

Prof. Mayowa Ojo OWOLABI

MBBS, MSc, (distinction) DrM, MD, DSc, FMCP, FWACP, FRCP, FANA, FAHA, FAAN, FAAS, FAS, FAMedS, FTWAS

Director, Center for Genomic and Precision Medicine, University of Ibadan, Nigeria

Dean, Faculty of Clinical Sciences, University of Ibadan (2018-2022)

Foundation Co-Chair, African Stroke Organization

Pioneering Regional Vice President (Sub-Saharan Africa) World Federation for NeuroRehabilitation

Member, Presidium, World Federation for NeuroRehabilitation

Regional Director (Sub-Saharan Africa), World Hypertension League

Foundation Co-Chair, African Stroke Organization

Lead Co-Chair, WSO-*Lancet* Commission on Stroke

Chair, *Lancet* Commission on Neurorehabilitation

Co-Lead Africa-Europe Centres of Research Excellence (CoRE) in Non-Communicable Diseases & Multimorbidity, African Research Universities Alliance (ARUA) & The Guild

Associate Editor, *Stroke*

Member, WHO Technical Advisory Group on NCD Research and Innovation

Member, Board of Directors, World Stroke Organization

Member, Board of Directors, World Hypertension League

Associate Editor, *Stroke*

Academy Secretary, Academy of Medical Sciences (Nigeria)

Chair, Scientific Committee, Nigeria Genomics Consortium



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BRIEF BIOGRAPHY

Professor Mayowa Ojo OWOLABI *MBBS, MSc(distinction), DrM, MD, DSc, FMCP, FWACP, FRCP, FANA, FAHA, FAAN, FAAS, FAS, FAMedS*, is a renowned Professor of Medicine; Director, Center for Genomic and Precision Medicine; and Dean, Faculty of Clinical Sciences (2018 to 2022), University of Ibadan.

He is an eminent scholar and global leader in medicine especially neurology, brain health and global health including community-based genomic epidemiology of non-communicable diseases, with a stroke phenotyping software **patent** (Reg.#: NG/PT/NC/2016/2007); over **460 peer-reviewed publications** including in *The Lancet*, and *Nature*, with **>174,000 citations and a Google Scholar h-index of 102**. He is **associate editor of *Stroke*** journal and several other top tier Neurology and medical journals. He is a recognized global leader in medicine.

He is an outstanding scientist with several inventions/innovations including the ‘Seed of Life Model’ a conceptual model of holistic essence and quality of life; the HRQOLISP, a multiculturally-validated

quality of life measure for stroke, available globally in various languages and countries; ‘stroke quadrangle’ and ‘brain quadrangle’, which are adopted globally as cardinal approaches for global interventions against stroke and for promoting brain health; ‘stroke levity scale’, a simple brief and valid stroke severity scale; ‘stroke recovery spiral’ a pathway to recovery after stroke tapping internal adaptation and psycho-spiritual wellbeing; and implementation cycle for translating evidence into policy and practice in the control of chronic diseases.

He led the largest study of stroke in Africa to unravel the dominant risk factors for stroke in Africa and discover the dose-response protective effect of green leafy vegetables against stroke and hypertension. Working with legislators, his team translated this into a stroke bill and stroke prevention manual in Oyo State. He led the discovery of the association between *APOL 1* and stroke; and the genome-wide association of novel SNPs near *AADACL2* and microRNA (*MIR5186*) genes and stroke. He led the development of prediction models for stroke and hypertension which has been developed into a mobile phone application for primary prevention of stroke in Africa.

He is the principal investigator of several research and training grants and co-investigator in several including Stroke Investigative Research & Educational Network (SIREN) grant (with the largest neurobiobank in Africa > 170,000 samples) from National Institutes of Health (NIH), USA; Systematic Investigation of Blacks with Stroke using Genomics (SIBS Genomics) R01NS107900. He is the pioneer Chair of the largest study of cardiovascular diseases in Africa (H3Africa-CVD WG with >55,000 subjects). He leads the African Biobank and longitudinal African Biobanks and Longitudinal Epidemiological Ecosystem (ABLE).

He is among the **global top 2% scientists** (2024) and the winner of the **2021 World Stroke Organization Global Award for Outstanding Contributions to Clinical Stroke Research**. He is the fifth person so far to be awarded the **DSc** of the University of Ibadan (since inception >75 years ago) and is ranked among the **top 3 Nigerian scientists** (STATISENSE 2024) https://x.com/StatiSense/status/1749783435210563944?t=6FwVe_sA9H8-r6XroX_dAg&s=08

Through his research projects and global networks he has **mentored over 20 PhD/MD doctorates and Postgraduate Medical College fellowships**, and professors with many international and national awards including the 2023 NAS Gold Medal Prize

He is a **foremost leader in the global fight against stroke and a frontline leader in the fight against hypertension, stroke and non-communicable diseases in Africa**. He is currently leading the call for action against hypertension in Africa (ACHIEVE) working with the World Hypertension League, World Health Organization and Resolve To Save Lives. He co-founded and chairs the **WSO-Lancet Commission on Stroke** which characterized the state of stroke services across the globe and developed pragmatic solutions for reducing the global burden of stroke through the ‘**stroke quadrangle**’. He is also leading the ‘**neurology revolution**’ to promote brain health globally through the “neurology quadrangle” (comprising surveillance, prevention, acute care and rehabilitation). He proposed the ‘neurology revolution’ and led a position paper with about 40 neurology organizations on how to promote brain health globally. He chairs the committee for domestication of the WHO-Intersectoral Global Action against neurological disorders in Africa. He leads **The Lancet Commission on Neurorehabilitation** and the WHO program on pragmatic solutions for improving acute care for neurological emergencies globally.

He is the pioneer Regional Vice-President, World Federation of Neurorehabilitation (Africa); member Board of Directors, World Stroke Organization; African Regional Director, World Hypertension League. He is foundation Co-chair African Stroke Organization; and Member/*Rapporteur* of the WHO Technical Advisory Group on NCD (Research and Innovation). He is co-Lead of the African Research Universities Alliance-The Guild Universities Cluster of Excellence for non-communicable diseases. He is a Fellow of the American Academy of Neurology, American Heart Association, Royal College of Physicians, Nigerian Academy of Science, African Academy of Science and Atria Academy of Science and Medicine (USA), The World Academy of Sciences. He is Chair (Scientific) Nigerian Genomics Consortium, and Member, National Health Research Committee, Nigeria. He is Academy Secretary, Academy of Medical Sciences (Nigeria).

EDUCATION AND DEGREES

Degrees/Credentials:	MBBS, University of Ibadan, Ibadan, Nigeria, 1997 Certificate in Neurology, Charité University of Medicine, Berlin, Germany, 2006 <i>Doctor medicinae</i> (magna cum laude), Charité University of Medicine, Berlin; Humboldt University, Berlin, and Free University, Berlin, Germany, 2010 Certificate in Epidemiology & Global Health, University of Dundee, Scotland, UK, 2010 M.Sc. Biomedical Education with distinction, University of Ibadan, 2011 Foundation Doctor of Medicine MD degree, National Postgraduate College of Nigeria 2021 Doctor of Science, University of Ibadan, Ibadan, Nigeria, 2023
University Education:	University of Ibadan, Ibadan, Nigeria, 1990 - 1997 Charité University of Medicine, Berlin, Germany, 2005 - 2006 Humboldt University, Berlin, Germany, 2005 - 2006 Free University, Berlin, Berlin, Germany, 2005 - 2006 University of Dundee, Scotland, UK, 2010 University of Ibadan, Ibadan, Nigeria, 2009 – 2011
Faculty Appointments:	Consultant Neurologist, Federal Medical Center, Abeokuta, Nigeria, 2005 – 2006 Honorary Consultant Neurologist, University College Hospital, Ibadan, Nigeria, 2006 – now Faculty Representative on Technical and Research Training Subcommittee, University of Ibadan, 2010 – 2012 Senior Lecturer, Neurology Unit, Department of Medicine, University of Ibadan, Nigeria, 2009 - 2014

Professor, Department of Medicine, University of Ibadan, 2014 – now
 Postgraduate Coordinator, Department of Medicine, University of Ibadan, Nigeria, 2011 - 2012
 Sub - Dean (Postgraduate), Faculty of Clinical Sciences, University of Ibadan, Nigeria, 2012 - 2014
 Pioneer Director, Center for Genomic and Precision Medicine, University of Ibadan, 2016 – now
 Congregation Representative in the Senate, University of Ibadan, 2009 – 2014
 Pioneer Chair, Clinical Skills laboratory, University of Ibadan, 2016 - now
 Pioneer Director, Center for Genomic and Precision Medicine, University of Ibadan, 2016 – now
 Dean, Faculty of Clinical Sciences, 2018 to 2022
 Chair, Ad hoc Committee on Review of Promotion Guidelines, University of Ibadan, 2021-

FELLOWSHIPS

Fellow, National Postgraduate Medical College of Nigeria in Neurology, **FMCP**, 2005.
 Fellow of the American Academy of Neurology, **FAAN**, 2017
 Fellow of the Academy of Science (Nigeria), **FAS**, 2018
 Fellow of the American Neurological Association, **FANA**, 2018
 Fellow, Royal College of Physicians (London), **FRCP**, 2019
 Foundation Fellow of the Academy of Medical Sciences, **FAMedS**, 2021
 Fellow, African Academy of Sciences, **FAAS**, 2021
 Fellow, Atria Academy of Science and Medicine, New York, **FAASM**, 2022
 Fellow, American Heart Association, **FAHA**, 2023
 Fellow, West African College of Physicians, **FWACP**, 2023
 Fellow, The World Academy of Sciences, **FTWAS**, 2025

PROFESSIONAL AND GRADUATE TRAINING

1997 – 1998 House Officer, University College Hospital (UCH), Ibadan, Nigeria.
 1999 – 2002 Registrar, University College Hospital, Ibadan, Nigeria, National Postgraduate Medical College of Nigeria.
 2002 – 2006 Senior Registrar and Chief Resident, Neurology Unit, Dept. of Medicine, UCH, Ibadan, Nigeria. National Postgraduate Medical College of Nigeria.
 2004 – 2006 DAAD Research Scholar and Clinical Fellow, Department of Neurology, Charité, Germany.

ACADEMIC AND ADMINISTRATIVE POSITIONS HELD

1997 – 1998 House Officer, University College Hospital (UCH), Ibadan, Nigeria.

- 1998 – 1999** Medical Officer and Youth Corper, General Hospital, Kontagora, Nigeria
- 1999 – 2002** Registrar, University College Hospital, Ibadan, Nigeria
- 2002 - 2006** Senior Registrar and Chief Resident, Neurology Unit, Dept. of Medicine, UCH, Ibadan, Nigeria.
- 2002 – 2004** Physician/Investigator, Ibadan-Indianapolis Dementia Research Project
- 2005 – 2006** Consultant Neurologist, Federal Medical Center, Abeokuta, Nigeria.
- 2006 - now** Honorary Consultant Neurologist, University College Hospital, Ibadan, Nigeria
- 2006 – 2009** Lecturer 1, Neurology Unit, Department of Medicine, University of Ibadan, Nigeria.
- 2011 – 2012** Postgraduate Programs Coordinator, Department of Medicine, University of Ibadan, Nigeria
- 2010 – 2012** Faculty Representative on Technical and Research Training Sub-committee, University of Ibadan.
- 2012 – 2014:** Sub- Dean (Postgraduate), Faculty of Clinical Sciences, University of Ibadan, Nigeria
- 2009 – 2014:** Senior Lecturer, Neurology Unit, Department of Medicine, University of Ibadan, Nigeria.
- 2009 – 2014:** Congregation Representative in the Senate, University of Ibadan
- 2014 – now:** Professor, Department of Medicine, University of Ibadan
- 2016- 2017** Abstract reviewer for College Research Day, College of Medicine, University of Ibadan
- 2016 – 2017** Pioneer Chair, Clinical Skills laboratory, University of Ibadan
- 2016 – now:** Pioneer Director, Center for Genomic and Precision Medicine, University of Ibadan
- 2018 - 2022** Dean, Faculty of Clinical Sciences, University of Ibadan.

AWARDS AND DISTINCTIONS

A. UNIVERSITY AND NATIONAL

- 1990- 1991:** Faculty prize/Undergraduate scholarship, Faculty of Basic Medical Sciences
- 1991/1992:** Departmental prize in Anatomy
- 1991/1992:** May and Baker prize for best student in Preclinical Medical School
- 1997:** Best student in Medicine (Part IV MBBS exam)
- 1997:** Ekpo Eyo prize in Medicine and Radiology
- 2002:** Best result in, (National Postgraduate Medical College of Nigeria) FMCP Part I Faculty of Internal Medicine examination.
- 2005:** Dr. A.E. Ohwovoriole Endowed Prize for the best candidate in Part II FMCP Exams.
- 2008:** Mac Arthur Foundation Research Grant for “Doppler Ultrasound Studies of the Carotid Arteries in Patients with Stroke and Transient Ischemic Attack (TIA)” \$17,700
- 2011** Award of Excellence for the Best Project in M.Sc. Biomedical Education

- (Pioneer set).
- 2002** Member, West African College of Physicians (MWACP)
- 2005** Fellow, National Postgraduate Medical College of Nigeria in Neurology
(FMCP)
- 2017** Co-Founder, Nigerian Federation for Neurorehabilitation
- 2018** Fellow Academy of Science (Nigerian Academy of Science)
- 2021** Chair/Convener, Senate Ad hoc Committee on the review of promotion
guidelines for academic staff
- 2023** Chair WHO Intersectoral Global Action Plan against epilepsy and other neurological
disorders Domestication Committee IBE (Africa)
- 2024** **Academy Secretary, Academy of Medical Sciences (Nigeria)**
- 2025** **Chair, Scientific Committee, Nigeria Genomics Consortium**
- 2025** **Ekiti Future Agenda Awards (for being in the prestigious list of Africa's current top
100 scientists)**
- 2025** **Sir Ahmadu Bello Sardauna Distinguished Merit Award : in recognition of immense
contribution towards National Development, Educational Upliftment , Youth
Engagement and Service to Humanity presented by National Association of Northern
Nigerian Students (NANNS)**

B. INTERNATIONAL RECOGNITION AND AWARDS

- 2004 -2006** Awarded DAAD (German Academic Exchange Programme) research fellowship/
scholarship for deepening of knowledge in neurology in Berlin
- 2008 - now** Pioneer Regional Vice President (Sub-Sahara Africa) World Federation for
NeuroRehabilitation
- 2008 - now** Secretary, Specialist Interest Group, Clinical Pathways, World Federation for
NeuroRehabilitation (WFNR)
- 2008** American Academy of Neurology International Scholarship Award
- 2011** AU-TWAS (African Union and The World Academy of Sciences) Young Scientist
National Award Winner (Earth and Life Sciences).
- 2011** Winner of the 2011 Interacademy Medical Panel (IAMP) International
Award for Young Physician Leaders. World Health Summit, Berlin, Germany.
- 2012** American Academy of Neurology Palatucci Advocacy Leadership Award.
- 2012** First Runner up for the WCNR Early Career Development Award for the Best
Oral Presentation at the WCNR 2012 (Melbourne, Australia)
- 2012** NIH grant for Tailored Hospital-based Risk Reduction to Impede Vascular
Events after Stroke (THRIVES) THRIVES study (Co-PI)
- 2013** The NIH-funded Medical Education Partnership In Nigeria (MEPIN)-linked
Neurologic oUtcome MEasurement in Research for Intervention and Care (NUMERIC)
NIH grant. (Co-Investigator)
- 2013** NIH Center Grant for Stroke Investigative Research and Educational Network

	(SIREN) Project- Principal Investigator.
2011-2014	Reviewer for Grant Applications to the Grant Review Board, Health and Health Services Research Fund, Hong Kong.
2014	Pioneer chair of the H3Africa Cardiovascular Diseases Working Group. the largest cohort (>55,000) for cardiovascular diseases in Africa.
2014	Chair, H3Africa Cardiovascular Workshop Organizing Committee, (Stellenbosch)
2011-2016	Reviewer for Grant Applications to the Grant Review Board, Health and Health Services Research Fund, Hong Kong, China.
2015- now	Co-chair Joint Publications Committee: Global Alliance for Chronic Diseases
2015- now	Foundation Chair, Control Unique to CVDs In LMICs (COUNCIL) Initiative
2016 - now	Lead Co-Chair, WHO-Lancet Commission on stroke
2016 - now	Collaborator, Member, stroke expert panel, Global Burden of Diseases
2016 - now	Reviewer for UK-Malaysia Newton Fund Non-Communicable Diseases
2016 - now	Reviewer for Grant Applications to UK-MRC
2016-2018	Honorary member of Advisory Committee, 10th World Congress of Neurorehabilitation,
2017	Congress President, First Conference for Neurorehabilitation in East, West and Central Africa February 28 to March 2, 2017. <i>Neurorehabilitation in Africa: Adaptions and Innovations</i> .
2017	Vice President, Nigerian Federation of NeuroRehabilitation
2018	Vice-Chair: American Heart Association Scientific Statement Committee on “Stroke in people of African Ancestry”
2017- date	Reviewer, Grant applications to National Health Service (NHS), National Institute for Health Research (NIHR), UK
2017-	Lead Guest Editor ‘Behavioural Neurology’ Special issue on ‘Behavioural and Cognitive Effects of Cerebrovascular Diseases
2017	Fellow American Academy of Neurology
2017	Council Member, World Hypertension League
2017- date	Abstract reviewer: International Stroke Conference
2018	Consulting Editor, eNeurologicalSci
2018	Member of the Presidium, World Federation for NeuroRehabilitation (WFNR)
2018	Representative of the WFNR on Global Rehabilitation Alliance
2018	Director, Stroke Control Innovations Initiative Of Nigeria (SCIION)
2018	Member, Global Burden of Stroke Group, World Stroke Organization
2018	Member, Expert Review Group, Wellcome Trust, UK
2018	Fellow, American Neurological Association
2019	Fellow, Royal College of Physicians (London)

