

## **DR OLUWASEUN MUSTAPHA (DVM, MSc, PhD)**

### **i. BRIEF BIOGRAPHY**

**Dr 'Seun Mustapha** is an Assistant Professor at the Federal University of Agriculture, Abeokuta with over ten years of teaching experience in Veterinary Anatomy.

He is a Veterinary Doctor by training, having obtained his Doctor of Veterinary Medicine with Distinctions from the prestigious University of Ibadan. He obtained both his Masters and PhD degree in Neurobiology from the same institution, conducting all his research bench work for both degrees at the University of Wurzburg and University of Leipzig, respectively; both in Germany.

As a researcher, he is a well-drilled neuroscientist with bias for neuroanatomy, developmental neuroscience and comparative vertebrate morphology. He is keenly interested in exploring and describing the biology of indigenous African rodents, and advancing the drive in adopting these rodents as animal models for translational research. Specifically, his research has focused on two promising African rodents: the African giant rat (*Cricetomys gambianus*) and the Greater cane rat (*Thryonomys swinderianus*)– two unique rodents with uncommon phenotypes.

He has published numerous articles and papers on the morpho-functional anatomy, developmental biology and neuroanatomy of these rodents in various high ranked journals.

He has won several awards and grants both at local and international levels. Amongst are such as ***African Academy of Science Grant*** (2016); ***International Society for Neurochemistry Award*** (2017); ***International Brain Research Organization Award*** (2014, 2020); just to mention a few. Recently, he won the ***International Brain Research Organization Award*** (2022) to do a postdoctoral study in Harvard University.

### **ii. Passport-sized photograph**



**iii. Personal information**

- |                                |  |
|--------------------------------|--|
| (i) Name in Full:              | <b>MUSTAPHA</b> , Oluwaseun<br>Ahmed (Dr.) |
| (ii) Date of Birth             | 18 <sup>th</sup> May 1983                  |
| (iii) Age                      | 40 years                                   |
| (iv) Sex                       | Male                                       |
| (v) Marital Status             | Married                                    |
| (vi) Nationality               | Nigerian                                   |
| (vii) Town and State of Origin | Abeokuta, Ogun State                       |

iv. **Department:** Department of Veterinary Anatomy

v. **Email address:** [drmestyplato@yzhoo.co.uk](mailto:drmestyplato@yzhoo.co.uk); [mustaphaoa@funaab.edu.ng](mailto:mustaphaoa@funaab.edu.ng)

vi. **Phone number:** +2348035915275, +2348058917075

vii. **Rank:** Senior Lecturer

viii. **Designation:** Lecturer

ix. **Researchgate Address:** <https://www.researchgate.net/profile/Oluwaseun-Mustapha-2>

x. **LinkedIn Address:** <http://www.linkedin.com/in/oluwaseun-mustapha-0a220936>

xi. **Google Scholar Profile:**  
<https://scholar.google.com/citations?user=OEU6Cu4AAAAJ&hl=en>

xii. **ORCID Number:** 0000-0001-6049-7379

xiii. **Qualification:** DVM, MSc, PhD

**xiv. Membership of Professional Bodies:**

- Member, Nigeria Veterinary Medical Association (NVMA), Reg. No. NVMA/UI/07/025
- Member, International Brain Research Organisation (IBRO)
- Member, International Society for Neurochemistry (ISN)
- Member, Society of Neuroscientist of Africa (SONA)
- Member, Neuroscience Society of Nigeria (NSN)
- Member, The Biochemical Society Membership No.: 01060137
- Member, Neuroscience Group, University of Ibadan
- Member, African Academy of Science (AAS)

