed ID*: 32772714. *Journal Impact Factor*: 2.7. <https://doi.org/10.1177/0960327120946477>
- xii. **Ijomone OK**, Shallie PD, Naicker T. Oligodendrocytes death induced sensorimotor and cognitive deficit in Nco-nitro-L-arginine methyl rat model of pre-eclampsia. *Journal of Neurochemical Research*, 2020; 45(4):902-914. *PubMed ID*: 31983010. *Journal Impact Factor*: 3.7. <https://doi.org/10.1007/s11064-020-02969-5>
- xiii. Miah MR, Ijomone OM, Okoh COA, **Ijomone OK**, Akingbade GT, Ke T, Krum B, da Cunha Martins A Jr, Akinyemi A, Aranoff N, Antunes Soares FA, Bowman AB, Aschner M. The effects of manganese overexposure on brain health. *Neurochemistry International*, 2020; 104688. *PubMed ID*: 31972215. *Journal Impact Factor* – 4.4. <https://doi.org/10.1016/j.neuint.2020.104688>

- xiv. **Ijomone OK**, Shallie PD, Naicker T. Nco-nitro-L-arginine methyl model of pre-eclampsia elicits differential Iba1 and EAAT1 expressions in brain. *Journal of Chemical Neuroanatomy* 100, 2019; 101660. PubMed PMID: 31252063. *Journal Impact Factor: 2.7*. <https://doi.org/10.1016/j.jchemneu.2019.101660>
- xv. Adekomi, DA, Adegoke AA, Olaniyan OO, Ogunrinde AE, **Ijomone, OK**. Effects of alcohol and tramadol co-treatment on cognitive functions and neuro-inflammatory responses in the medial prefrontal cortex of juvenile male rats. *Anatomy*, 2019; 13(1), 1-12.
- xvi. Ijomone OM, Okori SO, **Ijomone OK**, Ebokaiwe AP. Sub-acute nickel exposure impairs behavior, alters neuronal microarchitecture, and induces oxidative stress in rats' brain. *Drug and Chemical Toxicology*, 2018; 41:377-384. *PubMed ID: 29482365*. *Impact Factor – 2.1*. <https://doi.org/10.1080/01480545.2018.1437173>
- xvii. **Ijomone OK**, Shallie P, Naicker T. Change in the structure and function of the brain years after Pre-eclampsia. *Ageing Research Reviews*, 2018(47): 49–54. PubMed ID: 30026172. *Journal Impact Factor: 12.5*. <https://doi.org/10.1016/j.arr.2018.06.006>
- xviii. Adekomi AD, Adegoke AA, Tijani AA, Olaniyan OO, Alabi MO, **Ijomone OK**. Morphine-alcohol treatment impairs cognitive functions and increases neuro-inflammatory responses in the medial prefrontal cortex of juvenile male rats. *Anatomy and Cell Biology*, 2018; 51:41-51. PubMed ID: 5890016. <https://doi.org/10.5115/acb.2018.51.1.41>
- xix. Ijomone OM, **Olaibi OK**, Esomonu UG, Nwoha PU. Hippocampal and striatal histomorphology following chronic nicotine administration in female and male rats. *Annals of Neuroscience*, 2015; 22(1):31-36. *PubMed ID: 26124548*. *Journal Impact Factor – 1.8*. <https://dx.doi.org/10.5214%2Fans.0972.7531.220107>
- xx. Ijomone OM, **Olaibi OK**, Mba C, Biose IJ, Tete SA, Nwoha PU. Chronic nicotine administration does not alter cognitive or mood associated behavioural parameters. *Pathophysiology*, 2015; 22(1): 57-63. *PubMed ID: 25601213*. <https://doi.org/10.1016/j.pathophys.2014.12.004>
- xxi. **Olaibi OK**, Ijomone OM, Ajibade AJ. Histomorphometric study of stomach and duodenum of aspirin treated Wistar rats. *Journal of Experimental and Clinical Anatomy*, 2014; 13(1): 12-16. <http://dx.doi.org/10.4103/1596-2393.142923>
- xxii. Ijomone OM, **Olaibi OK**, Nwoha PU. Effects of chronic nicotine administration on body weight, food intake and nitric oxide concentration in female and male rats. *Pathophysiology*, 2014; 21:185-190. *PubMed ID: 25159662*. <https://doi.org/10.1016/j.pathophys.2014.08.003>

