



PROF OLAOLUWA PHEABIAN AKINWALE

Deputy Director-General

Nigerian Institute of Medical Research (NIMR), P.M.B. 2013, Yaba, Lagos State, Nigeria.

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Technical Adviser to the World Health Organization on Neglected Tropical Diseases

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EDUCATIONAL BACKGROUND

Institutions attended with dates

Ahmadu Bello University, Zaria, Nigeria (1993 – 1998)

The University of Ife (Now Obafemi Awolowo University), Ile-Ife, Nigeria (1985 – 1987)

The University of Ife (Now Obafemi Awolowo University), Ile-Ife, Nigeria (1978 – 1982)

Qualifications obtained with dates

Doctor of Philosophy, Zoology (Specialization - Parasitology), August 1998

Master of Science, Zoology (Specialization – Parasitology), February 1987

Bachelor of Science (Zoology), August 1982

Certificate courses attended with dates

- Control strategies for infectious and non-communicable diseases. KIT Royal Tropical Institute, Amsterdam, The Netherlands, 2015.
- Fourth International Association of Public Health Institutes (IANPHI) Summer School. National Institute for Health and Welfare (THL), Helsinki, Finland, 2010.
- Advanced Methods for Phylogenetic Analysis of Molecular Sequences. Research Institute of Rio de Janeiro, Rio de Janeiro, Brazil, 2009.
- Wellcome Trust Open Door Workshop (Working with the Human Genome Sequence). Kenya Medical Research Institute, Kilifi, Kenya, 2007.
- Bioinformatics and Comparative Genome Analysis Course. Institut Pasteur Tunis, Tunisia, 2007
- The New England Biolabs Molecular Biology Summer Workshop. Smith College, Northampton, Massachusetts, USA, 2006.
- Research Methods Course in Sexual and Reproductive Health. Reproductive Health and HIV Institute, University of the Witwatersrand Johannesburg, South Africa, 2005.

PREVIOUS AND PRESENT POSITIONS HELD WITH DATES

- NYSC Science Teacher, Timi Agbale Grammar School, Ede, Oshun State, 1982-1983.
- Research Officer 1, Nigerian Institute for Trypanosomiasis Research, Kaduna. 1988–1991.
- Senior Research Officer, Nigerian Institute for Trypanosomiasis Research, Kaduna. 1991-1994.

- Principal Research Officer, Nigerian Institute for Trypanosomiasis Research, Kaduna. 1994-1998.
- Research Fellow 1, Nigerian Institute of Medical Research, Lagos. 1998–2000.
- Senior Research Fellow, Nigerian Institute of Medical Research, Lagos. 2001-2003.
- Chief Research Fellow, Nigerian Institute of Medical Research, Lagos. 2004-2007.
- Deputy Director (Research), Nigerian Institute of Medical Research, Lagos. 2008-2013.
- Director of Research (Neglected Tropical Diseases), 2013 – Present.