- xv. **Award Received**
- a. ***Tertiary Education Trust Fund (TETFUND) – National Research Fund (NRF) Grant (2022)*** of the Federal Republic of Nigeria to advancing African giant rat olfactory receptors for bio-electronic odour detection technology (bio-nose) against security threats in Nigeria
  - b. ***Committee for Aid and Education in Neurochemistry (CAEN) Award (2022)*** of the International Society for Neurochemistry (ISN)
  - c. ***Third Prize Award for Poster Presentation*** at the 19th National Scientific Conference of the Neuroscience Society of Nigeria (NSN) 2022.
  - d. ***Award for Publication of Articles (2021)*** by The Postgraduate College, University of Ibadan, Oyo State, Nigeria.
  - e. ***First Prize Award as Outstanding Participant for Oral and Poster Presentation*** at the 11<sup>th</sup> Annual Conference of the International Brain Research Organization – African Regional Committee (IBRO-ARC), Cairo, Egypt, 2020
  - f. ***International Brain Research Organization (IBRO) Grant Award*** for IBRO-ARC School. Based in Paris, France, 2020
  - g. ***NEEDS Assessment Intervention Fund (NAIF) Award*** of the Federal Government of Nigeria for PhD Bench Work at the University of Leipzig, Germany, 2018
  - h. ***Best Pre-Clinical Lecturer***, by Association of Veterinary Medical Students, Federal University of Agriculture Abeokuta, 2017
  - i. ***Committee for Aid and Education in Neurochemistry (CAEN) Award*** of the International Society for Neurochemistry (ISN) 2017
  - j. ***African Academy of Science (AAS) Grant Award*** for AAS Cell Biology and Regenerative Medicine Workshop. 2016
  - k. ***Best Pre-Clinical Lecturer***, by Association of Veterinary Medical Students, Federal University of Agriculture, Abeokuta, 2015
  - l. ***PhD Scholar's grade award***, University of Ibadan 2014
  - m. ***International Brain Research Organization (IBRO) Grant Award*** for IBRO School and Teaching Tools Workshop. Based in Paris, France, 2014

- n. **First prize Award** for poster presentation at the 11<sup>th</sup> Annual Conference of the Neuroscience Society of Nigeria, 2013
  - o. **Committee for Aid and Education in Neurochemistry (CAEN) Award** of the International Society for Neurochemistry (ISN). 2012
  - p. **Best Pre-Clinical Lecturer**, by Association of Veterinary Medical Students, Federal University of Agriculture, Abeokuta, 2011
  - q. **Distinction** in Veterinary Public Health, 2007
  - r. **Dean's Merit Award** for Outstanding Academic Performance, University of Ibadan, 2005
- xvi. Research Conducted**
- a. Neurocellular profiling of the brain of the Greater Cane Rat (*Thryonomys swinderianus*)
  - b. Cellular Basis for Memory deficits in the hippocampus following exposure to vanadium
  - c. Vanadium withdrawal studies on selected viscera in the adult mice
  - d. Adult neurogenesis in mice: The Role of Vanadium.
  - e. Neuroprotective role of Doxycycline in Vanadium-induced neurotoxicity
  - f. Neurobehavioural alterations following vanadium administration in malnourished neonatal mice
- xvii. Conference Attended**
- **19<sup>th</sup> National Scientific Conference of the Neuroscience Society of Nigeria (NSN), University of Ibadan, Ibadan, Oyo State, Nigeria. July 31<sup>st</sup> - August 1<sup>st</sup>, 2022.**
    - **Poster presentation:** Impairment of the hippocampal trisynaptic wiring following vanadium neurotoxicity in the African Giant rat (*Cricetomys gambianus*).
  - **18<sup>th</sup> National Scientific Conference of the Neuroscience Society of Nigeria (NSN), University of Port Harcourt, Rivers State, Nigeria. August 26-28, 2021.**

- **Oral presentation:** Neurocellular and Behavioural Alterations Following Vanadium Exposure in Malnourished Neonatal Mice
  
- **3<sup>rd</sup> International Brain Research Organization – African Regional Committee (IBRO-ARC) Online Workshop. December 17<sup>th</sup> -19<sup>th</sup>, 2020. Faculty of Science, Alexandria, Egypt.** Central Nervous System Developmental Remodelling and Neuroplasticity.
  - **Oral Presentation:** Neurogenesis in the Developing Brain of the Prenatal Greater Cane Rat (*Thryonomys swinderianus*, Temminck)
  
- **Virtual Conference by the World Association of Veterinary Anatomists (WAVA). August 22<sup>nd</sup>-23<sup>rd</sup> and 29<sup>th</sup> – 30<sup>th</sup>, 2020.** Using Virtual Animal Anatomy to bridge the COVID-19 gap in Cadaveric access and Laboratory Learning.
  