- xxiii. **Olaibi OK**, Osuntokun OS, Ijomone OM. Effects of chronic administration of gabapentin and carbamazepine on the histomorphology of the hippocampus and striatum. *Annals of Neuroscience*, 2014; 21(2): 57-61. *PubMed ID*: 25206062. *Journal Impact Factor* – 1.8. <https://dx.doi.org/10.5214%2Fans.0972.7531.210206>
 - xxiv. Ijomone OM, **Olaibi OK**, Biose IJ, Mba C, Umoren KE, Nwoha PU. Performance on motor associated behavioural tests following chronic nicotine administration. *Annals of Neuroscience*, 2014; 21(2): 42-46. *PubMed ID*: 25206059. *Journal Impact Factor* – 1.8. <https://dx.doi.org/10.5214%2Fans.0972.7531.210203>
 - xxv. **Olaibi OK**, Ijomone OM, Olawuni IJ, Adewole SO, Akinsomisoye SO. Mucus secreting activity and nitric oxide concentrations of ethanol-injured pylorus and duodenum of Wistar rats pre-treated with *Moringa oleifera*. *Journal of Experimental and Integrative Medicine*, 2014; 4(2):123-130.
 - xxvi. **Olaibi OK**, Ijomone OM, Adewole SO. Histological and Histomorphometric studies of ethanol-injured pylorus and duodenum of Wistar rats pre-treated with *Moringa oleifera* extract. *Al Ameen Journal of Medical Sciences*, 2014; 7(2):104-111.
 - xxvii. Ijomone OM, Nwoha PU, **Olaibi OK**, Obi AU, Alese MO. Neuroprotective effects of kolaviron, a biflavonoid complex of *Garcinia kola*, on rats hippocampus against methamphetamine-induced neurotoxicity. *Macedonian Journal of Medical Sciences*, 2012; 5(1): 10-16.
5. Edited and Referred Conference Proceedings: Nil
 6. Articles Accepted for Publication:
Book Chapter
 - i. Memudu AE, Gabriel MO, Anadu VE, Ijomone OK, Ijomone OM (2024). Introduction to Nanoparticles as Potential Carriers for Brain Targeting in Neurodegenerative Disorders. In: Wael M (Ed). *Nanocarriers in Neurodegenerative Disorders: Therapeutic Hopes and Hypes*. Pp 140-152. CRC Press, Taylor and Francis, Boca Raton, USA, 2024.
 7. Manuscript Submitted for Publication:
 - ii. Ijomone OK, Oria RS, Ijomone OM, Aschner M, Bornhorst J. Dopaminergic Perturbation in the Aetiology of Neurodevelopmental Disorders 2024. *Molecular Neurobiology journal*. Submission ID 2477ca3c-c797-4cc1-852f-856818b2c9ad.
 8. Creative Work: Nil
 9. Technical Reports: Nil
 10. Paper and Work in progress
 - i. Acrylamide-induced behavioural deficits and neuroinflammation in rats: potential role for *Sesamum radiatum* extract (Research article)
 - ii. Manganese and Iron Influence on Toxicities and Locomotor Dysfunction in *NRXN/NLGN* Loss-of-Function *C. elegans* (Research article)