2019	Member, Movement Disorders Society
2019-2021	Regional Office Director, World Hypertension League Sub-Saharan Africa,
2020-	Nature <i>Driving Global Impact</i> Award Judging Panel member
2020-	Member, Board of Directors, World Stroke Organization
2020- 2021	Member, Publications Committee, World Federation of Neurology
2020	2020 Paul Dudley White Award for best abstract from Nigeria at the International Stroke Conference
2020	WHO Rehabilitation Programme on the development of the Package of Interventions for Rehabilitation (PIR). member of the Development Group for Parkinson's Disease.
2020-2022	STROKE Quality and Outcomes Committee of the Stroke Council for the term beginning 7/1/2020 and ending 6/30/2022.
2020	Scientific Advisory Board of the Non-Communicable Diseases - Genetic Heritage Study (NCD-GHS) Consortium
2020-2026	Member Board of Directors, the World Hypertension League
2020	Member, World Stroke Organization Guidelines committee
2020	Member, 2021 World Stroke Congress Scientific Program Committee
2020	MT Thrombectomy 2020, West African Regional Director and Board Member
2020	Member, National Institute of Health Research (NIHR), UK Global Health Research Groups Funding Committee.
2020	WHO Rehabilitation Programme on the development of the Package of Interventions for Rehabilitation (PIR). member of the Development Group for Dementia
2021	Member, College of Experts, International Society of Hypertension
2021	Member, Global Policy Committee, World Stroke Organization
2021	Top 10 Nigerian scientists among the world's top 2% scientists (Statisense Stanford University)
2021	Member, Federal Ministry of Health, Nigeria NCDI Poverty Commission
2021 -	Rapporteur/Member, World Health Organization 12-member Technical Advisory Group on Non-Communicable Diseases NCD-related research and innovation (TAG/RI)
2021	Co-Chair Research and Ethics Committee, Academy of Medical Sciences (Nigeria)
2021	Abstract reviewer: World Stroke Congress
2021	Program Committee: World Stroke Congress
2021	Abstract Reviewer: European Stroke Organization Conference
2021	2021 World Stroke Organization Global Award for Outstanding Contributions to Clinical Stroke Research.
2021	Review Panel member NCDs Addendum To The National Task Shifting/Task Sharing Policy For Essential Health Care Services In Nigeria
2021	Member, OneNeurology RoundTable to examine The Global Action Plan on epilepsy and other neurological disorders towards Building a multi-stakeholder, integrated response to neurology across the life course and within healthcare systems. Featuring: WHO,

	Member State Representatives & OneNeurology Partnership November 12th, 2021 – from 10am to 12pm CET
2021	Pioneer Co-Chair: First African Stroke Organization Conference
2021	Fellow, African Academy of Sciences
2022	IION Integrity Icon of Nigeria. Awarded by Centre for Ethics and Self-Value Orientation. While the Faculty of Clinical Sciences of which I am Dean, was ranked Number 1 out of 80 Faculties of Clinical Sciences in Nigeria assessed discretely over a 16-month period by the Centre.
2022	Vice Chair of Africa Regional Committee on the Domestication of the WHO Intersectoral Global Action Plan on Epilepsy and Neurological Disorders (IGAP)
2022	WHO Consultant to Develop the Situation Analysis of Epilepsy and Other Neurological Disorders in the African Region
2022	American Society of Human Genetics Presidential Symposium Invited Speaker
2022-2024	Governing Board Member, World Headache Society
2023	Grant Reviewer NIH Fogarty grants
2023	Curriculum review University of The Gambia
2023	Chair of Africa Regional Committee on the Domestication of the WHO Intersectoral Global Action Plan on Epilepsy and Neurological Disorders (IGAP)
2023	Grant Review expert: EU Transforming Health and Care Systems (THCS) programme
2023	Member, Executive Committee, Academy of Medical Sciences (Nigeria)
2023	Member, National Health Research Committee, Nigeria
2023	Chair, Lancet Commission on Neurorehabilitation
2023	Chair, WHO program on Pragmatic solutions to improve acute care of neurological emergencies
2023	Convener, Accelerating African Control of Hypertension through Innovative Epidemiology and a Vibrant Ecosystem (ACHIEVE) Conference, July 2023
2023	Chair, Third African Stroke Organization Conference, November 2023
2023	Chair, Fifth African Congress for Neurorehabilitation, October 2023
2023	Keynote Speaker, 9th Global Emerging Pathogens Treatment Consortium Conference on Synthetic Biology
2023	Chair of Africa Regional Committee on the Domestication of the WHO Intersectoral Global Action Plan on Epilepsy and Neurological Disorders (IGAP)
2024	Member, American Heart Association Review Committee Guidelines for the Primary Prevention of Stroke
2024	Abstract Reviewer European Organization Stroke Conference
2024	Abstract Reviewer First WHO International Conference on the PEN-Plus regional strategy to address severe NCDs in Africa (ICPPA), 23 to 25 April 2024, Dar Es Salaam, Tanzania
2024	Consultant, Nigerian Center for Disease Control, development of National Genomic Surveillance Strategy
2024	Member, selection Committee, NIHR Global Research Professorships

2024	Academy Secretary, Academy of Medical Sciences
2024	Chair, African Stroke Organization Conference, November 2024
2024	Paul Dudley White Award for best abstract from Nigeria at the 2025 International Stroke Conference
2025	Fellow, The World Academy of Sciences

Mentorship of Award winners

Through the SIREN and other projects, I mentored scholars who I nominated for/ supported for Bruce Schoenberg Awards of the American Academy of Neurology (Fred Sarfo and Rufus Akinyemi); five Paul Dudley White Awards and the 2023 Gold Medal Prize award in Life sciences of the Nigerian Academy of Science (Rufus Akinyemi); Oshuntokun Prize, African Stroke Organization (Fred Sarfo)

MEMBERSHIP OF OTHER RESEARCH AND PROFESSIONAL SOCIETIES

- Member, Nigerian Medical Association
- Fellow, National Postgraduate Medical College of Nigeria
- Member, Nigerian Hypertension Society
- Member, West African College of Physicians
- Member, Society of Neuroscientists of Africa
- Member, Society for Neuroscience
- Member, Nigerian Society of Neurological Sciences,- Secretary, Strategic planning Committee
- Member, International Brain Research Organisation
- Member, Pan-African Association of Neurological Sciences
- Member Neurology training for East Africa Working Group, school of medicine, Yale University, USA.
- Member/leader AHA, AAN Core group; guidelines for the management of hypertension in developing countries.
- Member, Medical Association, Berlin (Ärztekammer Berlin), 2005-2006.
- Member, DAAD (German Academic Exchange) Alumni Association
- European Federation of Neurological Societies (EFNS): Member of the Faculty and governing body, Regional Training Courses in Africa
- American Academy of Neurology (Corresponding Active Member), 2008.
- Member, International Prevention Research Institute (IPRI) Alumni Association
- Member, Departmental Postgraduate Committee, 2010.
- Secretary, Specialist Interest Group, Clinical Pathways, World Federation for NeuroRehabilitation (WFNR) 2006-now
- Pioneer Regional Vice President (Sub-Sahara Africa) World Federation for NeuroRehabilitation 2006-now
- WFNR Special Grant for the Establishment of the first Center for Neurorehabilitation Services, Research and Training in East, West and Central Africa, 2010.
- Member Medical and Dental Consultants Association of Nigeria (MDCAN) Research Committee, 2010-2012.

- Foundation Member: World Federation of Neurology Outcomes Research Working Group, 2012.
- Member, Global Alliance for Chronic Diseases (GACD), 2012.

PEER-REVIEWER AND EDITORIAL BOARD MEMBER FOR JOURNALS

Editorial Board Membership

2010 - date	West Indian Medical Journal
2012 - date	World Journal of Neurology
2014 - date	Journal of the Neurological Sciences (Flagship Journal of the World Federation of Neurology)
2016- date	International Journal of Stroke
2017- date	Lead Guest Editor ‘Behavioural Neurology’ Special issue on ‘Behavioural and Cognitive Effects of Cerebrovascular Diseases
2017	Lead Guest Editor: eNS Special Issue on Neurological Rehabilitation
2018	Consulting Editor, eNeurologicalSci
2018	Journal of Stroke Medicine
2018	Associate Editor, BMC Neurology IF 2.3
2021	Associate Editor, Frontiers in Epidemiology
2018-	Lead Guest Editor, Special Issue of Frontiers in Neurology: Translating innovations in stroke rehabilitation to improve recovery and quality of life across the globe
2018-	Guest Editor, Special Issue of Frontiers in Genetics: The Genetic and Environmental Basis for Diseases in Understudied Populations
2020	Neurorehabilitation
2021	Associate Editor for <i>Heliyon</i> clinical aspects of cerebrovascular conditions IF 2.9
2022	Associate Editor, Frontier in Neurology IF 4.0
	Associate Editor <i>BMC Neuroscience</i> IF 3.3
	Associate Editor <i>Frontiers in Public Health Epidemiology</i> (Neurology and Mental Health) IF 3.0
2022	Neuroepidemiology
2023	Journal of Stroke and Cerebrovascular Diseases
2023	Associate Editor, Stroke
2024	Editorial Board Member, Brain & Heart journal (ISSN 2972-4139)

Peer Reviewer

2010- date **Reviewer** for *Nature Medicine, Stroke, NeuroRehabilitation, Disability and Rehabilitation, Neuropsychiatric Diseases and Treatment, Stroke Research and Treatment, Atherosclerosis, Neurology, European Journal of Sessions. Neuroepidemiology, Clinical Neurology and Neurosurgery, Journal of the Neurological Sciences, Biomedical Central Neurology, International Journal of Stroke, Perspectives on Medical Education, Nigerian Journal of Cardiology, Nigerian Journal of Clinical Practice, Health Economics Review, African Journal of Pharmacy and Pharmacological Research, Alzheimer's & Dementia, eClinical Medicine, African Journal of Medicine and Medical Science, Nigerian Journal of Medicine, Biomedical Central, Ethnicity and Diseases, European Stroke Conference, and International Stroke Congress Abstracts (since 2017) and American Heart Association Scientific Sessions, and numerous other Lancet and Nature group of journals.*

TEACHING EXPERIENCE

A. UNDERGRADUATE TEACHING:

Teaching, examination, and mentorship of undergraduate medical (300 level to 600 level), dental and pharmacy students including delivery of didactic lectures in neurology and internal medicine, as well as bedside teachings, seminars and tutorials since employment by the University including five years at Senior lecturer level. Conduction of clinical teaching during ward rounds and in specialist clinics. Presently coordinating Medicine 1 posting with the HOD. Convener, grand rounds in the Department of Medicine.

- i. **Curriculum development, Postgraduate:** Reactivation and rejuvenation of the Master of Medicine Curriculum, approved by the Senate of the University of Ibadan (2014). Internal/External Examiner for PhD in Neurophysiotherapy, Department of Physiotherapy, University of Ibadan 2010, 2011, 2012
- ii. **Clinical Skills Laboratory:** Member of the College of Medicine committee on the Clinical skills laboratory; developed the proposal for the clinical skills laboratory in collaboration with others. This is initially for undergraduate teaching but will be useful later on for postgraduate teaching.
- iii. **Subdean Postgraduate, Faculty of Clinical Sciences (2012 to 2014):** During the period mentioned above, the faculty had 6 postgraduate diploma students, 215 Master's degree students, and 59 doctoral degree students. Several postgraduate curricular were also developed and approved at the Senate while many others from various departments are at various stages in the pipeline including eight already approved at the postgraduate school. We also re-organized the Postgraduate student records in the faculty. The pro-forma for capturing biodata, contact information and progress of postgraduate students was re-designed. A folder was opened for each postgraduate student and kept in a secure cabinet. Data from each student's file was compiled into a Masters' degree or doctoral degree Excel database. This has made it easy to track the progress of Postgraduate students in the faculty thereby facilitating timely completion of their studies.

RESEARCH

a. Current Research and Capacity Building Projects including Grants

1. **Title:** Training Africans to Lead and Execute Neurological Trials Studies (TALENTS) D43TW012030 (01 September 2021 –31 July, /2026)

Funder: NIH/NINDS

Brief Summary: The goal of the Training Africans to Lead and Execute Neurological Trials & Studies (TALENTS) program, within the Chronic, Non-Communicable Diseases & Disorders Across the Lifespan: Fogarty International Research Training D-43 initiative, is to build sustainable neurological research capacity in Africa through partnerships between US institutions, African Institutions, & the African Academy of Neurology (AFAN). We will train & inspire scholars recruited from a cross-national pool of multidisciplinary post-doctoral scholars (PhDs, or Registrar/Fellow Physicians) in Africa in the pedagogy & practice of conducting clinical neurological investigations (including multi-omics) and drug trials, which could build sustainable clinical neuroscience research on the continent, as well as the capacity for Africans to contribute to the advancement of the field of neurology. Using a Multiple PI mechanism, the program will be supported by a multidisciplinary global group with demonstrated expertise in clinical trial leadership and execution, built on an infrastructure of existing funded NIH clinical neuroscience research programs & training grants in Africa. TALENTS is based in part on social science theories, & empirical data. AFAN will freely provide member benefits & support for a rich array of career development activities at their annual meetings. TALENTS will be integrated into Mentor research projects as much as possible. Five scholars will be accepted into the program each year.

Role: Multiple Principal Investigator

Collaborators: UCSF

2. **Title:** African Rigorous Innovative Stroke Epidemiological Surveillance (ARISES) R01NS115944 01 April, 2020 to 31 March, 2025

Funder: NIH/NINDS

Brief Summary: The African Rigorous Innovative Stroke Epidemiological Surveillance (ARISES) initiative introduces a groundbreaking Stroke Information and Surveillance System (SISS) through mobile health (mHealth) technology. Its primary goal is to

accurately measure and continually track stroke burden in both urban and rural areas of Nigeria while enhancing stroke awareness, early detection, and outcomes.

ARISES leverages prior resources like stroke literacy videos, culturally-tailored dance routines, a pictographic screening tool, and specialized software for precise stroke characterization. Pilot tests involving 1,095 households demonstrated high mobile phone accessibility (99%) and community willingness (over 95%) to engage with the e-Surveillance system for reporting stroke incidents.

To ensure comprehensive data collection and precise population estimates, ARISES will conduct thorough community mappings, update demographic profiles, and utilize a unique "hot and cold pursuit" method, combining traditional and non-traditional healthcare systems for comprehensive case identification.

Furthermore, the initiative plans to integrate SISS into a sustainable care framework to improve stroke outcomes within the surveyed areas. ARISES aims to serve as a scalable model, using novel e-Surveillance, community engagement strategies, and mHealth technology to generate accurate epidemiological data on stroke burden in resource-limited settings. Its broader goal includes enhancing stroke literacy, prevention, early detection, and ultimately improving outcomes, making it a potential blueprint applicable not only in Nigeria but also in various low-resource settings globally, including low- and middle-income countries (LMICs) and the USA.

Role: PI

Collaborators: UCSF

3. **Title:** Copy number Variation and Stroke (CaNVAS) risk and outcome Study R01NS114045 01 March 2020 to 30 November 2024

Funder: NIH/NINDS

Brief Summary: The proposal aims to delve into the complex realm of ischemic stroke (IS) by exploring the uncharted territory of copy number variations (CNVs) within the genetic landscape. IS stands as a formidable cause of mortality and disability, its roots veiled in multifaceted origins. While genome-wide association studies (GWAS) have offered insights into stroke susceptibility, the role of CNVs remains largely unexplored in this context. Leveraging existing datasets encompassing over 24,500 IS cases and 43,500 controls, the research hypothesizes that analyzing CNVs could unravel novel associations shedding light on stroke mechanisms, treatment targets, and outcome predictors.

The study proposes a multi-pronged approach: first, identifying CNVs associated with IS risk across diverse demographics; second, validating these associations in diverse ethnic populations; third, elucidating how identified CNVs influence stroke risk using biomarker data; and fourth, exploring the relationship between CNV burden and stroke outcome at three months. This multifaceted investigation not only seeks to uncover genetic determinants but also establishes a platform for junior investigators, fostering a training network.

By investigating CNVs in IS, this study endeavors to unlock hidden aspects of stroke genetics, potentially revolutionizing stroke pathophysiology understanding. The discovery

of novel genes, pathways, and treatment targets holds the promise of transforming stroke prevention, treatment, and patient outcomes.

Role: Co-investigator, Site PI

Collaborators: University of Maryland Baltimore

4. **Title:** Systematic Investigation of Blacks with Stroke using Genomics (SIBS Genomics) R01NS107900 (15 September 2018 to 31 August, 2023) and X01HG013412 (13 September 2023 to 31 December, 2025)

Funder: NIH/NINDS,

Brief Summary: The prevalence of ischemic stroke, responsible for a significant portion of strokes in the USA, is influenced by intricate genetic and environmental factors, posing a challenge in comprehensively understanding its mechanisms. A considerable portion of stroke-related genetic risk remains unexplained, particularly in African and European Americans, hindering their translation into practical clinical applications. The absence of African populations in genome-wide association studies (GWAS) on stroke, despite their higher stroke heritability and potential for precise mapping, represents a critical gap in stroke genomics.

To address these limitations, the SIBS-Genomics initiative aims to identify, validate, and characterize novel genetic variants associated with ischemic stroke in people of African ancestry. Leveraging various NIH-funded projects in the US and Africa, such as REGARDS, SiGN, COMPASS, and others, SIBS-Genomics intends to significantly advance global efforts in discovering new genetic loci related to ischemic stroke. Key strategies include employing meticulously phenotype subjects with robust datasets, utilizing advanced genomics technology tailored for African ancestry, exploring a population with higher stroke heritability, and conducting comprehensive validation and functional assessments of previously identified variants.

This multi-stage approach involves collaboration among leading global experts to validate known variants in continental Africans, discover new variants in this population, validate in African Americans (the majority having West African ancestry), and conduct trans-ancestry analyses involving diverse American ancestries. The study's outcomes are expected to unveil insights into stroke's molecular mechanisms, leading to the development of targeted biomarkers for prediction, diagnosis, and prognosis, as well as interventions for stroke prevention and treatment. Importantly, this transomics study holds promise for significantly reducing the burden of stroke, especially among African Americans who currently face a disproportionately high incidence.

Role: PI

5. **Title:** Sub-Saharan Africa Conference on Stroke (SSACS) Conference **1R13NS115395-01A1** 15 July 2020 to 31 December 2024

Funder: NIH/NINDS

Brief Summary: The Sub-Saharan Africa Conference on Stroke (SSACS) 2020 is the inaugural cross-national scientific gathering focused on cerebrovascular disease in Sub-Saharan Africa (SSA). Set against the backdrop of rising stroke prevalence due to increased

risk factors and limited healthcare infrastructure, SSACS aims to bridge critical gaps in stroke research and cultivate a collaborative platform for stakeholders. Scheduled for a one-day symposium in Bahir Dar, Ethiopia, SSACS will feature keynote talks, symposia, poster sessions, and community engagements.

The conference seeks to bring together experts and early career scientists, emphasizing the latter's involvement to foster future advancements in stroke research within SSA. To achieve this, SSACS plans to grant 20 Young Investigator Travel Awards, nurturing a network of committed researchers dedicated to stroke study in the region.

SSACS' specific objectives include identifying research gaps, facilitating interdisciplinary discussions on stroke epidemiology, fostering collaborations among stakeholders, and disseminating acquired knowledge through scientific and public avenues. The conference's success will be gauged by attendee numbers and the achievements of Young Investigator Awardees, aiming to evaluate its impact and effectiveness in advancing stroke research within SSA. Collaborating with esteemed global organizations like the World Stroke Organization and World Federation of Neurology, SSACS aims to leverage their expertise, resources, and experience to maximize the conference's impact on stroke research in the region.

Role: Co-Chair

6. **Title:** Growing Data-science Research in Africa to Stimulate Progress (GRASP) UE5HL172183 18 September 2023 to 31 July, 2026

Funder: NIH

Brief Summary: GRASP (Growing Data-science Research in Africa to Stimulate Progress) aims to confront the rising challenge of non-communicable diseases (NCDs), particularly neurological disorders, in Africa by bolstering sustainable research capabilities. Existing programs lack a specific focus on brain health, critical in achieving overall health goals. This initiative endeavours to enhance the data science expertise of selected African scholars to unravel the sociodemographic, dietary, and lifestyle determinants impacting brain health and cardiovascular risk.

The program intends to develop a cohort of researchers adept in data science methodologies, leveraging extensive datasets from SIREN, ARISES, CHAIR, H3Africa, DS-I Africa consortia, and other relevant resources. Five scholars annually will engage in mentored research projects for three years, integrating diverse data sets encompassing sociodemographic, cognitive, neuroimaging, genomic, climate, and geographical information. Their training includes a comprehensive nine-month Postgraduate Certificate program involving online modules and a residency at the University of Ibadan in Nigeria. GRASP emphasizes skill enhancement in translational data science research with a specific focus on brain health, aiming to identify sociodemographic determinants and patterns across various datasets. The scholars will benefit from mentorship provided by elite mentors, ensuring robust guidance throughout their training. Monitoring the program's success involves assessing the scholars' academic progress, publications, and their ability to secure funding for research projects or career development.

Through GRASP, the initiative envisions cultivating a cadre of skilled researchers capable of addressing the complexities of brain health in African populations, paving the way for tailored interventions and strategies to combat NCDs.

Role: PI

Collaborators:

7. **Title:** Recruitment and Retention for Alzheimer's Disease Diversity Genetic Cohorts in the ADSP (READD – ADSP) study **U19AG074865** 1st July 2022 to 30th June 2027

Funder: NIH.

Brief Summary: The John P. Hussman Institute for Human Genomics (HIHG) at the University of Miami, along with partner institutions, has launched a pioneering five-year initiative funded by a \$46 million grant from the National Institute on Aging. This international effort aims to revolutionize Alzheimer's disease research by expanding genetic studies into African ancestry populations and Hispanic/Latinx groups, historically underrepresented in such studies.

Led by Dr. Margaret A. Pericak-Vance and a team of co-Principal Investigators across various sites, including Case Western Reserve University, Columbia University, Wake Forest University, the University of Pennsylvania, and the University of Ibadan, the initiative seeks to rectify the lack of diversity in Alzheimer's genetic studies. The primary goal is to establish a comprehensive genetic data resource by recruiting and analyzing a diverse cohort of 5,000 individuals from African countries, 4,000 African Americans, and 4,000 Hispanic/Latinx individuals. This extensive gathering of clinical, phenotypic, genetic, and social determinant data aims to deepen the understanding of Alzheimer's across diverse populations.

The African Dementia Consortium (AfDC) will oversee recruitment in Africa, involving researchers from nine African nations. This collaboration seeks to enhance the characterization of dementia, particularly Alzheimer's, within the African context. By exploring genetic factors influencing Alzheimer's among diverse ancestral backgrounds, the initiative aims to develop more targeted and universally beneficial treatment strategies. Additionally, the study will investigate the interplay between ancestry and social determinants of health in Alzheimer's risk and age of onset. Through this initiative's collaborative efforts and individual participation, it aims to bridge research gaps, tackle disparities, and pave the way for more effective Alzheimer's treatments and prevention strategies.

Role: Co-Investigator

8. **Title:** Consortium for Advancement of MRI Education and Research in Africa (CAMERA)

Funder: Silicon Valley Community Foundation (SVCF)

Brief Summary: The Consortium for Advancement of MRI Education and Research in Africa (CAMERA) aims to revolutionize healthcare in Africa by addressing the critical deficit in MRI technology and expertise. Despite facing a considerable burden of non-communicable diseases, African countries encounter limited access to MRI technology and a shortage of skilled personnel proficient in MRI operations.

CAMERA represents a collaborative effort between African MRI experts and global partners, striving to establish a sustainable MRI training and mentorship program across African nations. The initiative's core objectives include training 12 emerging MRI scientists and technologists sourced from Nigeria, Ghana, Uganda, Kenya, and Mozambique. Additionally, it aims to set up an African Chapter of the International Society of Magnetic Resonance in Medicine (ISMRM) to amplify African contributions to global MRI advancements.

To ensure talent retention, CAMERA plans to cultivate a robust mentorship program for early-career MRI scientists, fostering collaborative projects and encouraging their continued presence and impact within the region. An online MRI resource platform will be developed, serving as a repository for virtual education sessions, housing tools for image processing, analysis, and sequence development.

Furthermore, CAMERA will facilitate hands-on training courses for MRI engineers within African countries. These courses intend to equip local engineers with the necessary expertise to sustain and maintain MRI technology, promoting self-sufficiency in MRI operations within the region.

By expanding access to MRI technology, empowering local expertise, and fostering a collaborative and sustainable environment, CAMERA endeavors to significantly enhance healthcare delivery and research capabilities across Africa.

Role: Co-Investigator

9. **Title:** The Origins of Alzheimer Disease in African Americans 15 September 2022 to 30th June 2027

Funder: NIH.

Brief Summary: The goal of this proposal is to advance our understanding of the genetic etiology of Alzheimer disease (AD) risk in understudied and underserved populations. AD is the leading cause of dementia in the elderly and occurs in all ethnic and racial groups, but most genetic studies for AD have been performed in non-Hispanic Whites (NHW) of European ancestry. This is problematic, as much smaller studies in African Americans (AA), who have a higher prevalence of AD compared to NHW, have already revealed differences in risk effect sizes in known loci (e.g., APOE; ABCA7), indicating multiple unique patterns of risk. Genetic ancestry (including variability in allele risk frequencies and population specific variants modifying known and novel risk loci), in addition to environmental/cultural factors and their interactions with genetic risk, likely underlies part of this heterogeneity. With only a small number of the whole genome sequences in the Alzheimer's Disease Sequencing Project (ADSP) coming from AA, increased sample sizes and multiple study designs are needed to elucidate risk in diverse ancestral populations. Family studies provide a powerful complementary design to case- control studies that can enhance risk prediction and the detection of novel rare risk variants. Filling these critical gaps using genetic tools will enhance our understanding of AD risk and provide the basis for identifying prevention strategies and druggable targets. Including ancestral populations from Africa in particular a unique cohort of multiplex African AD families enables dissecting risk not only in African populations but also among all populations with AF

ancestry. Our efforts will allow for improved disease prediction, prevention, diagnosis, and treatment through precision medicine, in AA, African, and other African admixed populations.

Role: Co-Investigator

b. Completed Research and Grants

1. **Title:** Stroke Investigative Research & Educational Network (SIREN) U54HG007479 (20 July 2013 to 31 July, 2019)

Funder: NIH/NINDS, NHGRI

Brief Summary: The Stroke Investigative Research and Education Network (SIREN) aims to address the intricate nature of stroke by establishing a multidisciplinary collaborative network between Sub-Saharan Africa (SSA) and the United States. Stroke, though a distinct medical condition, stems from complex genetic and environmental factors, posing a challenge in analyzing its underlying mechanisms. Particularly in SSA, understanding the unique risk factors for stroke remains limited, hindered by a lack of expertise, infrastructure, and experience in genomics and environmental research.

SIREN's primary goal is to comprehensively investigate the genetic and environmental contributors to stroke among individuals of African ancestry. By establishing three core projects - SIBS-Phenomics, SIBS-Genomics, and SIBS-Bioinformatics - across eight sites in Nigeria, Ghana, and South Africa, SIREN intends to unravel the specific factors influencing stroke in SSA. This initiative involves comparing findings with African American stroke survivors to discern similarities and differences.

Furthermore, SIREN aims to build sustainable capacities in phenomics, biobanking, genomics, biostatistics, and bioinformatics, crucial for future high-level investigations into stroke and other vascular diseases in SSA. Leveraging prior collaborations and ongoing studies in SSA, as well as drawing expertise from successful stroke reduction strategies in the United States, SIREN seeks guidance from established content experts. This collaboration aims to identify stroke risk factors and implement corresponding preventive strategies tailored for SSA, similar to successful strategies employed in the United States. Ultimately, SIREN's efforts aim to fill the knowledge gaps surrounding stroke risk factors in SSA while establishing a foundation for comprehensive stroke research in the region.

Role: Overall Principal Investigator

2. **Title:** African Neurobiobank for Precision Stroke Medicine (ELSI): U01HG010273 21 September 2018 to 30 June, 2023

Funder: NIH

Brief Summary: The African Neurobiobank for Precision Stroke Medicine - Ethical, Legal, and Social Implications (ELSI) Project aims to address the critical gaps and uncertainties surrounding stroke biobanking in Sub-Saharan Africa (SSA). Despite the growing biobanking initiatives through the Human, Heredity and Health in Africa (H3Africa) initiative, Africa has been historically underrepresented in this realm.

Stroke incidence rates in SSA are rising, with poorer outcomes and affecting a relatively younger population compared to other ethnicities. To advance precision medicine for stroke in this region, it's crucial to understand the intricate interplay between environmental and genomic risk factors. However, the ethical, legal, and social implications (ELSI) of developing neurobiobanks in an African context remain unclear. This includes addressing unique cultural, linguistic, and belief systems within a global research community that values openness and sharing of biological materials.

The project's primary goal is to identify and tackle the ELSI challenges of stroke biobanking in SSA. Adopting a community-based participatory mixed methods research (CBPR) approach, the project will engage multiple levels of the social ecological model. It aims to develop culturally appropriate interventions and tools to enhance community understanding and participation in stroke biobanking activities. The ultimate objective is to foster enduring trust and fair utilization of biobanking resources for genetic and trans-omics research related to stroke and other neurological disorders.

Role: Co-Investigator

3. **Title:** SIBS Genomics Genetics Counselling Study (SIBS-Gen-Gen) 3R01NS107900-02S1 01 September 2018 to 31 August 2022

Funder: NIH/NINDS

Brief Summary: The SIBS Genomics-Genetic Counselling (SIBS-Gen-Gen) project aims to integrate implementation science into stroke research among individuals of African ancestry. Stroke is a significant cause of disability and mortality, particularly prevalent among people of African descent. While some genetic variants linked to ischemic stroke have been identified in other populations, there's a notable absence of findings among indigenous Africans (IA). The SIBS Genomics study seeks to fill this gap through the first genome-wide association study focused on genetic determinants of stroke among indigenous Africans.

However, before integrating these emerging genetic determinants into clinical practice, validation is essential. This ancillary study, conducted in response to NOT-TW-19-003, will explore the perceptions, preferences, and attitudes of stroke-free individuals regarding the disclosure of genetic test results for stroke. This research aims to understand the implications of disclosing genetic findings related to stroke among individuals and their families, healthcare providers, and the wider community within the socio-ecological model.

The project, SIBS-Gen-Gen, plans to engage stroke-free individuals, their families, healthcare providers, and the community to gauge their understanding and receptivity towards genetic testing disclosure. Additionally, a workshop on genetic counselling will be conducted to equip relevant personnel with the skills necessary for handling genetic test results effectively.

This study intends to generate pilot data for designing a randomized controlled trial focused on the disclosure of stroke genetic test results. Ultimately, the project aims to prepare for the implementation of genetic findings from SIBS Genomics into clinical and community

settings by understanding the perceptions and attitudes of the target population towards genetic testing disclosure for stroke.

Role: PI

4. **Title:** Future Leaders – African Independent Research (FLAIR) Fellowship: African Innovative Genetics of Vascular Cognitive Impairment Study

Funder: African Academy of Sciences, the Royal Society and Global Challenges Research Fund (GCRF). Amount £391,000

Role: Mentor

5. **Title:** Tailored Hospital-based Risk Reduction to Impede Vascular Events after Stroke (THRIVES) U01NS079179. 2012 to 2018

Funder: NIH/NINDS

Brief Summary: The World Health Organization (WHO) underscores the critical impact of stroke in low- and middle-income countries (LMICs), with nearly 86% of stroke-related deaths occurring in these regions, particularly in Africa. As infectious diseases decrease, the burden of stroke is anticipated to significantly rise in LMICs, posing a severe challenge. Hypertension, a leading modifiable risk factor for stroke, is becoming increasingly prevalent in Africa, affecting approximately 37% of Nigeria's population, accentuating the urgency for effective healthcare programs.

Recognizing this urgent need, a tailored chronic care model intervention named Tailored Hospital-based Risk Reduction to Impede Vascular Events after Stroke (THRIVES) is proposed to enhance secondary stroke prevention in Nigeria. THRIVES is designed to address local needs and cultural contexts, aiming to mitigate the dire consequences of stroke through improved management of high blood pressure.

The intervention will begin by gathering insights from stroke patients, caregivers, healthcare providers, and hospital administrators to identify barriers and facilitators to adherence to evidence-based secondary stroke prevention treatments in Nigeria. This data will refine the THRIVES intervention, incorporating tools like stroke patient report cards, provider-initiated text messaging, and in-clinic educational videos.

Subsequently, a randomized controlled trial involving 334 recently discharged stroke patients from four medical facilities in Southwestern Nigeria will assess the efficacy of THRIVES. The primary outcome will focus on systolic blood pressure reduction after 12 months, while a secondary aim involves conducting a cost analysis of THRIVES from the local government's perspective in Nigeria. This cost analysis aims to present valuable data to Nigerian decision-makers, aiding them in understanding the benefits and implications of supporting THRIVES beyond the research period.

Role: Co-PI

6. **Title:** GCRF-Africa-UK Collaboration for the genetic Epidemiology of Stroke (ACES).

Funder: GCRF

Brief Summary: Academy of Medical Sciences Global Challenges Research Fund Networking Grant Scheme

Role: PI

7. **Title:** Carotid Doppler ultrasound study in stroke patients to determine the pattern and associations of carotid atherosclerosis in stroke patients.
Funder: 2008 Mac Arthur Foundation Research Grant.
Role: PI
8. **Title:** Improving neurologic outcome measurement for interventional research in Ibadan. Neurologic outcome Measurement in Research for Intervention and Care (NUMERIC) R25NS080949
Funder: Awarding Body: MEPI-linked R25 grant from NIH
Role: Co-Investigator.
Collaborators:
9. **Title:** Ibadan Brain Bank. Ibadan (Dementia, Ageing and Neurodegeneration) Brain Bank [IBADAN Brain Bank] (College Research and Innovation Management Unit CRIM Grant
Funder: College Research and Innovation Management Unit CRIM Grant
Brief Summary:
Role: Co-Investigator.
10. **Title:** Enhancing Capacity for Stroke Recognition, Documentation, Care and Prevention in Nigeria
Funder: World Federation for Neurology/ World Stroke Organisation
Role: Co-Investigator.
11. **Title:** Stroke information and Surveillance System
Funder: Center for Global Health Pilot Grant
Role: PI
Collaborators: Medical University of South Carolina, USA
12. **Title:** H3Africa CVD Supplement - green leafy vegetables and cardiovascular diseases
Funder: NIH
Role: PI
Collaborators:
13. **Title:** Pilot grant on Stroke inflammatory protein biomarkers.
Funder: University of Glasgow,
Collaborators: University of Glasgow, UK/University of Ibadan, Nigeria

MENTORSHIP AND POSTGRADUATE SUPERVISION

CURRENT STUDENTS

1. Assessment of Genetic Polymorphism and Association with Type 2 Diabetes among Stroke Patients in The SIREN Project Callistus Akinleye **PhD Thesis** From 2019. Matric number 129629
2. Water and Land-Based Therapeutic Exercise on Selected Cognitive Function, Cardiorespiratory fitness and Gait Performance of Ischemic Stroke Patients in Ibadan, Oyo State, Nigeria. Abiodun Emman BAMIGBOYE (**PhD Thesis**) Matric number 125013. From November 2021
3. A Double Blinded Randomised Dietary Control Trial to Improve Cognitive Function In Adult Hypertensives, Oluyinka Bamidele ABORISADE. **PhD Thesis**
4. The Association Between Selected Molecular Biomarkers and Ambulatory Blood Pressure Patterns in African Chronic Kidney Disease and Hypertensive Patients Compared With Normotensive Controls. Adeoye Abiodun Moshood. **MD Thesis**
5. Stroke Risk-Burden Intervention and Quality of Life of Caregivers in Selected Health Institutions in Southwest Nigeria. Margaret Omobonike Ogundeji Matriculation number: 21163. **PhD Thesis**
6. Cardiovascular Risk Factors in an urban slum in Aba, Nigeria. Ijezie Chukwuonye **MD Thesis**

PREVIOUS STUDENTS

Doctoral Level

7. A Comparative Study of the Distribution, Risk Factors, Health Service Utilization, and Outcomes of Stroke Between West Africans and African Americans Ezinne Sylvia Melikam. **PhD Thesis** Clemson University, USA. From 2023
8. Predictors of Delayed Neuroimaging in Acute Stroke (**MD Thesis**) From Year 2014 Godwin Ogbole
9. Determinants of Morbidity and Mortality in elderly patients on admission in UCH. ADEBUSOYE Lawrence. Matric number 49028. (**MD Thesis**) 2011.
10. Development and Psychometric Testing of Ibadan Stroke Specific pain scale. Oladunni Caroline OSUNDIYA. **PhD Thesis** Neurophysiotherapy. Matric Number 125722
11. Efficacy of Cognitive rehabilitation therapy on post-stroke depression among first ever stroke survivors in Ibadan. Olugbemi OLUKOLADE. **PhD Thesis** Matric No: 136605

12. A 12-month longitudinal study of interrelationships among motor function, activity, participation and health-related quality of life after stroke (**PhD Thesis**). Grace PETERS (Matric Number: 86534) .2010.
13. Development and validation of a primary health care physiotherapy protocol for stroke rehabilitation (**PhD Thesis**) Olubukola A. OLALEYE (Matric number: 69806). 2009.
14. A Study of Stroke in Southern Ghana: Epidemiology, Quality of Life and Community Perceptions. (**PhD Thesis**). Eric SAMPANE-DONKOR , University of Iceland, Iceland. 2010.
15. An Assessment of Phonological Deficits in Yoruba-English Bilingual Aphasia (**PhD Thesis**) Folorunsho E. Awoniyi. 2023
16. Predictors of weight reduction among Nigerian patients with obesity. Adetola M. Ogunbode (**MD Thesis**, Department of Medicine) From 2011 till 2021 Awarded. Matric Number 54486.

POST-DOCTORAL FELLOW

17. Onoja Matthew Akpa. H3Africa Cardiovascular Diseases Working Group. Harmonization of tools and phenotypes for the genetic epidemiology of cardiovascular diseases in Africa involving > 55,000 research subjects. (2016 to 2018)
18. Akinkumi OKEKUNLE. H3Africa Cardiovascular Diseases Working Group. Harmonization of tools and phenotypes for the genetic epidemiology of cardiovascular diseases in Africa involving > 55,000 research subjects. (2016 till date)

Professional Fellowships supervised/co-supervised

1. Health-related quality of life in adults with Parkinson's Disease in Nigeria (Part II FWACP Fellowship **Dissertation**): Dr Olaitan OKUNOYE. 2010.
2. Assessment of Neurocognitive function in patients with chronic kidney disease stages 3 to 5 at the UCH Ibadan (Part II FMCP Fellowship **Dissertation**): Dr Uduak E. WILLIAMS. 2009.
3. Factors militating against clinic attendance in epileptic patients in Ibadan (Part II FWACP Fellowship **Dissertation**): Dr Emmanuel O. EZUNU. 2010.

4. The outcome of stroke in Jos University Teaching Hospital (Part II FMCP Fellowship **Dissertation**): Dr Bertha C. EKEH. 2007.
5. Frequency and effect of dysphagia on 30-day outcome in acute stroke patients at the University College Hospital, Ibadan. Part II FMCP Fellowship **Dissertation** Dr. Bode OLAJIDE, 2013.
6. Frequency, associated risk factors and pattern of cognitive dysfunction in stroke survivors at three months: a case – control study Dr Funmilola TAIWO **Dissertation**: FMCP2014
7. The Relationship between Sickle Cell Trait, Stroke Severity and 30- Day Stroke Outcome. Part II FWACP Dissertation, Dr Paul OLOWOYO: 2015
8. Post-stroke Infections (Urinary Tract Infection and Pneumonia) and their Association With Short-Term Stroke Outcomes Dr Tomiwa MAKANJUOLA Part II **Dissertation**: WACP April 2019
9. Calibration of Clinical History Concerning Seizure Semiology in a Neurology Clinic in Nigeria: National Postgraduate Medical College of Nigeria: Dr Joseph YARIA (Part II FMCP **Dissertation**) May 2019.
10. Sleep disorders and their effects on quality of life in Parkinson's disease patients in Ibadan. Part II WACP **Dissertation** Dr Richard OGUNTOYE October 2020.
11. Post-stroke pain: the frequency, profile, determinants, and association with quality of life in stroke survivors seen at UCH Ibadan. WACP Fellowship Dr Ayotunde BISI **Dissertation**, October 2020
12. Hearing Loss in the Elderly with Dementia at University College Hospital Ibadan. Dr Samuel Okoh SULE. (FWACS **Dissertation**). April 2021

PUBLICATIONS

PATENT:

1. **Owolabi M.**, Salaam K., Ogunniyi A., Ogbole G., Akinyemi R., Mongkolwat P., Omisore A., Agunloye A., Makanjuola A., et al, SIREN; AIM on Clear Canvas Enriched Stroke phenotyping Software (ACCESS). 2016. **Patent Registration Number: NG/PT/NC/2016/2007 Online Application ID: OAI/PT/201608241411499-236786-264476**

ARTICLES THAT HAVE ALREADY APPEARED IN REFEREED CONFERENCE PROCEEDINGS

2. **Owolabi, M.O.** (2010). HRQOLISP is more valid than SF-36. *Medimond International Proceedings: Proceedings of the 6th World Congress of Neurorehabilitation*. Vienna, Austria, March 21 to 25, 2010. Editors: Homberg, V., Binder, H. ISBN:978-88-7587-556-5. pages 177-181.

FULL JOURNAL PUBLICATIONS

3. Talabi, O.A., **Owolabi, M.O.**, and Osotimehin, B.O. (2003): Autoimmune diseases in a Nigerian woman – a case report. *West African Journal of Medicine*, 22 (4):361-363.
4. **Owolabi, M.O.**, and Ogunniyi, A. (2004): Gelineau Syndrome: Literature Review and Management of a Nigerian Teenager. *African Journal of Neurological Sciences*, 23:51-57.
5. **Owolabi, M.O.** (2004). The scientific model of man: Unity, Duality or United Duality. Rapid response in: Blanke, O. Out of body experiences and their neural basis. *British Medical Journal*, 329:1414-1415.
6. **Owolabi, M.O.**, and Otegbayo, J.A. (2005): Gastroesophageal Reflux Disease: An Overview. *Postgraduate Doctor Caribbean*, 21:49-54. -+--
7. Otegbayo, J.A., Talabi, O.A., Akere, A., **Owolabi, M.O.**, Owolabi, L.F., and Oguntoye, O.O. (2006): Gastrointestinal complications in stroke survivors. *Tropical Gastroenterology*, 27(3):127-130.
8. **Owolabi, M.O.**, Okechukwu, S.O., and Ogunniyi, A. (2007): Episodic vertigo resulting from vascular risk factors, cervical spondylosis and head rotation: two case reports. *Neuropsychiatric Disease and Treatment*, 3(5):675–678.
9. **Owolabi, M.O.**, Bower, J.H., and Ogunniyi, A. (2007): Mapping Africa's way into prominence in the field of neurology. *Archives of Neurology*, 64(12):1696-1700.
10. Ugoya, S.O., Ugoya, T.A., Puepet, F.H., **Owolabi, M.O.**, Echejoh G.O., and Ogunniyi, A. (2008): The association between body mass index and diabetic peripheral neuropathy. *Hungarian Medical Journal*, 2(1):63- 68.
11. **Owolabi, M.O.**, Platz, T. (2008): Proposing the stroke levity scale: a valid, reliable, simple and time-saving measure of stroke severity. *European Journal of Neurology*, 15(6):627-633.
12. Akinyemi, R.O., Okubadejo, N., Akinyemi, J.O., **Owolabi, M.O.**, Owolabi, L.F., Ogunniyi, A. (2008): Cognitive dysfunction in Nigerians with Parkinson's disease. *Movement Disorders*, 23(10):1378-1383.

13. **Owolabi, M.O.** (2008): Determinants of health-related quality of life in Nigerian stroke survivors. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, 102 (12):1219-1225.
14. **Owolabi, M.O.** (2008): Episodic vertigo resulting from head rotation, in the presence of vascular risk factors and cervical spondylosis: an intriguing quartet? *African Journal of Neurological Sciences*, 27(1):1-8.
15. **Owolabi, M.O.** (2008): Health-related quality of life (HRQOL) measures. There are still many unanswered questions about human life. *The Scientific World Journal: (TSW) Holistic Health and Medicine*, 8:357–363.
16. **Owolabi, M.O.,** Ugoya S., Platz, T. (2009): Racial disparity in stroke risk factors: The Berlin-Ibadan experience – a retrospective study. *Acta Neurologica Scandinavica*, 119 (2):81-87.
17. **Owolabi, M.O.,** Ogunniyi, A. (2009): Profile of health-related quality of life in Nigerian stroke survivors. *European Journal of Neurology*, 16:54-62.
18. **Owolabi, M.O.,** Ogbole, G.I., Lagunju, I. (2008): Conservative management of Rasmussen’s encephalitis in a Nigerian girl. *Journal of Pediatric Neurology*, 6:389-394.
19. **Owolabi, M.O.** (2009): Health-related quality of life and the seed of life model. *Journal of Alternative Medicine Research*, 1 (4):375-382.
20. **Owolabi, M.O.** (2009): Comparative analysis of the seed of life model and the classical ancient philosophies: Understanding the purpose of life. *Journal of Alternative Medicine Research*, 1 (4):383-390.
21. **Owolabi, M.O.** (2009): Application of the seed of life model: concept of quality of life and the disability paradox. *Journal of Alternative Medicine Research*, 1(4):401-408.
22. **Owolabi, M.O.** (2009): Comparative analysis of the seed of life model: Examining the mind-brain puzzle and programming. *Journal of Alternative Medicine Research*, 1(4):391-400.
23. Akinyemi, R., **Owolabi, M.O.,** Makanjuola, V.A., Ogunsehinde, A.O., Ogunniyi, A. (2009): Frontotemporal dementia in a Nigerian woman: case report and brief review of the literature. *African Journal of Medicine and the Medical Sciences*, 38 (1):71-75.
24. **Owolabi, M.O.** (2010): Optimization of blood pressure in stroke patients. *Tropical Journal of Nephrology*, 5 (2):87-96.
25. **Owolabi, M.O.,** Ipadeola, A., Adeleye, J.O. (2010): Aggregate cardiovascular risk is a stronger statistical correlate of clinically evident diabetic peripheral neuropathy than HbA1c alone. *Journal of the National Medical Association*, 108 (2):707-712.

26. **Owolabi, M.O.** (2010): Which is more valid for stroke patients: generic or stroke-specific quality of life measures? *Neuroepidemiology*, 34 (1):8-12. (DOI: 10.1159/000255460).
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Over 450 publications in ResearchGate, PubMed, and Google Scholar.

https://www.researchgate.net/profile/Mayowa_Owolabi/3

<https://www.ncbi.nlm.nih.gov/sites/myncbi/mayowa.owolabi.1/bibliography/46357736/public/?sort=date&direction=ascending>.

<https://scholar.google.com/citations?user=76K2iYgAAAAJ&hl=en>

- Scopus Web of Science h-index: 86; ORCID <https://orcid.org/0000-0003-1146-3070>
- Research Gate, h-index 93, >542 Research items, , >124,000 citations;
https://www.researchgate.net/profile/Mayowa_Owolabi/3
- Google Scholar h-index: 102, Citations: > 171,000

TWELVE BEST PUBLICATIONS

1. **Owolabi, M.O.** (2010): What are the consistent predictors of generic and specific post-stroke health-related quality of life? *Cerebrovascular Diseases*, 29 (2)105-110 DOI: 10.1159/000262305.

He developed the first holistic psychometrically robust health-related quality of life in stroke patients questionnaire, HRQOLISP, a quality of life measure, based on the Seed of Life Model, now in use across the world including Nigeria, Ghana, Spain, Jamaica, and Germany <https://pubmed.ncbi.nlm.nih.gov/23949061/>. He used this to unravel the profile and determinants of quality of life in stroke survivors across multiple cultures and to develop the stroke recovery cycle.

2. **Owolabi, M.O.** (2011). Impact of stroke on health-related quality of life in diverse cultures: The Berlin-Ibadan multicenter international study. *Health and Quality of Life Outcomes*, 9 (81):1-11. DOI:10.1186/1477-7525-9-81.

He demonstrated that domains within the spiritual sphere were considered more important by stroke patients. In both countries, consistently, stroke severity correlated significantly with all domains in the physical sphere unlike the spiritual sphere. In diverse cultures, the correlation coefficients between health-related quality of life and all indices of stroke severity revealed a decremental trend from the physical domain ($\rho = 0.77$, $p < 0.00001$) to the spiritual domain ($\rho = 0.01$, $p = 0.893$). The spiritual sphere could be leveraged to foster internal adaptation and coping strategies to boost functional ability and quality of life.

3. **Owolabi M., Salaam K., Ogunniyi A., Ogbole G., Akinyemi R., Mongkolwat P., Omisore A., Agunloye A., Makanjuola A., et al, SIREN; AIM on Clear Canvas Enriched Stroke phenotyping Software (ACCESS).** 2016. **Patent Registration Number: NG/PT/NC/2016/2007** Online Application ID : OAI/PT/201608241411499-236786-264476

He led his team to invent and validate the ACCESS application in the Stroke Investigative Research and Educational Network (SIREN) study. It is the first tool for phenotyping both ischemic and hemorrhagic strokes. The ACCESS application facilitates concordant and reproducible classification of all stroke subtypes by multiple investigators, making it suitable for clinical use and deployment in multicenter studies

4. **Owolabi, M., Sarfo, F., Akinyemi, R., Gebregziabher, M., Akpa, O., Akpalu, A., Wahab, K., Obiako, R., Owolabi, L., & Ovbiagele, B.** (2018). Dominant modifiable risk factors for

stroke in Ghana and Nigeria (SIREN): a case-control study. *The Lancet Global Health*, 6(4), e436-e446. doi: 10.1016/S2214-109X(18)30002-0

As the overall principal investigator of the Stroke Investigative Research and Educational Network (SIREN) study, the largest study of stroke in Africa, he led the unravelling of the dominant modifiable risk factors of stroke in Africa including hypertension, dyslipidemia, regular meat intake, elevated waist-to-hip ratio, & diabetes mellitus (in descending order of population attributable risk). He led his team to, for the first time, establish a dose-responsive protective effect of vegetable consumption against all types of stroke and severe stroke. Based on these findings, he led the development of an educational video on stroke prevention and the first Afrocentric stroke riskometer app, a robust validated model for calculating current stroke risk in Africans. Combination of the stroke riskometer app & educational video significantly reduced the total stroke risk score in the intervention group. <https://pubmed.ncbi.nlm.nih.gov/37139815/>

He co-led the establishment of the African Stroke Organization to reduce the burden of stroke in Africa through translation of our findings working with policy makers. <https://pubmed.ncbi.nlm.nih.gov/32026763/>

5. Sarfo, F., Ovbiagele, B., Gebregziabher, M., Wahab, K., Akinyemi, R., Akpalu, A., Akpa, O., Obiako, R., Owolabi, L., Jenkins, C., & **Owolabi, M.** (2018). Stroke among young West Africans: Evidence from the SIREN large multi-site case-control study. *Stroke*, 49(5), 1116-1122. doi: 10.1161/STROKEAHA.118.020783

He led the SIREN team to characterize stroke in young Africans <50 years old. Hemorrhagic stroke proportion was 270 (52.5%) versus 245 (47.5%) for ischemic strokes. Etiologic subtypes of ischemic strokes included large artery atherosclerosis (40.0%), small vessel disease (28.6%), cardioembolism (11.0%), and undetermined (20.4%). Hypertension (91.7%), structural lesions (3.4%), and others (4.9%) were causally associated with hemorrhagic stroke. Six topmost modifiable factors associated with stroke in descending order of population attributable risk (95% confidence interval) were hypertension: 88.7% (82.5%–94.8%), dyslipidemia: 48.2% (30.6%–65.9%), diabetes mellitus: 22.6% (18.7%–26.5%), low green vegetable consumption: 18.2% (–6.8%–43.2%), stress: 14.5% (4.9%–24.1%), and cardiac disease: 8.4% (5.8%–11.1%).

The high and rising burden of stroke among young Africans should be curtailed via aggressive, population-wide vascular risk factor control.

6. Akpa, O. M., Made, F., Ojo, A., Ovbiagele, B., Adu, D., Motala, A. A., Mayosi, B. M., Adebamowo, S. N., Engel, M. E., Tayo, B., Rotimi, C., Salako, B., Akinyemi, R., Gebregziabher, M., Sarfo, F., Wahab, K., Agongo, G., Alberts, M., Ali, S. A., Asiki, G., Boua, R. P., Gómez-Olivé, F. X., Mashinya, F., Micklesfield, L., Mohamed, S. F., Nonterah, E. A., Norris, S. A., Sorgho, H., Tollman, S., Parekh, R. S., Chishala, C., Ekuro, K., Waddy, S. P., Peprah, E., Mensah, G. A., Wiley, K., Troyer, J., Ramsay, M., **Owolabi, M. O. (Senior Author)**, as members of the CVD Working Group of the H3Africa Consortium.

(2020). Regional patterns and association between obesity and hypertension in Africa: Evidence from the H3Africa CHAIR Study. *Hypertension*, 75(5), 1167-1178. doi:10.1161/HYPERTENSIONAHA.119.14147.

*He is the **pioneer chair** of the largest consortium [(cardiovascular H3Africa Innovative Resource (CHAIR)) investigating cardiovascular diseases in Africa across 12 African countries.]. He led the team to unravel the dominant risk factors for hypertension and obesity in Africa (including diet for hypertension and obesity as a factor which doubles the risk of hypertension in Africa).*

To tackle the burden of hypertension, the leading preventable cause of death in Africans, he led the establishment of the accelerating African Control of Hypertension through Innovative Epidemiology, and a Vibrant Ecosystem [ACHIEVE] including professional organizations, policymakers, Ministers of health, patients, and the World Health Organization to develop and co-implement strategic solutions to tame this burden toward achieving a target of 80% for awareness, treatment, and control by the year 2030.
<https://pubmed.ncbi.nlm.nih.gov/38424209/> <https://pubmed.ncbi.nlm.nih.gov/38245107/>
<https://pubmed.ncbi.nlm.nih.gov/37076570/> <https://pubmed.ncbi.nlm.nih.gov/37386123/>
<https://www.nature.com/articles/s41371-023-00845-7.pdf>
<https://tribuneonline.com/hypertension-how-african-countries-can-save-lives/>

7. **Owolabi, M. O.**, Thrift, A. G., Mahal, A., Ishida, M., Martins, S., Johnson, W. D., Pandian, J., Abd-Allah, F., Yaria, J., Phan, H. T., Roth, G., Gall, S. L., Beare, R., Phan, T. G., Mikulik, R., Akinyemi, R. O., Norrving, B., Brainin, M., Feigin, V. L.(2021).Stroke Experts Collaboration Group. Primary stroke prevention worldwide: translating evidence into action. *The Lancet Public Health*, 2022 Jan;7(1):e74-e85. doi: 10.1016/S2468-2667(21)00230-9. Epub 2021 Oct 29. PMID: 34756176

He is the first author of this Health Policy paper on primary stroke prevention which is one of the publications from the Lancet Commission on Stroke. His team provided the status of primary prevention services, estimated the cost of stroke and stroke prevention, and identified deficiencies in existing guidelines and gaps in primary prevention of stroke across the globe. His team also developed a set of pragmatic solutions for implementation of primary stroke prevention, with an emphasis on the role of governments and population-wide strategies, including task-shifting and sharing and health system re-engineering.

8. Mishra, A., Malik, R., Hachiya, T., ... **Owolabi, M. O. (Joint Senior Author)**,., & Debette, S. (2022). Stroke genetics informs drug discovery and risk prediction across ancestries. *Nature*. Nov;611(7934):115-123. doi: 10.1038/s41586-022-05165-3

This is the largest study of stroke genetics so far globally. As a joint Senior Author on this manuscript, as stated in the publication, he co-supervised the work and provided African data for testing the transferability of polygenic risk scores developed from other sources in African populations. In a cross-ancestry GWAS meta-analyses of 110,182 patients who

have had a stroke (five ancestries, 33% non-European) and 1,503,898 control individuals, the team identified association signals for stroke and its subtypes at 89 (61 new) independent loci: 60 in primary inverse-variance-weighted analyses and 29 in secondary meta-regression and multitrait analyses.

9. Sarfo, F. S., Akpa, O. M., Ovbiagele, B., Akpalu, A., Wahab, K., Obiako, R., Komolafe, M., Owolabi, L., Ogbale, G., Fakunle, A., Okekunle, A. P., Asowata, O. J., Calys-Tagoe, B., Uvere, E. O., Sanni, T., Olowookere, S., Ibinaiye, P., Akinyemi, J. O., Arulogun, O., Jenkins, C., Lackland, D. T., Tiwari, H. K., Isah, S. Y., Abubakar, S. A., Oladimeji, A., Adebayo, P., Akpalu, J., Onyeonoro, U., Ogunmodede, J. A., Akisanya, C., Mensah, Y., Oyinloye, O. I., Appiah, L., Agunloye, A. M., Osaigbovo, G. O., Adeoye, A. M., Adeleye, O. O., Laryea, R. Y., Olunuga, T., Ogah, O. S., Oguike, W., Ogunronbi, M., Adeniyi, W., Olugbo, O. Y., Bello, A. H., Ogunjimi, L., Diala, S., Dambatta, H. A., Singh, A., Adamu, S., Obese, V., Adusei, N., Owusu, D., Ampofo, M., Tagge, R., Fawale, B., Yaria, J., Akinyemi, R. O., & **Owolabi, M. O. (Senior Author)**, (2023). Patient-level and system-level determinants of stroke fatality across 16 large hospitals in Ghana and Nigeria: a prospective cohort study. *Lancet Global Health*, 11(4), e575-e585. [https://doi.org/10.1016/S2214-109X\(23\)00038-4](https://doi.org/10.1016/S2214-109X(23)00038-4)

He is the senior author of this manuscript from the SIREN study. His team reported the variability in the odds of stroke fatality that could be attributed to the system-level factors across study sites assessed using model intracluster correlation coefficient which was substantial. His team identified six patient-level factors associated with stroke fatality (low vegetable consumption, systolic blood pressure, stroke lesion volume more than 30 cm³, National Institutes of Health Stroke Scale (NIHSS) score, elevated intracranial pressure, and aspiration pneumonia. These factors are being targeted across stroke centers in Africa as discussed in the 2023 African Stroke Organization-World Stroke Organization acute care workshop which he chaired.

10. **Owolabi, M. O.**, , Leonardi M, Bassetti C, Jaarsma J, Hawrot T, Makanjuola AI, Dhamija RK, Feng W, Straub V, Camaradou J, Dodick DW, Sunna R, Menon B, Wright C, Lynch C, Chadha AS, Ferretti MT, Dé A, Catsman-Berrevoots CE, Gichu M, Tassorelli C, Oliver D, Paulus W, Mohammed RK, Charway-Felli A, Rostasy K, Feigin V, Craven A, Cunningham E, Galvin O, Perry AH, Fink EL, Baneke P, Helme A, Laurson-Doube J, Medina MT, Roa JD, Hogn B, O'Bryan A, Trenkwalder C, Wilmshurst J, Akinyemi RO, Yaria JO, Good DC, Hoemberg V, Boon P, Wiebe S, Cross JH, Haas M, Jabalpurwala I, Mojasevic M, DiLuca M, Barbarino P, Clarke S, Zuberi SM, Olowoyo P, Owolabi A, Oyesiku N, Maly-Sundgren PC, Norrving B, Soekadar SR, van Doorn PA, Lewis R, Solomon T, Servadei F. (2023). Global synergistic actions to improve brain health for human development. *Nature Reviews Neurology*. 2023 Jun;19(6):371-383. <https://doi.org/10.1038/s41582-023-00808-z>

He led over 30 neurology and brain health related organizations to develop this global strategy for reducing the burden of neurological disorders globally through global

synergies. This attracted an interview with Mark P. Mattson, Ph.D. of the Department of Neuroscience, Johns Hopkins University, School of Medicine, host of the Brain Ponderings Podcast on the **“Strategies for Reducing Global Burden of Neurological Disorders”*.*
 Spotify: <https://open.spotify.com/show/39HsoeK8o7DtXIhepNCyfl>
 YouTube: <https://www.youtube.com/@brainponderingswithmarkmat648/videos>
 Furthermore, he is also the WHO Consultant and the Chair of the Committee on domestication of the WHO Intersectoral Global Action Plan against neurological disorders (WHO-IGAP) for the African region of the World Health Organization. He wrote the first draft of the domestication plan for Africa to be launched soon by the WHO in conjunction with Ministries of Health in Africa.

11. Feigin, V. L., **Owolabi, M. O.** ; World Stroke Organization–Lancet Neurology Commission Stroke Collaboration Group. (2023). Pragmatic solutions to reduce the global burden of stroke: A World Stroke Organization-Lancet Neurology Commission. *The Lancet Neurology*. Dec;22(12):1160-1206. doi: 10.1016/S1474-4422(23)00277-6. Epub 2023 Oct 9. PMID: 37827183 [https://doi.org/10.1016/S1474-4422\(23\)00277-6](https://doi.org/10.1016/S1474-4422(23)00277-6)

Given his previous contributions in the field, he was invited by the WHO to co-initiate this Lancet Commission in May 2016, he led and chaired the Steering Committee <https://doi.org/10.1159/000535377> of the Commission with over 322 commissioners covering 84 countries. He designed the methodology and wrote the first complete draft of the publication. On the basis of a global situational analysis including mixed methods analysis of barriers and facilitators, forecasts of the future epidemiological and economic impacts of stroke and evaluation of the current evidence base, for each of the four pillars of the stroke quadrangle (surveillance, prevention, acute care, and rehabilitation which he proposed in 2011), his team proposed pragmatic evidence-based solutions to reduce the global burden of stroke. He led the integration of contributions from the WHO into the pragmatic solutions especially the rehabilitation pillar. He led the launching of the Commission publication at the 2024 International Stroke Conference, and the 2023 African Stroke Organization Conference with the participation of Ministries of Health. He will also be launching the Commission at the European Stroke Conference (2024) The pragmatic solutions are being implemented across the globe, and is part of the strategic plan of the World Stroke Organization. He was invited to the 200 Year anniversary of The Lancet on account of his leadership of the Commission

Video Abstract: He is featured from Minute 5.30 <https://youtu.be/KWHpEtfbHL0>
 Editorials, Infographics and Press Release www.thelancet.com/commissions/global-burden-stroke

The Commission was covered in more than 350 international news outlets, including top-tier coverage in *El Pais*, *ABC Spain*, *STAT News* (included in STAT's Morning Rounds email newsletter; attached), *Axios*, *CNBC*, *CNN*, and *Indian Express* The Commission

was also featured in Global Health Now newsletter .
<https://www.cnn.com/2023/10/10/health/stroke-death-report/index.html>

<https://www.neurology.org/media/podcast/solutions-reduce-global-burden-stroke>
<https://www.altmetric.com/details/155269249/twitter>
<https://tracenewsmagazine.com/stroke-expert-canvasses-investment-in-evidence-based-therapies/>

12. Akinyemi R.O., Tiwari H.K., Srinivasasainagendra V., Akpa O., Sarfo F.S., Akpalu A., Wahab K., Obiako R., Komolafe M., Owolabi L., Osaigbovo G.O., Mamaeva O.A., Halloran B.A., Akinyemi J., Lackland D., Obiabo O.Y., Sunmonu T., Chukwuonye I.I., Arulogun O., Jenkins C., Adeoye A., Agunloye A., Ogah O.S., Ogbole G., Fakunle A., Uvere E., Coker M.M., Okekunle A., Asowata O., Diala S., Ogunronbi M., Adeleye O., Laryea R., Tagge R., Adeniyi S., Adusei N., Oguike W., Olowoyo P., Adebajo O., Olalere A., Oladele O., Yaria J., Fawale B., Ibinaye P., Oyinloye O., Mensah Y., Oladimeji O., Akpalu J., Calys-Tagoe B., Dambatta H.A., Ogunniyi A., Kalaria R., Arnett D., Rotimi C., Ovbiagele B., **Owolabi M.O. (Senior Author)**; for the SIREN Team (2024). Novel functional insights into ischemic stroke biology provided by the first genome-wide association study of stroke in indigenous Africans. *Genome Med.* 2023 Feb 5;16(1):25. doi: 10.1186/s13073-023-01273-5.PMID: 38317187

As the overall Principal Investigator of the SIREN project, he led this pioneering work on the first genome-wide study of stroke in Africa. He led the discovery of genome-wide significant (P -value $< 5.0E-8$) SNPs associations near AADACL2 and miRNA (MIR5186) genes in chromosome 3 after adjusting for hypertension, diabetes, dyslipidemia, and cardiac status in the base model as covariates. The putative genes near AADACL2, MIR5186, and MIR4458 genes were protective and novel. Both genomic regions near genes AADACL2 and MIR4458 remained significant following fine mapping. These findings demonstrate the potential roles of regulatory miRNA, intergenic non-coding DNA, and intronic non-coding RNA in the biology of ischemic stroke. They reveal new molecular targets that promise to help close the current gaps in accurate African ancestry-based genetic stroke's risk prediction and development of new targeted interventions to prevent or treat stroke.

Furthermore, he led the establishment of the African Biobank and Longitudinal Epidemiological Ecosystem (ABLE) to further unravel and translate the genomic epidemiology of non-communicable diseases in Africa through a quadruple helix approach involving policymakers and industry.
<https://pubmed.ncbi.nlm.nih.gov/37591576/>

INVITED SPEAKER/CHAIR/ ABSTRACTS PRESENTED AT UNIVERSITIES AND INTERNATIONAL CONFERENCES

1. Uvere E..... **Owolabi MO**. American Heart Association 2025 Paul Dudley White International Scholar Award for abstract “Communities Beliefs, Attitudes, Practices And Recommendations For Improving Stroke Prevention And Stroke Care In Rural And Urban Communities In Nigeria.” American Heart Association’s International Stroke Conference 2025. Los Angeles, California, USA, February 5-7, 2025.
2. **Owolabi MO**. The roadmap to improve stroke prehospital care in African Countries. The 8th International Symposium on the Stroke Prehospital Care (Extended online live session) Organizers The World Stroke Organization Taskforce for Prehospital Care (WSOTPC) The Coalition of Special Taskforces for Stroke (CSTS) Co-organizer Stroke Health Education and Promotion Expert Committee (SHEPEC), China Stroke Specialist Alliance (CSSA). 14 December, 2024
3. **Owolabi MO**. Building Thrombectomy Systems in Sub-Saharan Africa. World Stroke Day Webinar Leapfrogging Stroke Care: Advancing Mechanical Thrombectomy Through Novel Approaches. SVIN/MT. November 9, 2024.
4. **Owolabi MO**. Five Year Action Plan to control stroke in Africa. International symposium on research in Africa. The African Research Network (ARNcd), Cheikh Anta Diop University and Paris Cité University. King Fahd Palace, Dakar, November 25, 2024.
5. **Owolabi MO**. Global synergistic actions to improve brain health. Milan Center for Neuroscience - NeuroMI - 10th anniversary 2014-2024. Sixth International Meeting. October 25, 2024
6. **Owolabi MO** “Epilepsy Rehabilitation in Low-Resource Settings: Practical Solutions for Neurologists & Integrating with Primary Health Care WFNR & IFNR Symposium - “Advancing Epilepsy Rehabilitation: Implementing WHO’s Intersectoral. November 17, 2024
7. **Owolabi MO**. Brain Health and Cognitive Development: Nigerian Context Workshop Theme: *Nurturing Cognitive Science in Nigeria: Foundation for a New Discipline*, November 5 and 6, 2024
8. **Owolabi MO**. Conference Chair. African Stroke Organisation Conference. ASOC 2024: Hybrid and Zambia. November 4-6, 2024
9. **Owolabi MO**. WSO-Lancet Neurology Commission on Stroke: Overview African Stroke Organisation Conference. ASOC 2024. November 4-6, 2024.
10. **Owolabi MO**. Geographic Disparities in Thrombectomy Access across Africa: Leveraging Mobile Stroke Unit and Telemedicine. World Stroke Day Event. Mission Thrombectomy. November 9, 2024
11. **Owolabi MO**. Global Brain Health The Harvard x TUM Global Brain Health Partnership Defining Brain Health – Why it Matters for Policy and Program Action, Tanzania Rehabilitation Summit. Owolabi MO 18th of September 2024
12. **Owolabi M.O** Community based rehabilitation projects – WFNR World Brain Day Webinar 22 July 2024
13. **Owolabi MO** Advocacy elements in neurorehab. Invited speaker. World Congress of Neurorehabilitation, Vancouver, Canada. 22 to 25 May 2024
14. **Owolabi MO** Rolling out the community-based rehabilitation (CBR) matrix. Session: Family based rehabilitation & community-based rehabilitation in developing and underdeveloped

- countries. Invited speaker. World Congress of Neurorehabilitation, Vancouver, Canada. 22 to 25 May 2024
15. **Owolabi MO** Overview of the WSO-Lancet commission on stroke & the neurology revolution
Invited speaker. World Congress of Neurorehabilitation, Vancouver, Canada. 22 to 25 May 2024
 16. **Owolabi MO** Infective disorders of the nervous systems in Indo-African region and their rehabilitation measures. Invited speaker. World Congress of Neurorehabilitation, Vancouver, Canada. 22 to 25 May 2024
 17. **Owolabi MO.** Precision Neurorehabilitation for better outcomes in patients with neurological disorders: The past, the present and the future. Invited speaker, World Congress of Neurorehabilitation, Vancouver, Canada. 22 to 25 May 2024
 18. **Owolabi MO** Global synergistic actions to improve brain health for human development. Invited speaker, World Congress of Neurorehabilitation, Vancouver, Canada. 22 to 25 May 2024
 19. **Owolabi MO.** Nigeria. Pragmatic solutions to reduce the global burden of stroke. Kyiv Summer Stroke Summit 'Stroke Update-2024' June 13-15, 2024
 20. **Owolabi MO,** Moderator, WHO, EAN, AAN webinar. From Research to policy. Advocating for brain health. 26 April, 2024.
 21. **Owolabi MO.** 2e Congrès de la Société D'Afrique Francophone de Neurorehabilitation & 1er Congrès de l'association Camerounaise de Neurorehabilitation (Neurorehab Training) 22 - 24 February 2024, Centre Jean XXIII de Mvolye, Yaounde, Yaounde (CAMEROON) Overview of Neurorehabilitation in Africa
 22. **Owolabi MO.** 2e Congrès de la Société D'Afrique Francophone de Neurorehabilitation & 1er Congrès de l'association Camerounaise de Neurorehabilitation (Neurorehab Training) 22 - 24 February 2024, Centre Jean XXIII de Mvolye, Yaounde, Yaounde (CAMEROON) Community based rehabilitation
 23. **Owolabi MO:** 2024 Annual General and Scientific Meeting. Ghanaian Society of Cardiology: Carotid Atherosclerosis and stroke. 22 -23 February 2024.
 24. **Owolabi MO** ISC 2024 #1733 Overview of the WSO-Lancet Commission on Stroke Phoenix Arizona USA Feb 7 -9 USA
 25. **Owolabi MO** ISC 2024 Phoenix Arizona USA Feb 7 -9 USA#5968 Partnerships Presentation 1: Primary Stroke Prevention Worldwide: Translating Evidence into Action.
 26. **Owolabi MO.** Chair ASOC 2023
 27. ESOC 2024 **Owolabi MO.** Pragmatic Solutions, Pathways to Impact and Success Stories for reducing the global burden of stroke: World Stroke Organization – Lancet Neurology Commission on Stroke. Chair and Invited Speaker. Overview of the WSO-Lancet Commission on Stroke: Reducing the global burden of stroke. 10th European Stroke Organisation Conference – ESOC 2024 15–17 May 2024, Basel, Switzerland.
 28. **Owolabi, M.O.** Stroke epidemiology and genetics in Africa. Non-communicable diseases in Africa. ARUA Conference and Networking Meeting November 16-17, Lagos, Nigeria, 2023.
 29. 9th GET Conference, Lagos **Prof. Mayowa Owolabi,** Keynote Speaker, Topic: Maximizing Benefits and Understanding Risks of Synthetic Biology and Other Emerging Biotechnologies in Africa. November 20 and 21, 2023

30. **Owolabi MO.** Genomics Epidemiology Workshop: Understanding the promises and perils of synthetic biology in Africa. 10 December, 2023., IITA Ibadan
31. **Owolabi MO.** Chair fifth African Congress for Neurorehabilitation... Promoting Brain Health through Neurorehabilitation in Africa
32. **Owolabi MO.** An Overview of Stroke: Epidemiology and Global Impact. Neurotorium Expert Meeting, 11-13 September, 2023; Gothenburg, Sweden
33. **Owolabi M.O** WFNR World Brain Day Webinar 22 July 2023, 2 pm BST Promoting Brain Health Through Neurorehabilitation –
34. **Owolabi MO** WFNR Webinar 2023 Disability solutions worldwide Africa:
35. **Owolabi MO** WFNR Webinar 2023 The neurology revolution: the global burden of neurological diseases and strategies for enhancing brain capital for human development -
36. **Owolabi MO** Invited Speaker, ISC Overview of the WSO-Lancet Commission on Stroke: The Vascular Neurology Global Workforce. Feb 2023
37. **Owolabi MO** Moderator: ISC Roundtable discussion Session: Towards a resilient future: a roundtable on health policy and economics in European neurorehabilitation
38. **Owolabi MO** Conference Chair, African Control of Hypertension through Innovative Epidemiology and a Vibrant Ecosystem (**ACHIEVE**) 26, 27 July 2023
39. **Owolabi MO** Conference Chair, WFNR Africa 31 October, 1st November, 2023
40. **Owolabi MO** Conference Cochair ASOC 1st-2nd November 2023
41. **Owolabi MO** European Congress of Neurorehabilitation ECNR PLENARY. 01 SEPT 2023
42. Osahon J,**Owolabi MO** 2023 Paul Dudley White International Scholar Award “Low Vegetable Consumption Doubles The Risk Of Stroke Among Hypertensives In West Africa.” American Heart Association’s Hypertension Scientific Sessions 2023 in Boston, Massachusetts, USA, September 7-10, 2023.
43. Fakunle A.... **Owolabi MO.** Disclosure of Genetic Test Results for Stroke among Stroke-free West Africans. **ASHG’s Resource Limited Country Award** American Society of Human Genetics Annual Meeting Washington, DC from November 1-5, 2023
44. **Owolabi MO** Stroke epidemiology and genetics in Africa. Non-communicable diseases in Africa. ARUA Conference and Networking Meeting 2023.
45. **Owolabi MO.** Neurorehabilitation in Africa: Past, Present and Future. Indian Federation of Neurorehabilitation IFNR Conference April 14 to 16 2023
46. **Owolabi MO** May 17 World Hypertension Day. WHO Program. Theme: Measure Your Blood Pressure Accurately, Control It, Live Longer, the WHO regional office NCD programme “Challenges facing the prevention and control of hypertension in the region”. May 17, 2023.
47. **Owolabi, M.O.** Neurorehabilitation in Africa: Past, Present and Future. Indian Federation of Neurorehabilitation IFNR Conference April 14 to 16 2023
48. **Owolabi MO** Atrium Academy of Science and Medicine. March 17, 2023. Brain Health and the Neurology Revolution Thank you so much for agreeing to present at the Atria Vanguard Symposium on Thursday, March 16 from 6-7:30 p.m. WAT (1-2:30 p.m. EDT).
49. **Owolabi, M.O.** Neuro Rehabilitation: Rolling Out Neurorehabilitation In Low And Middle Income Countries (ID 84) WCN 2023 Montreal 15-19 October 2023

50. **Owolabi, M.O.** Advocacy Across Life - WCN Advocacy Workshop 3 (ID 74) The Situation In Africa. WCN 2023 Montreal 15-19 October 2023.
51. **Owolabi, M.O.** WFNR-WFN Joint Session: State of Neurorehabilitation Worldwide: Solutions and Open Questions WCN 2023 Montreal 15-19 October 2023
52. **Owolabi M.O.** Appropriate Technologies and Solutions For Neurorehabilitation In LMIC: Implementation Science Driven Pragmatic Approach: Appropriate Technologies And Solutions For Neurorehabilitation In Low- And Middle-Income Countries (ID70) WCN 2023 Montreal 15-19 October 2023.
53. **Owolabi, M.O.** Annual conference of the Indian Federation of Neurorehabilitation IFNRCON 2023 will be held at MET, Mumbai from the 13th of April to 16th April 2023 in the hybrid form. 15th April 2023 at 4:10pm IST. Topic- Neurorehabilitation in the African continent, Past, Present, Future!
54. **Owolabi MO** Lancet Commission on Stroke. World Stroke Congress. Montreal Canada, October 10 to 15, 2023
55. **Owolabi, M.O.** ISC 2023 February 8, 2023. Genetics of Stroke Risk in Under-Represented Populations Mayowa Owolabi, Poster Presentation
56. **Owolabi, M.O.** ISC 2023 February 8, 2023, HEADS-UP: Health Equity and Actionable Disparities in Stroke: Understanding and Problem-solving.
57. **Owolabi, M.O.** ISC 2023 February 8, 2023, HEADS-UP: Health Equity and Actionable Disparities in Stroke: Understanding and Problem-solving Talk: Implementation Science Approaches and Tools.
58. Fred Sarfo... **Owolabi MO.** Clinical Research: Neurobiobanking and Stroke Genomic Research in Africa Experiences of the African Neurobiobank for Precision Stroke Medicine – ELSI Project. ISC 2023 Feb 8 -11, 2023
59. **Owolabi M.O.** WFNR Silver Jubilee Webinar - Low Tech Options for Neurorehabilitation. Humanistic and Holistic Models of Neurorehabilitation: Restoring Meaning and Quality to Life after Neurological injury. Thursday, 17 March 2022 at 2pm CET/1pm GMT/2pm GMT+1
60. **Owolabi MO.** JACC Global Burden of Cardiovascular Disease webinar focused on Africa Webinar Africa 20 September, 2022.
61. Olalusi..... **Owolabi MO:** Correlation Between Serum Low Density Lipoprotein (LDL) Levels And Hemorrhagic Stroke Severity: A Retrospective Review From SIREN (preliminary findings). 2022 Annual Meeting American Academy of Neurology in Seattle, April 2-7, 2022
62. **Owolabi MO.** Plenary lecture (online) “Approaches to community-based rehabilitation” Session: Plenary lecture 5 & 6. 02.09.22 ECNR
63. **Owolabi MO.** Round table discussion Session: Round table - community based rehabilitation ECNR 2023
64. **Owolabi MO.** Roundtable discussion Session: Towards a resilient future: a roundtable on health policy and economics in European neurorehabilitation. ECNR 2023
65. **Owolabi MO.** Research and Medicine in Ibadan, Challenges and Opportunities ‘Research and Medicine in Africa - Challenges and Opportunities’ as part of the 7th CUCS Conference Naples

2022 ‘UNIVERSITY COOPERATION IN THE NEW CHALLENGES FOR SUSTAINABLE DEVELOPMENT’ Napoli (Italy) on 21st – 23rd April 2022. <https://www.cucsnapoli2022.it/>

66. **Owolabi MO** Ensuring and Restoring Brain Health across the Life Course. Recent Advances in Neurorehabilitation 10th annual Conference of the Indian Federation of Neurorehabilitation. April 22 to 24, 2022
67. **Owolabi MO** Understanding the impacts and future prospects of genomic science on improving healthcare in Africa. Global Emerging Pathogens Consortium (GET) Webinar April 27, 2022
68. **Owolabi MO** Stroke Research in AFRICA Essentials in Clinical Stroke Research Course; 03 to 06 May, 2022
69. **Owolabi MO** CHAIR Resource H3Africa Conference Abuja. 28 May to 02 June 2022
70. WSO Webinar. Digital solutions June 8
71. **Owolabi MO** WHL Athens Greece Conference June 17 and 18
72. **Owolabi MO** The working Plan for Implementing the WHL Call to Actions for Hypertension in Africa. Speaker .5th WHL World Hypertension Congress 13 to 15 May 2022 in two cities: Macau and Zhuhai, China.
73. **M.O. Owolabi**. MDCAN UCH Ibadan 1st Quarterly Lecture. The Place of "Big Data" in Clinical Research. Time: Mar 9, 2022 02:00 PM West Central Africa
74. **Owolabi M**, Moderator Invited Symposium Session Number: 052 Session Date: Thursday, February 10, 2022, 3:30 pm - 4:30 pm Session Title: Evidence-Based Pragmatic Solutions and Policy Interventions for Reducing the Global Burden of Stroke International Stroke Conference. The conference is scheduled for Wednesday, February 9 - Friday, February 11, 2022 at the Ernest N Morial Convention Center in New Orleans,
75. Okekunle PO, **Owolabi MO** SIREN/SIBS GENOMICS Secondhand Smoking And Odds Of Stroke Among Non-smoking Indigenous Africans From Ghana And Nigeria: A Matched Case-control Study. Poster presentation at the International Stroke Conference. February 9 - Friday, February 11, 2022 at the Ernest N Morial Convention Center in New Orleans,
76. Okekunle PO, **Owolabi MO** Dietary Patterns And Blood Pressure Profiles Among Stroke-free Africans: Evidence From The Stroke Investigative Research And Educational Network Study In Sub-Saharan Africa., has been accepted for poster presentation at the conference. Wednesday, February 9 - Friday, February 11, 2022 at the Ernest N Morial Convention Center in New Orleans, LA
77. **Owolabi MO**. 12th World Congress for Neurorehabilitation 14 - 17 December 2022 | Vienna Chair Pre-congress teaching course on stroke rehabilitation practice recommendations – chapters 1-2
78. **Owolabi MO**. Clinical pathways in stroke rehabilitation – background, scope, and methods
79. **Owolabi MO** WFNR and WFN – Approaches to brain health
80. **Owolabi MO** Health care settings for rehabilitation after stroke in Session: 15:15 - 17:15 Pre-congress teaching course on stroke rehabilitation practice recommendations – chapters 13-14
81. **Owolabi MO**. Examining The Global Action Plan on epilepsy and other neurological disorders towards Building a multi-stakeholder, integrated response to neurology across the life course and

within healthcare systems. VIRTUAL ROUND TABLE featuring: WHO, Member State Representatives & One Neurology Partnership November 12th, 2021 – from 10am to 12pm CET

82. **Owolabi M.O.** Stroke rehab -worldwide perspective European Congress of NeuroRehabilitation 2021, 8–11 December 2021 jointly with the 27th Annual Conference of the German Society for Neurorehabilitation.
83. Volker Homberg, **Owolabi M O**, Nirmal Surya. WHO webinar on Global Perspective on Rehabilitation Approach for Cognitive Impairment and Mental Health in Post COVID-19 Condition Expanding Our Understanding of Post COVID-19 Condition Web Series: Rehabilitation 06 October 2021 13:30 – 15:30 CEST
84. **Owolabi MO** Akpa O, Okekunle AP, Regional Patterns and Association Between Obesity and Hypertension in Africa 12th European Congress on Tropical Medicine and international Health: September 30- October 1, 2021 Bergen Norway & virtual European Conference on Tropical Medicine and Hygiene 2021
85. Rufus Akinyemi, Hemant K. Tiwari, Vinodh Srinivasasainagendra, Fred S. Sarfo, Albert Akpalu, Kolawole Wahab, Reginald Obiako, Morenikeji Komolafe, Lukman Owolabi, Godwin O. Osaigbovo, Bruce Ovbiagele, **Owolabi M.** Genetic Variants Associated with Ischemic Stroke: Findings from the First-ever Stroke Genome-wide Association Study in Indigenous Africans. Accepted as late breaking abstract for American Neurological Association’s 2021 Virtual Annual Meeting. October 17-19, 2021 (Opening Symposium October 16). To be published in Annals of Neurology
86. **Owolabi M.O.** Community Based Rehabilitation: Role for Neurorehabilitation and conditions in different Asian Oceanian Countries. Experiences of CBR from Nigeria in Asian-Oceanian Congress for NeuroRehabilitation AOCNR 2021 - Friday, 6th August 2021 - 01:30 PM to 05:00 PM
87. **Owolabi M.O.** Experience of COVID 19 & Neurorehabilitation Symposium Symposium. Viewpoint from Africa in Asian-Oceanian Congress for NeuroRehabilitation AOCNR 2021 Day 2 - Saturday, 7th August 2021 - 02:00 PM to 03:30 PM
88. **Owolabi M.O.** “Current deficiencies in stroke prevention, care and rehabilitation, with a particular focus on low- and middle-income countries.” “Stroke in Needs and Numbers worldwide 2021” September 14, 2021. WSO Webinar
89. **Owolabi MO** et al "Regional Patterns and Association Between Obesity and Hypertension in Africa" Virtual 12th European Congress on Tropical Medicine and International Health (ECTMIH) 28th September to 1st October 2021
90. **Owolabi MO** WFNR SARAH 25-year anniversary
91. **Owolabi MO** WFNR World Stroke Day
92. **Owolabi MO.** GET Conference One Health
93. **Owolabi MO.** Wellcome Trust... Showcasing African Neuroscience. November
94. A. Okekunle, A. Ojagbemi, P. Olowoyo, O. Akpa, O. Asowata, R. Akinyemi, B. Ovbiagele, **M. Owolabi.** Dietary Intakes Of Green Leafy Vegetables And Incidence Of Cardiovascular Diseases,

13th World Stroke Congress 2021 (Virtual) by the World Stroke Organization. Date 28-29 October 2021.

95. Okekunle, O. Asowata, O. Akpa, R. Akinyemi, F. Sarfo, A. Akpalu, R. Obiako, L. Owolabi, B. Ovbiagele, **M. Owolabi**. Dietary Patterns and Odds of Stroke – Evidence from the Stroke Investigative Research and Education Network (SIREN) Study In Sub-saharan Africa. 13th World Stroke Congress 2021 (Virtual) by the World Stroke Organization. Free Communication Oral Presentation. Date 28-29 October 2021. Okekunle won the WSO young investigators award.
96. **Owolabi, M.** The Lancet Neurology Commission on stroke: Evidence-based pragmatic solution to reduce the global burden of stroke (keynote lecture) – Session: Stroke prevention and policy implications. 7th International Conference on Neurology & Epidemiology- ICNE March 19-20, 2021 Virtual Conference
97. Sarfo F... **Owolabi MO**. Characterization of the Associations Between Pre-diabetes and Diabetes with Occurrence of Stroke by its Types, Subtypes and Outcomes among West Africans" Oral Presentation. the American Academy of Neurology Virtual Annual Meeting, April 17 to April 22, 2021.
98. **Owolabi MO**: Methodology and Scope WFNR International Certificate Course Webinars
99. **Owolabi MO**. Recovery of Swallowing. WFNR International Certificate Course Webinars
100. WFNR Book Project Webinars
101. **Owolabi MO**. #521 Stroke Prevention Strategies in Africa. International Stroke Conference, March 17 – 19, 2021, Virtual Conference. (Invited Speaker)
102. **Owolabi MO**. #6162 Stroke Investigative Research and Education Network: Public Outreach & Engagement. International Stroke Conference, March 17 – 19, 2021, Virtual Conference. (Invited Speaker)
103. Sarfo.....**MO Owolabi #5097**, Characterization of the Associations Between Pre-Diabetes and Diabetes With Occurrence of Stroke by Its Types, Subtypes and Outcomes Among West Africans, International Stroke Conference, March 17 – 19, 2021, Virtual Conference
104. Sarfo.....**MO Owolabi #5097**, Effect Sizes of Vascular Risk Factors for Stroke Occurrence by Age Among West Africans, International Stroke Conference, March 17 – 19, 2021 , Virtual Conference
105. **Owolabi MO** Leveraging Precision Medicine and Mobile Technology to control Non-Communicable Diseases in Africa. Toward a Successful Trilateral collaboration: 4th Kyoto-Bordeaux Joint Symposium (Feb. 18 and 19, 2021)
106. **Owolabi MO**,. Gemeinsame Jahrestagung der Deutschen Gesellschaft für Neurorehabilitation e. V. und der Deutschen Gesellschaft für Neurotraumatologie und Klinische Neurorehabilitation e. V. December 10-12th, 2020. National plans for neurorehabilitation. Perspectives from Africa – Invited Speaker
107. **Owolabi MO** Reducing the global burden of stroke in resource limited settings: Mitigating the barriers, Amplifying the Facilitators (an ASA and World Health Organization Joint Symposium). International Stroke Conference, Los Angeles California, 2020 (Invited Moderator)
108. COVID Experiences in Neurorehabilitation: WFNR 2020

109. **Owolabi MO** COVID Experiences in Neurorehabilitation- Africa experience WCNR SOFMER October 6-10, 2020
110. Wasti SA, **Owolabi MO** Healthcare settings for rehabilitation after stroke, WCNR SOFMER October 6 to 10, 2020
111. Platz T, **Owolabi MO**: Clinical Pathways in Stroke Rehabilitation, Background, Scope and Methods. WCNR SOFMER October 6 to 10, 2020
112. **Owolabi MO**: Session Chair, Disorders of Consciousness, WCNR SOFMER October 6 to 10, 2020
113. **Owolabi MO**. Preventing Stroke In Low- And Middle-Income Countries – Barriers And Potential Solutions. European Stroke Organization World Stroke Organization Conference 7-9 November 2020 Virtual Conference Invited Speaker
114. **Owolabi MO**. Stroke Prevention. Society of Family Physicians Of Nigeria (SOFPON) Conference. 28 November 2020 Virtual Conference Invited Speaker
115. WHO WSO Lancet Neurology Conference Bellagio Conference Chair
116. American Academy of Neurology Annual Meeting, April 25 to May 1, 2020 in Toronto, ON, Canada. You will be presenting your work at the world's largest gathering of neurological professionals. We are pleased to inform you that your scientific abstract number 1564 entitled "Unraveling the Risk factors for Spontaneous Intracerebral Hemorrhage and its Severity among West Africans"
117. **Owolabi MO**. The Role of Context in Implementation Research. International Stroke Conference. 2019. Honolulu, Hawaii, USA (Invited Speaker)
118. **Owolabi MO**. Cost Effective Stroke Interventions in Low- and Middle-Income Countries (an AHA/ASA and World Health Organization Joint Symposium) International Stroke Conference. 2019. Honolulu, Hawaii, USA (Session Moderator/Chair)
119. Akpabio A, **Owolabi MO** "Evaluation of Rheumatology Lectures By Clinical Students in a Nigerian Medical School: Learning from the Learners" for presentation at the 2018 ACR/ARHP Annual Meeting, to be held in Chicago, Illinois, October 19-24.
120. R. Akinyemi, H.K. Tiwari, D.K. Arnett, B. Ovbiagele, M.R. Irvin, K. Wahab, F. Sarfo, V. Srinivasasainagendra, A. Adeoye, R.T. Perry, A. Akpalu, C. Jenkins, O. Arulogun, M. Gebregziabher, L. Owolabi, R. Obiako, E. Sanya, M. Komolafe, M. Fawale, P. Adebayo, G. Osaigbovo, T. Sunmonu, P. Olowoyo, I. Chukwuonye, Y. Obiabo, O. Akpa, J. Akinyemi, G. Ogbole, S. Melikam, R. Saulson, and **M. Owolabi**, Unraveling the Genetic Architecture of Stroke in Africans: Updates from the SIREN project For the SIREN Investigators . Proceedings of the 22nd International Stroke Genetics Consortium Workshops. *Neurol Genet* 2018;4:e235. doi:10.1212/NXG.0000000000000235
121. **Owolabi MO**. “The Lancet Neurology Commission on Stroke in Low and Middle-Income Countries”. Reducing Global Burden of Stroke. Dates: 20th October, 2018. World Stroke Congress, Canada.

122. **Owolabi MO.** “Controlling Stroke Epidemic in Low and Middle-Income Countries: Experience from Africa”. WSO-WHO Joint Session: Global Epidemiology & Policies. Dates: 17th October, 2018 World Stroke Congress, Canada.
123. **Owolabi MO.** Chair Leave No-one Behind: Putting People Living with Stroke and NCDs at the Centre of Healthcare 19th October, 2018. World Stroke Congress, Montreal, Canada.
124. **Owolabi MO,** Stroke burden in Africa. Practical aspects. Global Brain Summit. November 27 to 28, 2018, Auckland, New Zealand
125. **Owolabi MO,** Speaker: Blossom Centre for Neurorehabilitation - A Model Centre in a Developing Country. 10th World Congress for Neurorehabilitation Renaissance Mumbai Convention Centre Hotel, Powai in Mumbai, India February 7 - 10, 2018.
126. **Owolabi MO,** Chair: Outreach Programmes in Developing Countries. 10th World Congress for Neurorehabilitation Renaissance Mumbai Convention Centre Hotel, Powai in Mumbai, India February 7 - 10, 2018.
127. **Owolabi MO,** Chair: Low-Cost Model of Rehabilitation in Africa. 10th World Congress for Neurorehabilitation Renaissance Mumbai Convention Centre Hotel, Powai in Mumbai, India February 7 - 10, 2018.
128. **Owolabi MO.** Chair/Moderator: First WFNR /ASA Joint Session on Neurorehabilitation, Translating Innovations in Stroke Rehabilitation to Improve Recovery and Quality of Life across the Globe (an AHA/ASA and World Federation for Neurorehabilitation Joint Session). International Stroke Conference, ISC January 2018. Los Angeles, USA
129. **Owolabi MO.** Chair/Speaker: First WHO Lancet Commission Session on Stroke in LMIC, Tackling stroke in low and middle income countries- placing proof in pragmatism; a WHO-Lancet Commission on Stroke in Low and Middle Income Countries (an AHA/ASA and World Health Organization Joint Symposium) International Stroke Conference, ISC January 2018. Los Angeles, USA 137.
130. **Owolabi MO,** Akinyemi RO, Gebregziabher M, Armstrong K, Akinyemi O, Akpa O, Olaniyan O, Salako BL, Arulogun O, Tagge R, Uvere E, Fakunle K, Ovbiagele B Randomized Controlled Trial of a Multipronged Intervention to Improve Blood Pressure Control among Stroke Survivors. THRIVES Poster ISC
131. **Owolabi MO,** Sarfo F, Ovbiagele B, Gebregziabher M, Akpa OM, Wahab K. International Stroke Conference Moderated Poster Abstracts Session Title: Community/Risk Factors Moderated Poster Tour II Abstract TMP53: Risk Profile of Stroke Among Young Africans: Evidence From the SIREN Study Stroke.2018; 49: ATMP53. International Stroke Conference, Los Angeles, USA. January 24-26; 2018.
132. **Owolabi MO.** Invited Lecture Unravelling Stroke and Cardiovascular diseases in Africa Charting new Paths. New York University. 29 January 2018.
133. **Owolabi MO et al** 69th Annual Meeting of the American Academy of Neurology, Boston, USA, April 21-27, 2017. Oral Presentation titled, ‘Stroke risk factors, post stroke anxiety and neurocognitive function.’

134. **Owolabi M**, Akinyemi R, Arnett D, Ovbiagele B, Irvin M, Tiwari H, SIREN. Defining the genetic architecture of stroke in people of black ancestry. Oral presentation. 18th Workshop of the International Stroke Genetics Consortium (ISGC). 18th Workshop of the International Stroke Genetics Consortium (ISGC); 2015 October; Barcelona, Spain.
135. **Owolabi M**, Akinyemi R, Arnett D, Tiwari H, Ovbiagele B, SIREN. Is Genetics Important for Stroke in Africa? Invited Oral presentation. 10th World Stroke Congress.; 2016 October 26-29, Hyderabad India.
136. Ovbiagele B. Addressing the Growing Burden of Stroke in Africa: The Journey So Far. Expanding the Scope of Research in Global Health: A Symposium Honoring the Leadership of Dr. Francis S. Collins. Bethesda, Maryland October 14, 2016
137. Singh A, Jenkins C, Arulogun OS, **Owolabi MO**, Sarfo FS, Ovbiagele B Community Engagement: Experience from the SIREN Study in Sub-Saharan Africa. Oral presentation as well as inclusion in the conference proceedings of the ICCHHP 2017: 19th International Conference on Community Health and Health Promotion to be held in Zurich, Switzerland during January, 13-14, 2017.
138. **Owolabi MO**, Sarfo FS, Akpa O, Gebregziabher M, Akinyemi R, Armstrong K, Akpalu A, Tiwari H, Arnett D, Obiako R, Owolabi L, Wahab K, Melikam ES, Saulson R, Lackland D, Jenkins C, Arulogun O, Ovbiagele, B. SIREN . The Topmost Modifiable Risk Factors for Stroke among People of African Ancestry Moderated Poster Session. Poster Number: TP166 International Stroke Conference, February 22-24, 2017, Texas, USA
139. **Owolabi M**, Howard G, Gebregziabher M, Sarfo F, Irvin R, Armstrong K, Akinyemi R, Tiwari H, Lackland D, Bennett A, Arnett D, Howard V, Ovbiagele B. Interplay Of Racial And Geographical Differences In Stroke Type And Risk Factors Among Indigenous West Africans; African Americans And European Americans. Moderated Poster Session. Poster Board Number: TMP59 International Stroke Conference, February 22-24, 2017, Texas, USA.
140. **Owolabi M.**, SIREN. State of Clinical Research in Stroke in Africa. Invited Oral Presentation. Stroke Risk and Outcomes in People of African Ancestry (an American Heart/American Stroke Association and Nigerian Stroke Society Joint Session) International Stroke Conference, February 22-24, 2017, Texas, USA.
141. Akinyemi R., SIREN. Burden of Stroke, Vascular Risk Factors, and Care Gaps in Africa. Invited Oral Presentation. Stroke Risk and Outcomes in People of African Ancestry (an American Heart/American Stroke Association and Nigerian Stroke Society Joint Session) International Stroke Conference, February 22-24, 2017, Texas, USA.
142. Howard G, Gebregziabher M, Ovbiagele B, **Owolabi M**, Howard V. Insights on black-white disparities in cardiovascular risk potentially offered by international comparisons of stroke-free populations. Global Health Symposium. November 10, 2016. Medical University of South Carolina. Charleston, USA.
143. Howard G., Gebregziabher M., Ovbiagele B., **Owolabi M.**, Howard V. 2016. Insights on black-white disparities in cardiovascular risk potentially offered by international comparisons of stroke-

free populations. Global Health Symposium. November 10, 2016. Medical University of South Carolina. Charleston, USA.

144. Nwankwo K.O, Adejare O.A and **Owolabi M.O.** Profile of Critically Ill Neurological Patients Referred for Physiotherapy In a Tertiary Hospital In Southwest Nigeria. Presentation at the 9th WCNr 10-13 May Philadelphia, USA. 2016.
145. Nwankwo K.O, Adejare O.A and **Owolabi M.O.** Inverse Relationship between Depression, Anxiety, Stress and Functional Independence among Stroke Survivors In Nigeria. Presentation at the 9th WCNr 10-13 May Philadelphia, USA. 2016.
146. Ovbiagele, B., **Owolabi, M.**, Saulson, R., Uvere, E., Arulogun, O. 2016. THRIVES Investigators. Tailored Hospital-Based Risk Reduction to Impede Vascular Events after Stroke (THRIVES) study. Platform presentation at the International Stroke Conference, (ISC) February 17-19 2016 at Los Angeles CA, USA.
147. Ovbiagele, B., **Owolabi, M.**, Akinyemi, R., Hurst, S., Arulogun, O., Gebregziabher, M., Uvere, E., Saulson, R., THRIVES team. 2016. Tailored Hospital-Based Risk Reduction to Impede Vascular Events after Stroke (THRIVES) study. Platform presentation at the 5th Annual Joint Technical Steering Committee Meeting, Sydney, Australia, October 17 2016.
148. Ovbiagele B. 2016. Addressing the Growing Burden of Stroke in Africa: The Journey So Far. Expanding the Scope of Research in Global Health: A Symposium Honoring the Leadership of Dr. Francis S. Collins. Bethesda, Maryland October 14, 2016
149. **Owolabi M.**, Akinyemi R., Arnett D., Tiwari H., Ovbiagele B., SIREN. 2016. Is Genetics Important for Stroke in Africa? Oral presentation. 10th World Stroke Congress.; 2016 October 26-29, Hyderabad India.
150. Philip, B.A., **Owolabi, M.O.**, Olufemi, A. Ogunremi, A., Uvere, E. 2016. Electromyography referral pattern: report from the first Centre for Neurorehabilitation in East, West and Central Africa. Presentation at the 9th WCNr 10-13 May Philadelphia, USA. 2016.
151. Nwankwo K.O, Adejare O.A and **Owolabi M.O.** Profile of Critically Ill Neurological Patients Referred for Physiotherapy In a Tertiary Hospital In Southwest Nigeria. Presentation at the 9th WCNr 10-13 May Philadelphia, USA. 2016.
152. Nwankwo K.O, Adejare O.A and **Owolabi M.O.** Inverse Relationship between Depression, Anxiety, Stress and Functional Independence among Stroke Survivors In Nigeria. Presentation at the 9th WCNr 10-13 May Philadelphia, USA. 2016.
153. **Owolabi MO** et al. 'Profile of Patients seeking Neurorehabilitation in a developing country: report from the First Center for Neurorehabilitation in East, West and Central Africa'. Presentation at the 9th WCNr 10-13 May Philadelphia, USA. 2016.
154. Philip B. Adebayo, **Owolabi MO**, Olufemi A. Ogunremi, Ezinne Uvere. Electromyography referral pattern: report from the first Centre for Neurorehabilitation in East, West and Central Africa. Presentation at the 9th WCNr 10-13 May Philadelphia, USA. 2016.
155. **Owolabi MO** et al. SIREN presentation in H3Africa Consortium Meeting, Washington DC, Oct 2015

156. **Owolabi MO** et al. Consensus presentation to NIH at NIH Campus on behalf of the CVD group, Washington DC, Oct 2015
157. Ovbiagele B, **Owolabi MO**, Saulson R, Uvere E, Arulogun O. Tailored Hospital-Based Risk Reduction to Impede Vascular Events After Stroke (THRIVES). THRIVES Investigators. ISC Poster ISC, Feb 17-19, 2016, Los Angeles CA.
158. **Owolabi MO** et al. SIREN: defining the genetic architecture of stroke in people of black ancestry. Oral presentation at the International Stroke Genetics Consortium (ISGC) Barcelona Spain 2015.
159. **Owolabi MO**. Presentation at the Annual GACD COUNCIL meeting Mexico City November 2015
160. Ojagbemi A, **Owolabi MO**. Ibadan Delirium study presented at the Joint meeting of the British Geriatric Society and the European Delirium Association between the 3rd and 4th of September 2015
161. NSNS Meeting Presentation at Nnewi, Southeast Nigeria, 2015
162. **Owolabi MO**, Tamer E, Vincent-Onabajo GO, Awoniyi E, Olukolade O, Moranti K, Uvere E, Nwankwo KO. Changing Trend in need for Neurorehabilitation in Africa- a SCOTA analysis. Abstract presented at the Istanbul WCNR 2014
163. **Owolabi MO**, Vincent-Onabajo GO, Awoniyi E, Olukolade O, Moranti K and Uvere E. New developments in Neurorehabilitation: applicability of the evidence in developing countries. Abstract presented at the Istanbul WCNR 2014
164. **Owolabi MO**, Awoniyi E, Olukolade O, Moranti K, Uvere E. Assessment of Quality of Life in Patients with Neurological Diseases. Abstract presented at the Istanbul WCNR 2014
165. **Owolabi MO**, Atinuke M, Agunloye AAN. Risk factors more associated with ischemic rather than hemorrhagic stroke in black Africans: implications for epidemiologic transition. 66th Conference of the American Academy of Neurology. April 26 to May 3, 2014. Pennsylvania Convention Center, Philadelphia USA. 2014 CNN paper
166. Akinyemi RO, Allan L, **Owolabi MO**, Akinyemi JO, Ajani A, Ogunniyi A, Kalaria RN. Profile and Predictors of Vascular Cognitive Impairment in African Stroke Survivors: The CogFAST – Nigeria study. VasCOG 2013 Conference in Toronto Canada, 25 -28 June 2013.
167. **Owolabi MO**. IDEAS Interventions Designed to Eliminate & Solve Stroke Disparities November 20-21 2013, Bethesda, Double Tree Hotel. USA
168. **Owolabi MO**. Challenges of Neurorehabilitation in SubSaharan Africa: we must set forth at dawn. [Platform] 7th World Congress for Neurorehabilitation, May 16 to 19, 2012, Melbourne Australia.
169. **Owolabi MO**. Impact of stroke on health-related quality of life in diverse cultures: the Berlin-Ibadan multicenter international study. [Platform].7th World Congress for Neurorehabilitation, May 16 to 19, 2012, Melbourne Australia.
170. **Owolabi MO**. Psychometric Properties of the HRQOLISP-40: a novel, shortened multi-culturally valid holistic stroke measure. [Poster]. 7th World Congress for Neurorehabilitation, May 16 to 19, 2012, Melbourne Australia.

171. Ezunu EO, Ogunniyi A, **Owolabi MO**. Epilepsy care in Nigeria: Factors influencing default. 15th Congress of the European Federation of Neurological Societies, Budapest, Hungary, from 10-14 September 2011.
172. **Owolabi MO**. Summative Cardiovascular Risk Load Correlates Better to the Severity of Diabetic Peripheral Neuropathy than HbA1c" 63rd Annual Meeting of the American Academy of Neurology April 10 to 16, 2011, Hawaii, USA. Not physically present.
173. **Owolabi MO**, Ipadeola A, Adeleye J. Is Clinically Diagnosed Diabetic Peripheral Neuropathy Predominantly Metabolic or Vascular in Origin? 62nd Annual Meeting of the American Academy of Neurology. April 10 to April 17, 2010. Toronto, Canada. Not physically present.
174. **Owolabi MO**. HRQOLISP is more valid than SF-36 for stroke. 6th World Congress for Neurorehabilitation. March 21 to 25, 2010. Vienna, Austria.
175. **Owolabi MO**. Determinants of specific and generic post-stroke HRQOL. 6th World Congress for Neurorehabilitation. March 21 to 25, 2010. Vienna, Austria.
176. Fawale MB, **Owolabi MO**, Ogunniyi A. Seizure status and health-related quality of life. 19th World Congress of Neurology October 24th to 30th, 2009. BITEC, Bangkok, Thailand.
177. Shokunbi WA, Iwara KU, **Owolabi MO**. IgA myeloma: a case report. Ibadan 2009. 18th to 21st August 2009. 37th Scientific and Annual General Meeting of the Nigerian Society for Hematology and Blood transfusion.
178. Shokunbi WA, Iwara KU, **Owolabi MO**. Transverse sinus thrombosis and bilateral internal jugular vein thrombosis in a 65-year-old man. Ibadan 2009. 18th to 21st August 2009. 37th Scientific and Annual General Meeting of the Nigerian Society for Hematology and Blood transfusion.
179. **Owolabi MO**. Comparative analysis of the seed of life model and the philosophies of Descartes, Spinoza and Leibniz: examining the mind-brain puzzle and programming. Neuroscience 2008. November 15 to 19, 2008. Washington Convention Center Hall. Washington DC.
180. **Owolabi, M.O**. Racial disparity in stroke risk factors: the Berlin-Ibadan experience. Ehrlich2nd World Conference on Magic Bullets October 3 - 5, 2008. Nurnberg, Germany.
181. **Owolabi, M.O**. Modelling QOL measures after the model of life: presenting the 'egg of life' model." 4thInternational Conference on Holistic Health and Medicine, hosted in Lexington, Kentucky USA. Wednesday, September 24, 2008. [oral]
182. **Owolabi, M.O**. Comparative analysis of the egg of life model and the classical ancient philosophies: The Purpose of life. 4th International Conference on Holistic Health and Medicine, hosted in Lexington, Kentucky USA. Thursday, September 25, 2008. [poster]
183. **Owolabi, M.O**. Comparative analysis of the egg of life model and the philosophies of Des Cartes, Spinoza and Leibniz: The Mind-brain puzzle and programming. 4th International Conference on Holistic Health and Medicine, hosted in Lexington, Kentucky USA. Thursday, September 25, 2008. [poster]
184. **Owolabi, M.O**. An application of the egg of life model (EOLM): addressing conceptual difficulties in quality of life (QOL) and explaining the 'disability paradox'. 4th International

Conference on Holistic Health and Medicine, hosted in Lexington, Kentucky USA. Thursday, September 25, 2008. [poster]

185. Akinyemi RO, Owolabi LF, **Owolabi MO**, Akinyemi JO, Ogunniyi A Perception of Stroke among a sample Of Urban Dwellers in southwestern Nigeria: A Preliminary Report. 60th AAN Meeting, Chicago Illinois. 12 to 20th April, 2008. [poster]
186. **Owolabi MO**, Ogbole GI, Lagunju I. Rasmussen Encephalitis in a Nigerian girl. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
187. Ogun OA, Adeyinka A, Agunloye AM, **Owolabi MO**, Shokunbi MT. Visual assessment in a patient with dominant parietal lobe haematoma from a ruptured arteovenous malformation. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
188. Uche EO, **Owolabi MO**, Agunloye AO, Atalabi MA, Shokunbi MT. Vertebral artery occlusion in a young Nigerian male: A case report. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
189. **Owolabi MO**, Taiwo FT, Ogun OA, Oluwole OSA. A 16-year-old Nigerian girl with leuko-encephalopathy: differential diagnosis. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
190. **Owolabi MO**, Ogunniyi A. Episodic vertigo resulting from head rotation in the presence of vascular risk factors and cervical spondylosis. An intriguing quartet? 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
191. Akinyemi RO, Okubadejo NU, Owolabi LF, Akinyemi JO, **Owolabi MO**, Oluwole OS, Ogunniyi A. Non-motor manifestations in Nigerian patients with Parkinson's disease. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
192. **Owolabi MO**, Akinyemi RO, Owolabi LF. Racial impact of stroke risk factors: the Berlin-Ibadan comparative study of stroke patients. A pilot study. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
193. **Owolabi MO**, Akinyemi RO. Proposing the stroke levity scale: a valid, reliable, simple and time-saving measure of stroke severity. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
194. Owolabi LF, Akinyemi RO, **Owolabi MO**, Fadare J, Ogunniyi A. Post stroke epilepsy in Nigeria 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
195. Akinyemi RO, Okubadejo NU, **Owolabi MO**, Akinyemi JO, Owolabi LF, Ogunniyi A. Cognitive dysfunction in Nigerian patients with Parkinson's disease. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
196. Owolabi MO, Taiwo FT, Shokunbi WA. The full neuropsychiatric spectrum of vitamin B12 deficiency in a 48-year-old woman. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]

197. **Owolabi MO**, Taiwo FT, Ogun OA, Oluwole OSA. A 16-year-old Nigerian girl with leukoencephalopathy: differential diagnosis. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
198. Fawale MB, **Owolabi MO**. Bell's palsy in pregnancy and the puerperium: a report of 5 cases. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
199. Fawale MB, **Owolabi MO**. Can a subject's handedness be validly assessed through a proxy? 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
200. Fawale MB, **Owolabi MO**. Agreement between self-reported and questionnaire-determined handedness. 40th Scientific Conference of the Nigerian Society of Neurological Sciences, March 26 to 29th, 2008. [oral]
201. **Owolabi MO**, Ogunniyi A, Akinyemi R. Hypertension and Cerebrovascular Disease. Presented at the Nigerian Hypertension Society Conference, Ile-Ife. 17th to 20th July 2007 [invited lecture].
202. **Owolabi MO**, Akinyemi RO, Ogunniyi A. Binswanger's disease co-existing with possible Normal Pressure Hydrocephalus: Report of a case in a female Nigerian. Poster to be presented at the 3rd Congress of the International Society for Vascular, Cognitive and Behavioural Disorders. Texas, USA, July 2007.
203. Akinyemi RO, **Owolabi MO**, Owolabi LF, Ogunniyi A. Perception of stroke among a sample of urban dwellers in southwestern Nigeria: A preliminary report. Poster to be presented at the 3rd Congress of the International Society for Vascular, Cognitive and Behavioural Disorders. Texas, USA, July 2007.
204. **Owolabi MO**, Ogunniyi A. Mapping Africa's way into prominence in the world map of Neurology. Presented at the Pan African Association of Neurological Sciences (PAANS) Conference, Lagos, Nigeria 2006 [oral].
205. **Owolabi MO**, Akinyemi RO, Owolabi LF, Ogunniyi A. Spinocerebellar ataxia in a family lineage from Southwestern Nigeria. Presented at the PAANS Conference, Lagos, Nigeria 2006 [poster]
206. Akinyemi RO, **Owolabi MO**, Owolabi LF, Ogunniyi A. Frontotemporal Dementia in a female Nigerian. Presented at the PAANS Conference, Lagos, Nigeria 2006 [poster]

Other Invited Speaker at Regional and Institutional Scientific Meetings Scientific Meetings

1. **Owolabi MO**, Ogunniyi A, Akang EU, Ogun, Spontaneous Intracerebral Hemorrhage: Vasculitis or DIC? Presented at the PAANS Conference, Cotonou, Republic of Benin. 2004.
2. **Owolabi MO** General medical problems in the elderly. 2nd Training workshop of African Gerontological Society (AGES) titled 'Geriatric Care and Management'. Sept 05-08, 2007. [oral]
3. **Owolabi MO**. Stroke in the elderly. 2nd Training workshop of African Gerontological Society (AGES) titled 'Geriatric Care and Management'. Sept 05-08, 2007. [oral]

4. **Owolabi MO** Stroke in Africa: the burden, the gaps and the future. Cardiovascular Workshop. Fourth H3 Africa Consortium Meeting Spier, Cape Town South Africa. May 30 to June 2. 2014
5. **Owolabi MO** Welcome Address. Cardiovascular Workshop. Fourth H3Africa Consortium Meeting Spier, Cape Town South Africa. May 30 to June 2. 2014
6. **Owolabi MO** et al, SIREN. Third H3 Africa Consortium Meeting. Oct 3 to 5, 2013. Sandton, South Africa.
7. **Owolabi MO.** Integrating pillars of the stroke quadrangle into stroke rehabilitation: risk factors identification and secondary prevention: Invited Speaker, SANRA /SASCA Johannesburg, South Africa, August 23 to 25, 2018
8. **Owolabi MO.** Quality of life in stroke patients: measurements, profile and predictors. Invited Speaker, SANRA /SASCA Johannesburg, South Africa, August 23 to 25, 2018
9. **Owolabi MO.** Concepts of improving access to NeuroRehabilitation care in Africa: Invited Speaker, SANRA /SASCA Johannesburg, South Africa, August 23 to 25, 2018
10. **Owolabi MO., --** Unravelling Stroke among People of African Ancestry. African Research Universities Alliance (ARUA) Launch. Research in Africa Rising” Dates: 3-4 April 2017. Venue: ISSER, University of Ghana.
11. Ojagbemi, **Owolabi, M.** Delirium In The First Week After Stroke In Survivors Managed In A Poorly-resourced World Psychiatry Association International Congress in Cape Town, November 2016 (oral presentation).
12. **Owolabi MO.** H3 Africa 2014 Cape Town, Spier Hotel Stellenbosch. May 29 to June 2, 2014. Co-chair of session on harmonization of H3 Africa teams and tools
13. **Owolabi MO,** Moderator, Nigerian Academy of Sciences in collaboration with Academies of Sciences in West Africa: Symposium on COVID 19. October 15, 2020
14. **Owolabi MO** World Hypertension Day Global HEARTS Hypertension control projects and planned/ongoing activities in Africa. October 17, 2020
15. NHLBI Data Science Africa Initiative Symposium: Innovations in Health Metrics Sciences: Measuring, Mapping, and Monitoring Morbidity and Mortality at the Regional, National, and Local Levels in Africa” scheduled for Wednesday October 21, 2020 at 10:30 am EDT | 5:30 pm EAT
16. **Owolabi MO** 12th Regional Teaching Course in sub-Saharan Africa. Venue Virtual – Uganda September 10 – 11, 2021. Draft programme. Overarching theme: Neurology in SSA: Nuances and commonalities. Stroke recovery and improving post stroke quality of life. WSO

17. Sarfo F. **Owolabi MO** Novel insights into the determinants of stroke risk and outcome in Africa: SIREN-SIBS Genomics studies. 18th H3Africa Consortium Meeting. 30 August to 1st September, 2021
18. Okekunle A. **Owolabi MO** Unravelling the effect of diet on stroke and cardiovascular diseases in Africa. 18th H3Africa Consortium Meeting. 30 August to 1st September, 2021
19. **Owolabi M.** The working plan to implement the "WHL call to action for hypertension control": Nigeria as an Example. 23rd Annual Scientific Meeting of the Egyptian Hypertension Society. Hypertension Update- Reshaping of the Future. 19-20 May, 2021. Ramse Hilton, Cairo, Egypt.
20. **Owolabi MO** Taking the pressure off –how a prevention focus can reduce hypertension and stroke and support healthcare system strengthening World Hypertension Day Joint Panel Event (WSO, WHL, ISH) May 20th 2021 4pm CET Prof Mayowa Owolabi, World Hypertension League, Regional Director, Sub-Saharan Africa & World Stroke Organization Global Policy Committee
21. Akinkunmi Paul OKEKUNLE¹¶, Onoja Matthew AKPA, Rufus AKINYEMI, Fred SARFO, Godwin OGBOLE, Albert AKPALU, Kolawole WAHAB, Reginald OBIKO, Morenikeji KOMOLAFE, Bimbo FAWALE, Lukman OWOLABI, Bruce OVBIAGELE, **Owolabi MO** Is Sedentary Lifestyle a critical Driver for Hypertension Burden in Sub-Saharan Africa? – Evidence from a Community-based population in Ghana and Nigeria. European Society of Cardiology ESC Preventive Cardiology 2021 online congress 15 - 17 April 2021.
22. **Owolabi M** Key Features of Stroke Rehabilitation. African Post-Stroke Care (Neuro-Rehab Program). Cairo Marriott Hotel (Fri. 2nd April 2021)
23. **Owolabi MO.** Diagnosis and Treatment Cerebrovascular Diseases. Workshop On Neurological and Mental Disorders In Older Adults Taking Place At The Neuropsychiatric Hospital, Yaba, Lagos. July 15-16. 2014.
24. **Owolabi MO** Grantsmanship: How to make an impression on Funders. University of Lagos, Nigeria 2020

SOCIAL MEDIA HANDLES

LinkedIn: <https://www.linkedin.com/in/mayowa-owolabi-drm-dsc-faan-faha-frcp-fas-faas-92a57648>

Twitter: @mayowaoowolabi

HOBBIES/INTERESTS/SELECTED COMMUNITY SERVICES

Philosophy serves as my compass in navigating life's complex questions, delving into the depths of existence, the universe, human beingness, and spirituality. The pursuit of wisdom and understanding through philosophical discourse brings a profound sense of introspection and intellectual curiosity, shaping my perspective on the world.

Spirituality intertwines seamlessly with my quest for deeper meaning, offering solace and connection to a higher realm. Exploring spiritual teachings, practices, and meditation serves as a pathway to inner peace, mindfulness, and a profound sense of interconnectedness with the universe.

Movies are my gateway to diverse narratives, emotions, and experiences. Whether indulging in thought-provoking classics or immersive blockbusters, the cinematic world fascinates me with its storytelling prowess. Each film offers a unique lens into humanity, evoking emotions, sparking contemplation, and often serving as a source of inspiration.

In the realm of sports, lawn tennis fuels my passion for physical activity and strategic gameplay. The dynamic nature of the sport, its blend of athleticism and mental agility, captivates me. The thrill of each match, the precision in each stroke, and the strategic maneuvers on the court ignite a competitive spirit and a drive for continuous improvement.

These diverse interests harmonize to form the fabric of my life, offering a balanced blend of intellectual exploration, spiritual growth, cultural immersion, and physical vitality. Each pursuit contributes uniquely to my journey, shaping my values, broadening my horizons, and nurturing a holistic approach to experiencing the richness of life.

COMMUNITY SERVICES AND IMPACT

1. ACUTE CARE STROKE SERVICES: He has promoted the delivery of expert services for acute care of stroke in the Neurology Unit of the University College Hospital Ibadan, where he also trains medical students and resident doctors.

2. NEURO- REHABILITATION: He pioneered the establishment of the first neurorehabilitation center in East West and Central Africa. The Center has treated over 1000 patients with neurological disabilities in the subregion. <http://www.blossom.org.ng/>

3. STROKE ADVOCACY: Al Jazeera Interview: Aljazeera conducted a Special Focused Interview Documentary on SIREN detailing the ground-breaking work being undertaken in illuminating the contributions of genetic factors to stroke causation among African subjects and capacity building of emerging scientists from Africa. Footage of the interview by Colin Baker producer and cameraman from Al Jazeera TV on Stroke and Genetics was aired on the 25/12/2016. This was facilitated by H3Africa/NIH who made the link. The process of SIREN phenomics and genomics and the usefulness of genetic studies in relation to stroke was discussed. A patient was followed from recruitment phase through sample collection, physiotherapy and family education. A lively discussion ensued discussing the sites, personnel, numbers of cases and controls and funding agencies NIH/ H3 Africa as well as the implications of our results and capacity building. The feedback has been encouraging and we consider this as one of the broader impacts SIREN has made through community engagement and advocacy, now on a global scene.

We thank the NIH for facilitating this wonderful opportunity.
<https://www.youtube.com/watch?v=JaBV7qPvHeI&sns=tw>

4. STROKE LITERACY AND SCREENING FOR RISK FACTORS THROUGH COMMUNITY SERVICES:

The Community Engagement (CE) within SIREN has focused on three-pronged activities – constitution and interaction with Community Advisory Board (CABs), conducting Focus Group Discussions (n=27) and community education and outreach programs (n=88). Over 10 000 individuals have received education on cardiovascular risk factors and over 8,000 have been screened for cardiovascular risk factors during the outreaches thus far. The CABs provided stakeholder input into SIREN activities and facilitated collaborations among investigators, community members and stakeholders. The CE core within SIREN is a first-of-its kind public outreach engagement initiative to evaluate and address perceptions about stroke and genomics by patients, caregivers, and local leaders in SSA and has implications as a model for assessment in other high stroke risk populations. Stroke Dance Video: Entertaining award-winning SIREN dance describing some features of stroke which he uses to educate youths on how to recognize symptoms of stroke.

5. SECONDARY STROKE PREVENTION: He pioneered the use of text messaging, stroke educational videos (3 different languages) for secondary stroke prevention. This is based on the knowledge of barriers and facilitators of risk factor control, obtained from the qualitative phase of the THRIVES study. He has also conducted workshops to train non-neurologist health workers on the identification, emergency care and referral of stroke patients using the educational video which also has sections on stroke recognition and care systems.

6. COORDINATED SERVICES FOR STROKE: THE STROKE QUADRANGLE. His contributions to knowledge of stroke epidemiology include the identification of risk factors for stroke and post-stroke cognitive disorder among Africans. The knowledge of the established risk factors as well as the new ones he has unravelled is being used to design stroke prevention programs for the continent. As a solution to the escalating burden of stroke on the continent he proposed and is leading the implementation of the stroke quadrangle comprising stroke epidemiological surveillance and research network, prevention, acute care and rehabilitation.

7. STROKE PREVENTION AND CONTROL BILL. He is engaging the Oyo State House of Assembly to facilitate research uptake and policies to improve stroke control in Nigeria. The bill will be presented to the House in July 2018. The bill covers all aspects of the stroke quadrangle and will improve stroke services in the country.

8. PUBLIC COMMUNICATION: He has consistently published and disseminated cardiovascular health and preventive messages using social, print, electronic, audio visual channels. Highlighted below are some of his publications on cardiovascular health and advocacy on neurorehabilitation. Below are some of the print media publications.

Website Links

- a. <http://tribuneonlineng.com/stakeholders-solicit-establishment-rehabilitation-services/>
- b. http://www.ngrguardiannews.com/index.php?option=com_content&view=article&id=87712:first-centre-for-neuro-rehabilitation-in-east-west-and-central-africa&catid=93:science&Itemid=608

- c. <http://tribune.com.ng/index.php/your-health/37613-neuro-rehabilitation-boosting-quality-of-life-in-epilepsy-stroke>
- d. <http://tribune.com.ng/index.php/health-news/38458-expert-makes-case-for-stroke-victims-rehabilitation>
- e. <http://tribune.com.ng/news2013/en/health-news/item/13641-centre-to-boost-quality-of-life-of-stroke-patients.html>
- f. <http://tribune.com.ng/health-news/item/8947-don-t-take-early-warning-signs-of-stroke-lightly-experts/8947-don-t-take-early-warning-signs-of-stroke-lightly-experts>
- g. <http://www.tribune.com.ng/news2013/index.php/en/health-news/item/22465-study-to-unveil-best-way-to-prevent-stroke-in-nigeria.html>
- h. <http://www.tribuneonline.ng.com/daily-intake-of-green-leafy-vegetable-prevents-stroke-expert/>
- i. <https://www.cnn.com/2023/10/10/health/stroke-death-report/index.html>
- j. <https://youtu.be/KWHpEtfbHL0>
- k. www.thelancet.com/commissions/global-burden-stroke
- l. Prof. Mayowa Owolabi's conversation with Mark P. Mattson, Ph.D. of the Department of Neuroscience, Johns Hopkins University, School of Medicine, host of the Brain Ponderings Podcast on the **"Strategies for Reducing Global Burden of Neurological Disorders"** Spotify: <https://open.spotify.com/show/39HsoeK8o7DtXIhepNCvfL>
YouTube: <https://www.youtube.com/@brainponderingswithmarkmat648/videos>