PRIZES, DISTINCTIONS/AWARDS OBTAINED

A. Training Fellowships and Conference/Meeting Travel Grants

1. World Health Organization (WHO) Travel bursary, Yaoundé, Cameroon, 2022.
2. Armauer Hansen Research Institute Travel bursary, Addis Ababa, Ethiopia, 2022.
3. EDCTP Network meeting Travel Bursary, Addis Ababa, Ethiopia, November 2019.
4. World Health Organization (WHO) Travel bursary, Yaoundé, Cameroon, 2019.
5. World Health Organization (WHO) Travel bursary, Geneva, Switzerland, 2017.
6. Symposium for International Research and Innovations in Schistosomiasis Travel Bursary, USA, 2016.
7. African Research Network for Neglected Tropical Diseases (ARNTD) Travel Award, Malawi, 2015
8. WIPO RE: Search Travel Bursary, Geneva, Switzerland, 2015
9. The Netherlands Fellowship Programme (NFP), Amsterdam, the Netherlands, 2015.
10. Gordon Research Conferences Bursary, Galveston, Texas, USA, 2015.
11. United Nations Development Programme Travel Bursary, New York, USA, 2014.
12. Bernhard Nocht Institute for Tropical Medicine Travel Grant, Hamburg, Germany, 2014.
13. TWAS-USM Visiting Researcher Fellowship Award (FR number 3240255153), Penang, Malaysia, 2012.
14. Nigerian Branch of South African Cochrane Centre Training Scholarship, Calabar, Nigeria, 2012.
15. National Science Council, Taiwan, Guest Lectureship Travel Bursary, Taipei, Taiwan, 2011.
16. National Science Council, Taiwan, Guest Lectureship Award, Taipei, Taiwan, 2011.
17. International Society for Urban Health (ISUH) Travel Scholarship, Belo Horizonte, Brazil, 2011.
18. International Society for Urban Health (ISUH) Travel Scholarship, New York, USA, 2010.
19. International Congress of Parasitology (ICOPA) Travel Award, Melbourne, Australia, 2010
20. International Association of National Public Health Institutes (IANPHI)/National Institute for Health and Welfare (THL) Travel Grant, Helsinki, Finland, 2010.
21. International Society for Urban Health (ISUH) Travel Award, Kenya, 2009.
22. European Molecular Biology Organization (EMBO) Training Fellowship, Rio de Janeiro, Brazil, 2009.
23. Wellcome Trust Open Door Workshop Training Fellowship, Kilifi, Kenya, 2007.
24. European Molecular Biology Organization (EMBO) Training Fellowship, Tunis, Tunisia, 2007.
25. New England Biolabs Molecular Biology Training Fellowship, Massachusetts, USA, 2006.
26. International Network of Women Engineers and Scientists Travel Award, Seoul, South Korea, 2005
27. University of Witwatersrand Training Fellowship, South Africa, 2005
28. World Health Organization/TDR Travel Bursary, Thailand (2005)
29. International Organization for Chemical Sciences and Development Travel Fellowship, Belgium, 2004.
30. Commonwealth Science Council (CSC) Training Fellowship, United Kingdom, 2003.

B. Research and Equipment Grant Awards

1. German Research Foundation (Deutsche Forschungsgemeinschaft) Grant for Initiation of International Collaborations (2022-2023). Project No. 508752744. Role: **Co-Principal Investigator**.
2. Nigerian Institute of Medical Research Grant Award 2022-2024 (Grant No. 5NM-ADJGT-22-0081). Role: **Co-Principal Investigator**.
3. Nigerian Institute of Medical Research Grant Award 2021-2023 (Grant No. 3NMG-SRGT-20-0055). Role: **Principal Investigator**.
4. National Institute for Health Research (NIHR), Department of Health and Social Care (DHSC)/RSTMH Small Grants Programme 2021-2022. Role: **Supervisor**.
5. Royal Society of Tropical Medicine and Hygiene (RSTMH) Small Grants Programme 2021-2022. Role: **Supervisor**.

6. Nigerian Institute of Medical Research Grant Award 2021-2022 (Grant No. 3NM-JRGT-20-0051). Role: **Co-Investigator/Supervisor.**
7. United Kingdom's Foreign, Commonwealth, and Development Office (FCDO) African Researchers' Small Grants Program 2021-2022. Role: **Co-Investigator/Supervisor.**
8. The END Fund Pilot NTD Prevention Project Monitoring and Evaluation Grant, 2019-2020. Role: **Principal Investigator/Consultant.**
9. Universiti Teknologi Mara (UiTM) Malaysia Long-term Research Grant Scheme 2018-2021 [Grant No. 600-IRMI/LRGS 5/3 (0003/2016)]. Role: **Co-Principal Investigator.**
10. Nigerian Institute of Medical Research Grant Award 2017-2018 (Grant No. 1NIMRGA0002-17-01). Role: **Principal Investigator.**
11. Laureus Sport for Good Foundation Research Grant, 2017-2018. Role: **Principal Investigator/Consultant**
12. German Leprosy and TB Relief Association (GLRA)/Kindermissionswerk Aachen Equipment Grant, 2017. Role: **Principal Investigator.**
13. Tertiary Education Trust Fund (TETFUND) Institutional-Based Research Grant, Nigeria (Grant Number FUNAI/FST/15/BI/004). 2015-2016. Role: **Co-Principal Investigator.**
14. UNICEF/UNDP/World Bank/WHO/Special Programme for Research and Training in Tropical Diseases (TDR). Impact Grant (Project ID No. 235553) (2015-2016). Role: **Principal Investigator.**
15. Special Olympics HIV/Malaria Program Evaluation Grant, 2015-2016. Role: **Principal Investigator/Consultant.**
16. United States National Science Foundation Research award (Award Number: 1516340). 2014-2016. Role: **Collaborator.**
17. Systematics Research Fund by the Linnean Society/Systematics Association, UK. 2012-2013. Role: **Principal Investigator.**
18. International Association of National Public Health Institutes (IANPHI) (Award No. 6-38223-G1). 2010-2012. Role: **Principal Investigator/Project Director.**
19. Systematics Research Fund by the Linnean Society/Systematics Association, UK. 2008-2009. Role: **Principal Investigator.**
20. UNICEF/UNDP/World Bank/WHO/Special Programme for Research and Training in Tropical Diseases (TDR). Collaborative Research Project Grant (Project ID No. A60251). 2006-2007. Role: **Co-Principal Investigator.**
21. UNICEF/UNDP/World Bank/WHO/Special Programme for Research and Training in Tropical Diseases (TDR). Project Development Grant (Project ID NO. A41061), 2005-2006. Role: **Principal Investigator.**

INTERNATIONAL AND NATIONAL RESEARCH AND TEACHING EXPERIENCES

- Visiting Professor, Advanced Medical and Dental Institute (AMDI), Universiti Sains Malaysia (USM), Penang, Malaysia, 2022-2023.
- Visiting Professor, Biology Department, Faculty of Basic Medical and Applied Sciences, Lead City University, Ibadan, Nigeria, 2019 - Present.
- Visiting Professor/Doctoral Thesis Assessor, Department of Preventive Medicine, Faculty of Public Health, University of Debrecen, Hungary, 2019 – 2020.
- Visiting Researcher, Advanced Medical and Dental Institute, Universiti Sains Malaysia Penang, Malaysia, 2012.
- Visiting Professor, Department of Parasitology, Taipei Medical University Taipei, Taiwan, 2011-2014, 2021-2024.
- Visiting Researcher, Wolfson Wellcome Biomedical Laboratories, Zoology Department, Natural History Museum London UK, 2009.
- Visiting Researcher, Wolfson Wellcome Biomedical Laboratories, Zoology Department, Natural History Museum London UK, 2008.
- Visiting Researcher, Wolfson Wellcome Biomedical Laboratories, Zoology Department, Natural History Museum London UK, 2007.
- Research Trainee, Laboratório de Imunologia Celular e Molecular, Centro de Pesquisas René Rachou Fundação Oswaldo Cruz, FIOCRUZ Belo Horizonte Brazil, 2006.
- Commonwealth Science Research Trainee, Wolfson Wellcome Biomedical Laboratories, Zoology Department, Natural History Museum London UK, 2003.

POSTGRADUATE STUDENTS' SUPERVISION (PAST AND ONGOING)

MSc

1. Kareem Issa Ishola - Department of Zoology, University of Ilorin, Nigeria. MSc Thesis (2019) - Molecular characterization of *Bulinus* species and its parasite infectivity rate.
2. **Bayegun Adedotun Ayodeji** - Department of Pure and Applied Zoology, Federal University of Agriculture, Abeokuta, Nigeria. MSc Thesis (2021) - Geospatial distribution and molecular characterization of *Schistosoma* hybrid system in Ogun State, southwestern, Nigeria.
3. Timothy Ejike Nwafor – Department of Cell Biology and Genetics, University of Lagos. MSc Thesis (2022) - Detection of *Mycobacterium ulcerans* by real-time PCR and in-silico identification of novel drug target for Buruli ulcer.

PhD

1. Adeleke Monsuru Adebayo – Department of Biological Sciences, University of Agriculture, Abeokuta, Nigeria. PhD Thesis (2010) - Bioecology, characterization and transmission indices of *Simulium damnosum* Theobald complex (Diptera: Simuliidae) along Osun River, Southwestern Nigeria.
2. Okere, Ugochi Pearl - Department of Zoology, University of Ibadan, Ibadan, Nigeria. PhD Thesis (2010) – Human schistosome species diversity in Abua/Odual Local Government Area, Rivers State, Nigeria.
3. Hassan Abdul Wasiu Oladele - Department of Biological Sciences, University of Agriculture, Abeokuta, Nigeria. PhD Thesis (2013) - Ecological and molecular studies of urinary schistosomiasis in school children around Erinle and Eko-Ende Dams, Oshun state, Nigeria.
4. Ajayi Babashola - Department of Biological Sciences, University of Agriculture, Abeokuta, Nigeria. PhD Thesis (2014) – Prevalence of urinary schistosomiasis and molecular identification of snail intermediate hosts in parts of Ogun State, Nigeria.
5. Gyang Pam Vincent – Department of Parasitology, College of Medicine, Taipei Medical University, Taipei, Taiwan. PhD Thesis (2015) - Epidemiology of neurophilic parasitic infections among school children in Lagos Nigeria and the evaluation of merthiolate-iodine-formalin (MIF) technique for the detection of intestinal helminthes.
6. Ukam Oyene - Department of Zoology and Environmental Biology, University of Calabar, Calabar, Nigeria. PhD Thesis (2016) - Study of Malaria Management Practices and Care Seeking Behaviour in Calabar Metropolis and Ugep in Cross River State, Nigeria.
7. Oso Opeyemi Gbenga - Department of Zoology, Faculty of Science, University of Ibadan, Nigeria. PhD Thesis (2016) - Ecology and population dynamics of freshwater snails in schistosomiasis endemic areas of Yewa North LGA, Ogun State, Nigeria.
8. Sunday Ojo Joseph - Department of Zoology, University of Ilorin, Nigeria. PhD Thesis - Epidemiology of Urinary schistosomiasis and ecology of the freshwater intermediate snail host in Kwara State, Nigeria.
9. Adewale Oke – Department of Biological Science, College of Natural Sciences, Redeemer's University, Ede, Nigeria. PhD Thesis (2019) – Buruli ulcer epidemiology and organism speciation of *Mycobacterium ulcerans* in Ogun State, Nigeria.
10. Alexander Suzan Ijeoma – Department of Zoology, Faculty of Science, University of Lagos, Nigeria. PhD Thesis - Epidemiology of schistosomiasis (urinary and intestinal) and soil-transmitted helminths in Ogun State, Southwestern Nigeria, and implications of co-infection for disease control.
11. Tokun Oluwatomilola - Department of Pure and Applied Zoology, Federal University of Agriculture, Abeokuta, Nigeria. PhD Thesis - Molecular epidemiology of urinary schistosomiasis and characterization of human and animal infective schistosome species in three endemic areas of Ogun State southwestern Nigeria.
12. Jonathan Joseph - Department of Pure and Applied Zoology, Federal University of Agriculture, Abeokuta, Nigeria. PhD Thesis – Epidemiological study and molecular characterization of *Cryptosporidium* Infections in cattle and nomadic pastoralists in Abeokuta North and Odeda Local Government Areas, Ogun State.
13. Bayegun Adedotun Ayodeji - Department of Pure and Applied Zoology, Federal University of Agriculture, Abeokuta, Nigeria. PhD Thesis (2022) - Geospatial Mapping and Molecular Characterization of Human

and Animal Schistosomiasis in Putative Hybrid Zones in Ogun State, Nigeria.

POSTGRADUATE TEACHING EXPERIENCE

- Diagnostic Parasitology (ZLY 875/PhD/Medical Students), Department of Zoology, University of Lagos, 2009 - 2010.
- Neglected Tropical Diseases and Healthcare Systems (OT-EGDI-T130/PhD Students). Department of Preventive Medicine, Faculty of Public Health, University of Debrecen, Hungary, 2020.
- Healthcare Systems in Africa. (AOG3672002/Medical students). Department of Preventive Medicine, Faculty of Public Health, University of Debrecen, Hungary, 2020.
- COVID-19 pandemic (OT-EGDI-T136/PhD/Medical Students). Department of Public Health and Epidemiology, Faculty of Medicine, University of Debrecen, Hungary, 2020.

PROFESSIONAL SERVICES/CONSULTANCIES

- German Technical Group (GTZ), 2002
- Special Olympics Skills for life health program, 2015-2016
- Youth Empowerment and Development Initiative (YEDI), Nigeria, 2015-2021
- The END Fund, 2019-2021
- Deloitte and Touche, Nigeria, 2021 – 2022

ON-GOING RESEARCH

1. Enhancing the fundamentals for effective control of Buruli ulcer through sequencing and mutation analysis of drug resistance in the era of the global spread of antimicrobial resistance (**Principal Investigator**).
2. Field validation of a species-specific mitochondrial gene-based molecular assay for differentiating *S. haematobium* from its closely related animal infective schistosome species (**Principal Investigator**).
3. Contextualized strategies to optimize coverage of school-based mass drug administration for soil-transmitted helminths and schistosomiasis control programs in Nigeria (**Co-Investigator/Supervisor**).
4. Epidemiology of *Schistosoma mansoni* in Iwelepe and Ogbere communities in Ogun state and evaluation of sensitivity and specificity of a point-of-care circulating cathodic antigen rapid test kit in urine (**Co-Investigator/Supervisor**).
5. Female genital schistosomiasis: Association with cervical cancer in Nigeria (**Supervisor**).
6. Molecular epidemiology and characterization of human and animal schistosomiasis in a putative hybrid zone in Ogun state, Nigeria (**Supervisor**).
7. Understanding the Burden of Neurocysticercosis and Neurotoxocariasis among persons with Epilepsy in Nigeria: Epidemiological Study **Co-Principal Investigator**).
8. Development and Optimization of Black fly traps for Onchocerciasis Elimination Surveillance and vector control (**Collaborator**).

SCIENTIFIC PUBLICATIONS

- Mohd Nur Fakhruzzaman Noorizhab, Norzuliana Zainal Abidin, Lay Kek Teha, Wai Feng Lim, Thean Hock Tang, Nneka Onyejebu, Chioma Kunle-Ope, Nwanneka E. Tochukwu, Michael A. Sheshi, Timothy Nwafor, **Olaoluwa P. Akinwale**, Ahmad Izuanuddin Ismail, Norazmi Mohd Nor, Mohd Zaki Salleh (2023). Exploration of the Diversity of Multi-drug Resistant *Mycobacterium tuberculosis* Complex in Nigeria using WGS: Distribution of Lineages, Drug Resistance Patterns and Genetic Mutations. Tuberculosis (Elsevier) Journal. <https://doi.org/10.1016/j.tube.2023.102343>.
- Adedotun Ayodeji Bayegun, Olaitan Olamide Omitola, Uche Cynthia Umunnakwe, Adedayo Foluke Akande, **Olaoluwa P. Akinwale**, Hamed Oladeji Mogaji, Kehinde O. Ademolu, Pam Vincent Gyang, Nnayeri Simon Odoemene, Russell John Stothard, Uwem Friday Ekpo (2022). Morphometric analysis of Schistosome eggs recovered from human urines in communities along the shoreline of Oyan Dam in Ogun State, Nigeria. Journal of Helminthology. Doi: 10.1017/S0022149X22000815.

- Marion E, Hycenth N, Vedithi SC, Robbe-Saule M, Donkeng V, Ganlonon LM, Dissou A, Ngazoa SK, Kabedi MJ, Mabika Mabika A, Phillips R, Frimpong M, Yeboah-Manu D, Walker VY, **Akinwale O**, Issaka M, Bretzel G, Asiedu K, Eyangoh S. (2022). A combined effort of 11 laboratories in the WHO African region to improve quality of Buruli ulcer PCR diagnosis: The "BU-LABNET". *PLoS Negl Trop Dis.* 2022 Nov 4;16(11):e0010908. doi: 10.1371/journal.pntd.0010908. Epub ahead of print. PMID: 36331971.
- **Akinwale, O. P.**, Emmanuel, R. T., Ajiboso, I. K., and Tokun, O. (2022). Barriers and Facilitators to Career Advancement of Women in Infectious Diseases of Poverty Research in Nigeria. *Journal of Gender, Culture and Society*, 2(2), 20–23. <https://doi.org/10.32996/jgcs.2022.2.2.3>
- Adeneye AK, **Akinwale OP**, Ezeugwu SMC, Olukosi YA, Adewale B, Sulyman MA, Okwuzu J, Mafe MA, Gyang PV, Soyinka FO, Nwafor T, Henry UE, Musa BD, Adelokiki AO, Bisiriyu AH and Idowu FK (2022). Knowledge and Perception of Buruli ulcer in Communities of Two Endemic Local Government Areas of Ogun State, Nigeria. *Annals of Public Health and Epidemiology*. DOI: 10.33552/APHE.2022.02.000526.
- Oke AA, Komolafe I, **Akinwale OP**, Oni ES, Mohammed F, and Oke AJ. (2022). Molecular detection of *Mycobacterium ulcerans* strains in Nigeria. *Pathology in Practice* Vol. 23. No. 5: 42-45.
- Ugbomoiko US, Kareem II, Awe DO, Babamale AO, Gyang PV, Nwafor TE, **Akinwale OP**. (2022). Characterization of freshwater snail intermediate hosts of schistosomes in four communities from Osun State, Southwest Nigeria. *One Health Implement Research* 2:88-95. <http://dx.doi.org/10.20517/ohir.2022.05>.
- Olaniran Olarinde, Oluyomi A. Sowemimo, Ting-Wu Chuang, Chia-Mei Chou, Segun O. Olanmi, Kemisola Ikotun, **Olaoluwa P. Akinwale**, Vincent P. Gyang, Timothy Nwafor, Adeola Y. Olukosi, Jer-Hwa Chang & Chia-Kwung Fan (2022) *Toxoplasma gondii* infection: seroprevalence and associated risk factors for women of childbearing age in Osun State, Nigeria, *Pathogens and Global Health*, 116:1, 59-65, DOI: 10.1080/20477724.2021.1949193.
- Susan I. Alexander, Timothy S. Nwafor, Pam V. Gyang, Emmanuel T. Idowu, **Olaoluwa P. Akinwale** (2021). Prevalence of Urogenital Schistosomiasis and its Implication on Control Efforts among School Pupils in Ogun State, Southwest Nigeria. *Pan African Journal of Life Sciences* Vol. 5. No. 3: 335-341. DOI: 10.36108/pajols/1202.50.0350.
- **Olaoluwa Phebian Akinwale**, Pam Vincent Gyang and Morakinyo Bankole Ajayi (2021). Microsatellite (D9S905) instability in two urogenital schistosomiasis patients with abnormal squamous cells in the urine. *Pan African Journal of life Sciences* Vol. 5. No. 3: 329-334. DOI: 10.36108/pajols/1202.50.0340.
- Vincent P. Gyang, Timothy Nwafor, Susan I. Alexander, Adewale Oke, **Olaoluwa P. Akinwale** (2021). Diagnosis of Buruli ulcer disease in Nigeria using IS2404-Based Nested PCR. *Pan African Journal of Life Sciences* Vol. 5. No. 1: 181-187. DOI: 10.36108/pajols/1202/50.0120.
- Ikotun, K., Sowemimo, O., Chou, C.M., Ajenifuja, K., Chuang, T.W., Asaolu, S., **Akinwale, O.**, Gyang, V., Nwafor, T., Henry, E. and Fan, C.K. (2020). High seroprevalence of *Toxocara* antibodies in pregnant women attending antenatal clinic at a university hospital in Ile-Ife, Nigeria. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. <https://doi.org/10.1093/trstmh/trz116>.
- Oke, A., Komolafe, I., Akinwale, O., Gyang, P., Henry, E. and Nwafor, T. (2020). *Mycobacterium ulcerans* Infection (Buruli ulcer) in Southwest Nigeria. *Journal of Microbiology and Infectious Diseases*, 10 (02) , 82-88 . DOI: 10.5799/jmid.748699.
- Ogochukwu C. Okeke, **Olaoluwa P. Akinwale**, Patience O. Ubachukwu, Pam V. Gyang, Emmanuel U. Henry, Timothy E. Nwafor, Bilkisu M. Daniel, Soweche E. Ebi, Chioma O. Anorue, Christian O. Chukwuka, Mann S.