- **14<sup>th</sup> Conference of the Society of Neuroscientists Africa (SONA) in conjunction with the 17<sup>th</sup> Conference of the Neuroscience Society of Nigeria (NSN) Conference, Lagos, Nigeria. March 24-28, 2019.**
  - **Poster presentation:** Vanadium induces peripheral axonopathy in sciatic nerve
  
- **5<sup>th</sup> Unibadan Conference of Biomedical Research, Faculty of Basic Medical Sciences, University of Ibadan, Ibadan, Nigeria. 13-15th July 2016.**
  - **Poster presentation:** Histological and spinal tract tracings of the Greater Cane Rat (*Thryonomys swinderianus*, Temminck) Spinal Cord.

- **6<sup>th</sup> African Veterinary Association/53<sup>rd</sup> Nigerian Veterinary Medical Association (NVMA), Annual Congress Enugu, Nigeria. 31<sup>st</sup> of October – 4<sup>th</sup> of November, 2016.**

- ***Papers:***

- The brachial plexus of the African Giant Rat (*Cricetomys gambianus*, Waterhouse)
    - The development, production and characterization of indigenous neural stem cells from African rodents: A potential goldmine.
    - The neuronal, glial and connective tissue expression in the testis of the African Giant rat (*Cricetomys gambianus*, Waterhouse)
    - Morphological studies of the ependymal cells in the African Giant Rat (*Cricetomys gambianus*, Waterhouse) brain: Biology, Immunohistochemistry and Electron microscopy
  - **3<sup>rd</sup> Annual Workshop on Stem Cell Biology and Regenerative Medicine (SCB/RM), African Academy of Science at the Stellenbosch Institute of Advanced Study (STIAS), Stellenbosch, South Africa. 27<sup>th</sup> of June – 1<sup>st</sup> of July, 2016.**
    - ***Oral Presentation:*** The Development, Production and Characterization of Adult Neural Stem cells from the Greater Cane Rat (*Thryonomys swinderianus*)

- **52<sup>nd</sup> Annual Congress of the Nigerian Veterinary Medical Association (NVMA), Port Harcourt, Nigeria. 16<sup>th</sup> – 21<sup>st</sup> November, 2015.**

- ***Papers:***

- Spinal cord studies in the African Giant Rat (*Cricetomys gambianus*)
    - Histomorphology and spinal tract tracings of the greater cane rat (*Thryonomys swinderianus*, Temminck) Spinal Cord

- **9<sup>th</sup> Federation of European Neuroscience Societies (FENS), Milan, Italy. 5<sup>th</sup> – 9<sup>th</sup> July, 2014.**
  - ***Poster presentation:*** Neurobehavioral and cytotoxic effects of vanadium during oligodendrocyte maturation: A protective role for erythropoietin.
  
- **50<sup>th</sup> Annual Congress of the Nigerian Veterinary Medical Association (NVMA), Federal Capital Territory, Abuja, Nigeria. 11<sup>th</sup> - 15<sup>th</sup> November, 2013.**
  - ***Poster presentation:*** Behavioural and Neurocellular deficits in vanadium-exposed neonatal mice.
  
- **11<sup>th</sup> Annual Conference of the Neuroscience Society of Nigeria (NSN), Ibadan, Oyo State, Nigeria. 28<sup>th</sup> – 30<sup>th</sup> November, 2013.**
  - ***Poster presentation:*** Behavioural and Neurocellular deficits in vanadium-exposed neonatal mice.
  
- **49<sup>th</sup> Annual Congress of the Nigerian Veterinary Medical Association (NVMA), Ado-Ekiti, Ekiti State. 5<sup>th</sup> – 9<sup>th</sup> November, 2012.**
  - ***Oral presentation:*** The neuroarchitectural changes resulting from exposure to vanadium: a crude oil contaminant and related neuroprotective studies.
  
- **47<sup>th</sup> Annual National Congress of the Nigerian Veterinary Medical Association (NVMA), Makurdi, Benue State, Nigeria. 4<sup>th</sup> – 8<sup>th</sup> October, 2010.**
  - ***Poster presentation:*** Morphometric analysis of the external anatomy of the African catfish (*Clarias gariepinus*).