F. Professional Accomplishment: Nil

G. Conferences, Seminars and Workshops Attended with Dates

- i. ISN-ESN meeting 2023, 8- 11 August, 2023, at Alfendega Conference Center, Porto, Portugal.
Lecture presented: Acrylamide-induced behavioural deficits and neuroinflammation in rats: potential role for *Sesamum radiatum* extract.
- ii. ISN advanced School for ISN-ESN meeting 2023, 4- 7 August, 2023, at Caminha, Portugal.
- iii. 16th International Conference of the Society for Neuroscientist of Africa (SONA), 11-14 July, 2023, at Indaba Hotel, Johannesburg, South Africa.
Poster presentation: Manganese and Iron modulation of toxicities and locomotor dysfunction in *NRXN/NLGN* loss of function *C. elegans*.
- iv. Network meeting of the Alexander von Humboldt-Foundation in cooperation with the University of Berlin, Germany, June 29-July 1, 2022.
- v. Annual Computational Neuroscience Virtual Meeting CNS2020 by Organization for Computational Neurosciences (July 18-24, 2020).
- vi. Federation or European of Neuroscience Societies (FENS) 2020 Virtual Forum, July 11 – 15, 2020.
- vii. 16th Annual Conference of the Anatomical Society of Nigeria (ASN), 9th –12th October, 2019, at University of Calabar, Cross Rivers State.
Paper presented: Nco-nitro-L-arginine methyl model of pre-eclampsia elicits differential Iba1 and EAAT1 expressions in brain
- viii. Annual Conference of the Neuroscience Society of Nigeria (NSN), 6th-10th August, 2018, at Federal University Dutse, Jigawa, Nigeria.
Paper presented: Neurological Impact of Pre-Eclampsia on the Mother and the Surviving Offspring
- ix. 5th International Neuroscience Conference of the Institute of Neuroscience and Biomedical Research (INBR), 28th – 31st July, 2014, at Global Towers Hotels and Tourism Ltd, Owerri, Imo State, Nigeria.
- x. IBRO-ISN School in the Neurosciences in Africa, 2nd-6th December, 2013, at University of Ibadan, Nigeria.
- xi. 10th Annual Conference and Scientific Sessions of the Anatomical Society of Nigeria (ASN), 7th – 10th November 2012, Port Harcourt, Nigeria.

- xii. 4th International Neuroscience Conference of the Institute of Neuroscience and Biomedical Research (INBR), 1st – 5th July 2012, at Imo Concorde Hotel, Owerri, Nigeria.
- xiii. 9th Annual Conference and Scientific Sessions of the Anatomical Society of Nigeria (ASN), 21st-23rd September 2011, at the Obafemi Awolowo University, Ile-Ife, Osun, Nigeria.

H. Current Research Activities

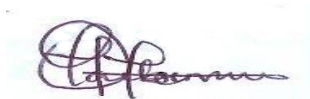
- i. **Gene-toxicant interactions in autism spectrum disorder**
Research work which involves the use of *Caenorhabditis elegans* model to understand the involvement of early exposure to metals especially manganese and Iron in dopaminergic degeneration in autism spectrum disorder.
- ii. **Immunochemical dynamics of synaptophysin and neurexin/neuroligin complex following long-term metal exposure in rats**
This research involves the use of Rat brain to understand the impact of long-term metal exposures on synaptic health via dynamics of key synaptic proteins, NRXN, NLGN, and synaptophysin.

I. Current Relevant Information

- 1. Services within the Department
 - i. Level adviser and course coordinator
 - ii. Welfare committee chairman
- 2. Services within the Faculty
 - i. Faculty representative for library committee
- 3. Services within the University
- 4. Services outside the University

J. Contributions to Knowledge

My research work has contributed to the knowledge of metal toxicities in the development neurodevelopmental and neurodegenerative diseases. Also, my research has contributed to the knowledge of how pre-eclampsia has contributed to the development of neurodegenerative disorders both in the mother and the children born to the women that experiences this condition even at the later stage of life.



Signature:

05/07/2024

Date: