

## Curriculum Vitae

**BANKOLE, Oluwamolakun**

B.Sc. Human Biology; M.Sc. Biology,

Tel.:+393248647233;  
+234(0)8084887065

**email:**

[oluwamolakunoluwatobi.bankole@univr.it](mailto:oluwamolakunoluwatobi.bankole@univr.it)

[mollytbanks@gmail.com](mailto:mollytbanks@gmail.com);

[bankolem@abuad.edu.ng](mailto:bankolem@abuad.edu.ng)

**Current Position:** PhD Student,  
Department of Neuroscience, Biomedicine and  
Movement Sciences,  
University of Verona,  
Verona, Italy.

**Date of Birth:** 6<sup>th</sup> April, 1992

**Marital Status:** Single

**State of Origin:** Ogun State

### **EDUCATION**

<b>Institution</b>	<b>Date</b>	<b>Area of Specialization</b>
University of Verona, Verona, Italy	November 2018 to date	PhD Neuroscience (in view)
Afe Babalola University, Ado-Ekiti, Nigeria	October 2016	M.Sc. Biology
Afe Babalola University, Ado-Ekiti, Nigeria	October 2013	B.Sc. Human Biology
International Secondary School, Ifako, Lagos State, Nigeria	2000-2007	S.S.C.E/WASSCE

### **RESEARCH TRAINING**

Nigerian Institute of Science Laboratory Technology (NISLT), Ibadan, Nigeria	2018	Certificate of Training in Molecular Techniques and Biotechnology
Nigerian Institute of Science Laboratory Technology (NISLT), Ibadan, Nigeria	2013	Certificate of Training in Modern Laboratory Diagnostic Methods and Techniques

## PROFESSIONAL EXPERIENCE

**Lecturer II:** Afe Babalola University, Ado-Ekiti, Ekiti State Nigeria. October 2017 till date.

**Assistant Lecturer:** Afe Babalola University, Ado-Ekiti, Ekiti State Nigeria.  
November 2016-2017

---

**Graduate Research Assistant:** Afe Babalola University, Ado-Ekiti, Ekiti State Nigeria.  
October 2014-2016

---

**Research Assistant:** Federal Institute of Industrial Research, Oshodi, Lagos State,  
Nigeria 2013-2014.

---

**Research Assistant:** Lagos State University College of Medicine, Lagos, Nigeria.  
2012.

---

**Research Statement:** My research interest lies in understanding the processes involved in the pathogenesis of certain neurodegenerative diseases such as Parkinson's disease and Amyotrophic lateral sclerosis (ALS). I started by studying Parkinson's disease in rodent models and focusing on dopamine receptor regulation and the perturbation of the dopaminergic system. I went further to investigate novel issues related to the pathogenesis of the synaptopathy which characterizes Alzheimer's disease and investigated the potential relationships between synaptic plasticity, the extracellular matrix and vigilance states (sleep and wakefulness), using murine models of this disease.

Presently, I am PhD student at the university of Verona, Italy, as part of the INVITE European Union funded project, in the department of Neuroscience, biomedicine and movement sciences. My PhD research focuses on the use of a combination of two epigenetic drugs, resveratrol and valproate, as a novel therapeutic intervention for ALS using SOD1 mice as a model of study, with expectations of further developing and testing these drugs in clinical trials with ALS patients.

In the future I hope to take my research further, into investigating the pathogenesis of other neurodegenerative diseases such as Multiple sclerosis (MS).

## MEMBERSHIPS

1. **SONA:** Society for Neuroscientists in Africa
2. **NSN:** Neuroscience Society of Nigeria
3. **OWSD:** Organization of Women in Science for the Developing world
4. **SINS:** Italian society for Neuroscience
5. **FENS:** Federation of European Neuroscience Societies

## COMMENDATIONS AND HONOURS

Academic Prize	Awarding Institute	Year of Award
Special Letter of Automatic	Afe Babalola University, Ado-	October, 2013

Employment	Ekiti, Nigeria	
First class prize Award	AfeBabalola University, Ado-Ekiti, Nigeria	October, 2013
Award Of Reliability and Exemplary Leadership	Afe Babalola University, Ado-Ekiti, Nigeria (Class Of 2013 planning committee)	May, 2013
First Class Prize Money Award(N100,000)	Afe Babalola University, Ado-Ekiti, Nigeria	September, 2010

## GRANTS

Grant Agreement number: 754345 — INVITE — H2020-MSCA-COFUND-2016

## CONFERENCES ATTENDED

Italian Society of Neuroscience (SINS): National meeting Of PhD students In Neuroscience 2019 (March 1<sup>st</sup>, 2019)

-13TH Annual Conference of the Neuroscience Society Of Nigeria (NSN), (November 11th to 14th, 2015).

## WORKSHOPS ATTENDED

3rd HBP curriculum workshop. Neurobiology for non-specialists: Studying the Brain. 1-3 July, 2019 at the Medical University of Innsbruck, Austria.

3rd HBP curriculum workshop. New Horizons in Brain Medicine: From research to clinics. 3-5 July, 2019 at the Medical University of Innsbruck, Austria.

3rd HBP curriculum workshop. High performance computing for neuroscience. 9-11 July, 2019 at the Forschungszentrum Julich, Germany.

## SUMMER SCHOOLS ATTENDED

Catania International Summer School of Neuroscience (CISSN): Neurogenetics and Neurogenomics. 22-26 July, 2019 at the University of Catania, Italy.

## SEMINAR PRESENTATIONS

1. Genetic Knockout of Structural Organizers; a Model for Studying the role of Cytoskeleton in Synaptic refinement (2015) M.Sc Biology (Presentation, Department of Biological Sciences, AfeBabalola University, Nigeria.
2. Biology of Fungal infection “Dermotophytosis” (2013) Undergraduate Final Year Presentation, Department of Biological Sciences, Afe Babalola University, Nigeria.

3. Tissue Processing and Anatomical Laboratory Techniques (2012). Industrial Training Report/Seminar at the Lagos State University College of Medicine, Nigeria.

#### **PUBLICATIONS IN PEER REVIEWED INDEXED JOURNAL**

1. Laoye, B.J., Okurumeh, O.A., Obagaye, O.V., Olagunju, O.M., Bankole, O.O., Olubiyi O.O., Ogundele, O.M. (2016). Dopamine binds calmodulin during autoregulation of dopaminergic D2 receptor signaling through CaMKII $\alpha$ -calmodulin complex. *Journal of Receptor and Signal Transduction*. 36:271-277. doi: 10.3109/10799893.2015.1091476 . PMID: 26446938
2. Olajide, O.J., Enaibe, B.U., Bankole, O.O., Akinola, O.B., Laoye, B.J., Ogundele, O.M. (2016). Kolaviron was protective against sodium azide (NaN<sub>3</sub>) induced oxidative stress in the prefrontal cortex. *Metabolic Brain Disease*. 31:25-35. doi: 10.1007/s11011-015-9674-0. PMID: 25916484
3. Adeniyi, P.A., Ishola, A.O., Laoye, B.J., Olatunji, B.P., Bankole, O.O., Shallie, P.D., Ogundele, O.M. (2015). Neural and behavioural changes in male periadolescent mice after prolonged nicotine-MDMA treatment. *Metabolic Brain Disease*. 31:93-107. doi: 10.1007/s11011-015-9691-z. PMID: 26088184

#### **PUBLICATIONS IN PEER REVIEWED NON-INDEXED JOURNAL**

4. Bankole, O.O., Laoye, B.J., Sirjao, M.U., Ishola, A.O., Oyeleke, D.E., Balogun, W.G., Abdulbasit, A., Cobham, A.E., Akinrinade, I.D., Ogundele, O.M. (2015). Vitamin D 3 Receptor Activation Rescued Corticostriatal Neural Activity and Improved Motor Function in – D 2 R Tardive Dyskinesia Mice Model. *Journal of Biomedical Science and Engineering*. 8: 520-530. doi: 10.4236/jbise.2015.88049
5. Ishola, A.O., Laoye, B.J., Oyeleke, D.E., Bankole, O.O., Sirjao, M.U., Cobham, A.E., Balogun, W.G., Abdulbasit, A., Akinrinade, I.D., & Ogundele, O.M. (2015). Vitamin D 3 Receptor Activation Rescued Corticostriatal Neural Activity and Improved Motor-Cognitive Function in – D 2 R Parkinsonian Mice Model. *Journal of Biomedical Science and Engineering*. 8: 601-615. doi: 10.4236/jbise.2015.89056
6. Laoye, B.J., Bankole, O.O., Ekundayo, E.A., Ishola, A.O. (2018). Inhibition of Dopamine Receptor in Neonate Hippocampus: Immunolocalization of Post Synaptic Density Protein-95 and Dopamine Receptor in vivo. *Biology and Medicine (Aligarh)*. 10: 441-447. doi: 10.4172/0974-8369.1000441
7. Bankole, O.O., Ogunnusi, T., Laoye, B.J., Ishola, A.O., Poluyi, E. (2018). Defect in Synaptic Pruning of Motor Cortex Neurons is Associated with Early Perturbed Dopaminergic System. *Biology and Medicine (Aligarh)*. 10: 449-455. doi: 10.4172/0974-8369.1000449
8. Ishola, O.A., Ademola, A.T., Allen, R.K., Laoye, B.J., Bankole, O.O., Ajao, M.S., Adeniyi, P.A. (2019). GABA Receptor Plasticity in Neuropathic pain: Pain and Memory Effects in Adult Female Rats. *Egyptian Pharmaceutical Journal*.

**Hobbies:** Swimming, Reading and Tennis.

## **REFEREES**

**Raffaella Mariotti., Ph.D.**

**Department of Neuroscience, Biomedicine and Movement sciences,**

University of Verona,

Strada le grazie, 8, 37134,

Verona, Italy.

**Tel:** +390458027164, **email:** [raffaella.mariotti@univr.it](mailto:raffaella.mariotti@univr.it)

**Egbebi Adeola., Ph.D.**

**Department of Biological Sciences,**

Afe Babalola University,

KM 8.5 Afe Babalola way,

Ado-ekiti, Ekiti state,

Nigeria.

**Tel:** +234(0)8067343382, **email:** [egbebia@abuad.edu.ng](mailto:egbebia@abuad.edu.ng)