- **3<sup>rd</sup> International Neuroscience and Biomedical Research Institute (INBR). Federal Capital Territory Abuja, Nigeria. 24<sup>th</sup> – 30<sup>th</sup> July, 2010.**

#### **xviii. Publication**

1. Okandeji M.E., Olaniyi Z.B. and **Mustapha O.A.** (2023). Craniometric indices of the skull of adult Nigerian Indigenous Pigs (*Sus scrofa*). *Journal of Sustainable Veterinary & Allied Sciences* 4(2):70-78. Published by the College of Veterinary Medicine, Michael Okpara University of Agriculture Umudike, Nigeria.
2. Akinleye Akinrinde, Kabirat Adigun, and **Oluwaseun Mustapha** (2023). Cobalt-induced neuro-behavioural alterations are accompanied by profound Purkinje cell and gut-associated responses in rats. *Environmental Analysis Health and Toxicology* 38: e2023010. doi: <https://doi.org/10.5620/eaht.2023010>. Published by the Korean Society of Environmental Health and Toxicology/Korea Society for Environmental Analysis. Indexed in Pubmed, Scopus
3. Femi-Akinlosotu, O., Olopade, F. E., **Mustapha, O.**, Adekanmbi, A., & Olopade, J. O. (2023). Morphometric analysis of the spinal cord of the *Sus scrofa* (large white and landrace crossbreed). *Anatomia, histologia, embryologia*, 52(2), 289–299. <https://doi.org/10.1111/ahe.12883>. Published by the German Veterinary Anatomical Association. Available online [www.wileyonline.com](http://www.wileyonline.com).
4. **Mustapha O.A.**, Awala-Ajakaiye M., Taiwo B., Bello S.T., Olude M.A., Olopade J.O. (2023). Vanadium impairs neuronal infrastructure of the hippocampal trisynaptic loop in the African Giant Rat (*Cricetomys gambianus*, Waterhouse). *Nigerian Journal of Neuroscience* 14(1):1-



9. <http://doi.org/10.47081/njn2023.14.1/001>. Published by the Neuroscience Society of Nigeria.
5. Olaniyi, M.O., Alaka, O.O., Mshelbwala, F.M., Oni, O.O., Adebowale, O.O., Akintunde, O.G, Faramade, I.A., **Mustapha, O.A.**, Adeleye, O.E., Akinloye, A.K. and Talabi, O.A. (2022). Pathological, biochemical and hormonal changes associated with prolonged administration of methanol extract of *Garcinia kola* seed in adult male wistar rats Vol Nigerian Veterinary Journal. 43 (4): 36 - 49. Published by The Nigerian Veterinary Medical Association.
6. **Mustapha O. A.**, Dosunmu D. P., Teriba E. E., Mshebwalla F. M., Ladagu A. D., Olude M. A., and Olopade J. O. (2022): Histo-architectural changes in selected organs following vanadium administration in malnourished mice. ***Tropical Veterinarian***, 40(3&4) 34-44. Published by the Faculty of Veterinary Medicine, University of Ibadan, Nigeria.
7. Olude MA, Mouihate A, **Mustapha OA**, Farina C, Quintana FJ and Olopade JO (2022). Astrocytes and Microglia in Stress-Induced Neuroinflammation: The African Perspective. ***Frontiers in Immunology*** 13:795089. doi: 10.3389/fimmu.2022.795089. ***Impact factor: 7.561***
8. Famakinde S.A., **Mustapha O.A.**, Okwelum N., Teriba E.E. and Olude M.A. (2022). Concurrent Arhinia and Choanal Atresia in a Day Old Male Kid. ***Bulgarian Journal of Veterinary Medicine*** 25(2);339-345. Published by Faculty of Veterinary Medicine, Trakia, University Stara, Zagora, Bulgaria. Available online at [www. tru.uni-sz.bg](http://www.tru.uni-sz.bg).  
<https://doi.org/10.15547/bjvm.2020-0031>.

9. Olude M.A., Olopade, F.O., **Mustapha O.A.**, Bello S.T., and Olopade J.O. (2021). Ultrastructural Morphology of the Ependyma and Choroid Plexus in the African Giant Rat (*Cricetomys gambianus*, Waterhouse). ***Folia Veterinaria***, **65(1):45 – 53**. <https://doi.org/10.2478/fv-2021-0006>. Published by the University of Veterinary Medicine and Pharmacy, Slovakia.
  
10. **Oluwaseun Ahmed Mustapha**, Egunoluwa Elizabeth Teriba, Oluwaseun Samuel Ezekiel, Ayokunle Matthew Olude, Adebayo Koyuum Akinloye, and James Olukayode Olopade (2020). A review of scientific publications on the Greater Cane Rat (*Thryonomys swinderianus*, Temminck 1827). ***Animal Models and Experimental Medicine*** 3(1): <https://doi.org/10.1002/ame2.12103>. Published jointly by the International Association for Comparative Medicine, Chinese Association for Laboratory Animal Sciences (CALAS) and the Institute of Laboratory Animal Sciences of Chinese Academy of Medical Sciences & Peking Union Medical College. Available online <https://onlinelibrary.wiley.com>
  
11. Gilbert T., Olopade F.E., **Mustapha O.A.**, Folarin O. R., Olopade J.O. (2020). Histological and immunohistochemical study of pineal and pituitary glands of the greater cane rat (*Thryonomys swinderianus*, Temminck 1827). ***Archives of Basic and Applied Medicine***, 8(2):137 – 142. Published by the Faculty of Basic Medical Sciences, University of Ibadan. [www.archivesbamui.com](http://www.archivesbamui.com)
  
12. Olaniyi M.O., Ekum D.E., Omoshaba E.O., Sonibare A.O., Ajayi O.L., Ojo O.E., Faramade I., **Mustapha O.A.**, and Alaka O.O. (2020). Pathomorphological changes and bacterial pathogens associated with swine pneumonias in Southwest Nigeria. ***Journal of Natural Sciences, Engineering and Technology***, 19(1&2):8-24. Published by Federal

University of Agriculture Abeokuta. Available online at  
[www.journal.unaab.edu.ng](http://www.journal.unaab.edu.ng)

13. **Mustapha O.A.**, Ezekiel O.S., Olaolorun F., Awala-Ajakaiye M., Popoola E.S., Olude M.A., and Olopade J.O (2020). Morphological Characterization of the Developing Greater Cane Rat (*Thryonomys swinderianus*) Brain. ***Developmental Neuroscience***, 42(2-4):114-123.  
<https://doi.org/10.1159/000510848>. **IMPACT FACTOR 3.041**
14. Olaniyi M.O., Ajayi O.L., Alaka O.O., **Mustapha, O.A.**, Brown C.C., Shields J.P., Ard M.B., and Nagy T. (2020). Immunohistochemical and ultrastructural studies of *Mycoplasma hyopneumoniae* strain in naturally infected pigs in Nigeria. ***Folia Veterinaria*** 64(1):1-10. Published by the University of Veterinary Medicine and Pharmacy, Slovakia.
15. **Mustapha O.A.**, Olude M.A., Bello S.T., Taiwo A.I., Jagun A., Olopade J.O. (2019). Peripheral axonopathy in sciatic nerve of adult wistar rats following exposure to vanadium. ***Journal of Peripheral Nervous System***, 24:94–99. <https://doi.org/10.1111/jns.12294>. Published by The Peripheral Nerve Society (USA). Impact factor: 2.55
16. **Mustapha, O.A.** Olude, M.A., Taiwo B. and Olopade J.O. (2019): Cytoarchitecture of the hippocampal formation in the African Giant Rat (*Cricetomys gambianus*, Waterhouse). ***Nigerian Journal of Physiological Sciences*** 34(1): 55-62. Published by the Physiological Society of Nigeria (Elsevier).
17. Adebayo AO, Adegbesan ZA, Okandeji ME, **Mustapha OA**, Olude MA, Akinloye A.K. (2019). An anatomical perspective: does the male greater cane rat (*Thryonomys swinderianus*) have a scrotum? ***Anatomy Journal of Africa*** 8(2): 1523 - 1530.

18. **Mustapha O.A.**, Olude M.A., Ezekiel S., Seeger J., Fietz S.A. and Olopade J.O. (2019). Developmental horizons in the pre-natal development of the Greater cane rat (*Thryonomys swinderianus*). ***Anatomia Histologia Embryologia*** 48(2): 231-238. <https://doi.org/10.1111/ahe.12470>. Published by the German Veterinary Anatomical Association. Available online [www.wileyonline.com](http://www.wileyonline.com).
19. **Mustapha O.A.**, Ajadi T.A., Mustapha O.O., Olaolorun F.A., Popoola E.S., Olude M.A. and Olopade J.O. (2019). Sonographic features of gestation in the developing greater cane rat (*Thryonomys swinderianus*). ***Bulletin of Animal Health and Production in Africa*** 67(3): 247-254. Published by the African Union Inter-African Bureau for Animal Resources. Available online [www.ajol.info](http://www.ajol.info)
20. Olude, M.A., Bello S.T., **Mustapha O.A.**, Olopade F.E., Plendl J., Ihunwo A.O., and Olopade J.O. (2018). Oligodendrocyte morphology in the developing brain of the African giant rat (*Cricetomys gambianus*, Waterhouse): Histology, Immunohistochemistry and Electron microscopy. ***Anatomia Histologia Embryologia*** 47(3): 231-238. <https://doi.org/10.1111/ahe.12348>. Published by the German Veterinary Anatomical Association. Available online [www.wileyonline.com](http://www.wileyonline.com).
21. Oyenekan I.O., Akinloye A.K., Okandeji, M.E., **Mustapha, O.A.**, Olude, M.A., Adebayo, A.O. and Ajeigbe S.O. (2018). Histoarchitecture and histomorphometry of the oviduct of Japanese Quail (*Coturnix coturnix japonica*). ***Tropical Veterinarian***, 36(4) 237-248. Published by the Faculty of Veterinary Medicine, University of Ibadan, Nigeria.
22. Olude M.A., Bello S.T., **Mustapha, O.A.**, Olopade, F.O. and Olopade J.O. (2018). Processing Rodent Brain Tissues: Review of Basic Anatomical Techniques for Scientists with Minimal Knowledge of Neuroanatomy.

***Nigerian Veterinary Journal***. 39(4): 295-307. Published by The Nigerian Veterinary Medical Association.

23. Olude, M.A., Mustapha, O.A. and Olopade J.O. (2017): Morphological Characterization of the African Giant Rat (*Cricetomys gambianus*, Waterhouse) Brain across Age Groups: Gross Features of Cortices. ***Nigerian Journal of Physiological Sciences*** 31(2):133-138. Published by the Physiological Society of Nigeria.
24. Falade T.E., Olude M.A., Mustapha O.A., Mbajorgu E.F., Ihunwo A.O., Olopade J.O. & Oke B.O. (2017). The neuronal, glial and connective tissue expression in the testis of the African Giant rat (*Cricetomys gambianus*, Waterhouse). *Journal of Morphological Sciences* 34(4): 186-193. Published by the Brazilian Society of Anatomy and Pan-American Association of Anatomy. DOI: <http://dx.doi.org/10.4322/jms.109117>.
25. Mustapha, O.A., Sulaimon S.T., Olude, M.A., Aderounmu. O.A., Okandeji, M.E., Akinloye, A.K., Olopade, J.O. & Oke, B.O. (2017): Anatomical Studies on the Spinal Cord of the GCR (*Thryonomys swinderianus*, Temminck) II: Histomorphology and Spinal Tracings. *Nigerian Veterinary Journal*. 38(2): 129-139. Published by The Nigerian Veterinary Medical Association.
26. **Mustapha, O.A.**, Ayoade O.E., Ogunbunmi T.K. and Olude M.A. (2015): The oral cavity of the African giant rat (*Cricetomys gambianus*, Waterhouse 1840). ***Bulgarian Journal of Veterinary Medicine*** 18 (1); 19-30. Published by Faculty of Veterinary Medicine, Trakia, University Stara, Zagora, Bulgaria. Available online at [www.tru.uni-sz.bg](http://www.tru.uni-sz.bg)
27. Olude, M.A., **Mustapha, O.A.**, Aderounmu, O.A., Olopade, J.O. & Ihunwo, A.O. (2015): Astrocyte morphology, heterogeneity and density in the developing African Giant Rat (*Cricetomys gambianus*). ***Frontiers in***

**Neuroanatomy**. Vol. 9 (article 67); pg1-10. doi:  
<https://doi.org/10.3389/fnana.2015.00067>. Published by Frontiers in  
Neuroanatomy USA, Available online at [www.frontiersin.org](http://www.frontiersin.org)

28. Oyewusi J.A., Oyewusi I.K., Takeet O.V.A., **Mustapha O.A.**, Awoyomi O.J. and Olurode S.A. (2015): Polytherapy in ovine coccidiosis: A Case Report. **Journal of Veterinary Advances** Vol. 5 Issue 6 Pg1-6. Available online at [www.grjournals.com](http://www.grjournals.com)
29. **Mustapha, O.A.**, Aderounmu. O.A., Olude, M.A., Okandeji, M.E., Akinloye, A.K., Oke, B.O. & Olopade, J.O. (2015): Anatomical Studies on the Spinal Cord of the Greater Cane Rat (*Thryonomys swinderianus*, Temminck) 1: Gross Morphometry. **Nigerian Veterinary Journal** 36(2): 1192-1202. Published by The Nigerian Veterinary Medical Association.
30. Olude M.A., Idowu A.O., **Mustapha O.A.**, Olopade J.O. Akinloye A.K. (2015). Spinal cord studies in the African giant rat (*Cricetomys gambianus*, Waterhouse). **Nigerian Journal of Physiological Sciences** 30(1-2): 25-32. Published by The Physiological Society of Nigeria.
31. Awoyomi O.J., Oyewusi J.A., Talabi A.O., Oyewusi I.K., Biobaku K.T, **Mustapha O.A.**, and Agbaje M. (2014). Isolation of *Aeromonas hydrophilia* in a case of wound infection in Cattle in Nigeria. **Journal of Animal Production**, 41(1): 213-219. Published by Nigerian Society for Animal Production.
32. **Mustapha O.A.**, Oke B., Offen N., Sirén A. and Olopade J. (2014). Neurobehavioral and cytotoxic effects of vanadium during oligodendrocyte maturation: A protective role for erythropoietin. **Environmental**

**Toxicology and Pharmacology**, 38: 98–111. Published by Elsevier (United Kingdom). <http://dx.doi.org/10.1016/j.etap.2014.05.001>

33. Akinloye A.K., Oyenekan I.O., Okandeji M.E., **Mustapha O.A.**, Olude M.A. and Adebayo A.O. (2014): Gross Morphometric Study on the Reproductive System of the Japanese Quail (*Cortunix cortunix japonica*). **Tropical Veterinarian** 32(3&4):87-96. Published by the Faculty of Veterinary Medicine (Nigeria).
34. Olude, M.A., **Mustapha, O.A.**, Sonubi A.C., Ogunbunmi, T.K., Falade, E.T., Adebayo, O.A., and Akinloye, A.K. (2014). Morphometric analysis of the skull of the Greater cane rat (*Thryonomys swinderianus*, Temminck). **Nigerian Veterinary Journal**, 35(3): 1026-1037. Published by Nigerian Veterinary Medical Association.\
35. Olude, M.A., Mustapha, O.A., Ogunbunmi, T.K., and Olopade J.O. (2013): The Vertebral Column, Ribs, and Sternum of the African Giant Rat (*Cricetomys gambianus* Waterhouse). The Scientific World Journal Vol. 13: 1-5. Article ID 973537. Published by Hindawi Publishing Corporation (USA). <http://dx.doi.org/10.1155/2013/973537>.
36. Olude, M.A., Olopade, J.O., Igado, O.O., **Mustapha O.A.** and Akinloye A.K. (2011): Some Aspects of the Orbital and Ocular Morphometry of the African Giant Rat (*Cricetomys gambianus*, Waterhouse). **Journal of Veterinary Anatomy**. Vol 4 No 1: 11 – 18. Published by the African Association of Veterinary Anatomists (Egypt). [www.vetanat.com](http://www.vetanat.com)
37. Matthew A. Olude, James O. Olopade, Adebayo K. Akinloye and **Mustapha O. A.** (2010): Macro-anatomical investigations of the skeletons of the African giant rat (*Cricetomys gambianus* Waterhouse 1840) II: Fore limb. **European Journal of Anatomy**, 14 (1):19-23.

Published by Sociedad Anatomica Espanola (Spanish Anatomical Society).  
Available online [www.med.ub.es/sae](http://www.med.ub.es/sae)

38. Olude, M.A., Olopade, J.O. & **Mustapha, O.A.** (2009): Macro-Anatomical Investigations of the Skeleton of the African Giant Rat, Pelvic Limb. *European Journal of Anatomy*, 13 (3): 127-131. Published by Sociedad Anatomica Espanola (Spanish Anatomical Society). Available online [www.med.ub.es/sae](http://www.med.ub.es/sae)

### **(ii) Journal Articles Accepted for Publication**

39. **Oluwaseun Mustapha**, Thomas Grochow, James Olopade and Simone A. Fietz (2023). Neocortex neurogenesis and maturation in the African greater cane rat. *Neural Development*

### **(iii) Copyright/Patents**

40. **Copyright:** The Tibial depression of Olude in the African giant rat (Nigerian Copyright Commission Notification Number: CN/L/2560).
41. **Copyright:** Rostral accessory incisive foramen of Amarawike in the Greater Cane Rat (Nigerian Copyright Commission Notification Number: LW0640)

### **(iv) Proceedings**

42. Akinleye Akinrinde, Kabirat Adigun, Abimbola Adekanmbi, **Oluwaseun Mustapha** (2022). Alterations of behavior, faecal bacteria and fatty acids, brain and intestinal morphology in rats exposed to Cobalt chloride. *Proceedings of the International Society for Neurochemistry (ISN) – Asian-Pacific Society for Neurochemistry (APSN)*, 2022 Meeting, Kyoto, *Journal of Neurochemistry*, Volume 162, Suppl., 1: 71. <https://doi.org/10.1016/j.jbror.2019.09.071>. Published by the International Society for Neurochemistry.



43. **Mustapha O.A.**, Faluyi, O.B. and Olude, M.A. (2019). Review of Morphological Research on the African Giant Rat: Looking Beyond Edible Animal Protein. ***Proceedings of the School of Agriculture and Agriculture Technology, FUTA***. 10th Annual Conference, Olutayo M.O., Adekunle V.A.J., Adebayo R.A., Oparinde L.O. and Gbadamosi O.K. (Eds.) pp. 99-103. Published by School of Agriculture and Agriculture Technology, Federal University of Technology, Akure.
44. **Oluwaseun Ahmed MUSTAPHA**, Thomas Grochow, James Olopade, Simone Angelika Fietz (2019). Developmental biology and neurogenesis in the prenatal Greater Cane Rat (*Thryonomys swinderianus*). ***Special Issue: Abstracts from the 2019 Meeting of the American Association of Veterinary Anatomists, University of Calgary***, Banff, Alberta, Canada. ***Anatomia Histologia Embryologia*** 48 (Special Issue): 22. <https://doi.org/10.1111/ahe.12492>. Published by the German Veterinary Anatomical Association. Available online [www.wileyonline.com](http://www.wileyonline.com).
45. **Mustapha O.A.**, Olude M.A., Bello S.T., Taiwo A., Jagun A., Olopade J.O. (2019). Vanadium induces peripheral axonopathy in sciatic nerve. **14th Society of Neuroscientists in Africa Conference. IBRO Reports** 7, Suppl., 34. <https://doi.org/10.1016/j.ibror.2019.09.071>. Published by the International Brain Research Organization, Paris, France.
46. J Olopade, **O. Mustapha**, B Oke, N Offen, A-L Sirén (2014). Neurobehavioral, histopathological and cytotoxic effects of vanadium during oligodendrocyte maturation: a protective role for erythropoietin: O02-7. ***Proceedings of the 12th Biennial Meeting of the Asian-Pacific Society for Neurochemistry***. 23–26 August, 2014, Kaohsiung, Taiwan. ***Journal of Neurochemistry***, 130 (Suppl. 1): 41-42. <https://doi.org/10.1111/jnc.12777>.