- Dido. (2019). Report of high prevalence of schistosome infection in *Biomphalaria* snails from a geographic area with no previous prevalence of human schistosomiasis in Nigeria. *Acta Tropica*, <https://doi.org/10.1016/j.actatropica.2019.105326>. Epub 2019 Dec 28.
- Oke, A.A., Komolafe, I.O., **Akinwale, O.P.**, Gyang, P.V., Henry, E.U. and Nwafor, T.E. (2019). *Mycobacterium ulcerans* insertion sequence IS2404 transposase gene, partial cds. <https://www.ncbi.nlm.nih.gov/popset/1839358666?report=genbank>.
 - Ezeh, C.O., Onyekwelu, K.C., **Akinwale, O.P.**, Shan, L., and Wei, H. (2019). Urinary schistosomiasis in Nigeria: a 50-year review of prevalence, distribution and disease burden. *Parasite*. Vol. 26. No. 19: <https://doi.org/10.1051/parasite/2019020>.
 - Gyang, P.V., Chuang, T.W., Liao, C.W, Lee, Y.L., **Akinwale, O.P.**, Orok, A., Ajibaye, O., Ajayi J.B., Cheng, P.C., Chou, C.M., Huang, Y.C., Sonko, P. and Fan, C.K. (2019). Intestinal parasitic infections: current status and associated risk factors among school aged children in an archetypal African urban slum in Nigeria. *Journal of Microbiology, Immunology and Infection* Vol. 52: 106-113. <https://doi.org/10.1016/j.jmii.2016.09.005>.
 - Oke, A.A., Komolafe, I.O., David, A.N. and **Akinwale, O.P.** (2019). Buruli ulcer and HIV co-infection in a Nigerian woman on antiretroviral therapy. *International Journal of Case Reports and Images* Vol. 10: 1-4. DOI: 10.5348/100994Z01AA2019CR.
 - Sunday, O.J., Ugbomoiko, U.S., **Akinwale, O.P.**, Babamale, A.O., Gyang, P.V., Henry, E.U. and Nwafor, T.E. (2019). *Bulinus truncatus* internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence. <https://www.ncbi.nlm.nih.gov/popset/1566171293?report=genbank>.
 - **Olaoluwa Pheabian Akinwale** (2018). Urban Slums in Nigeria: Ensuring Healthy Living Conditions. URBANET. <https://www.urbanet.info/nigeria-lagos-slums-urban-health/>
 - Oke A., Akinola, B., Komolafe, I., **Akinwale, O.** and Olaopa, J. (2018). Buruli ulcer disease in a diabetic patient. *IOSR Journal of Dental and Medical Sciences* Vol. 17. No. 12: 79-80. DOI: 10.9790/0853-1712077980.
 - Sowemimo, O.A., Wu, T.H., Lee, Y.L., Asaolu, S.O., Chuang, T.W., **Akinwale, O.P.**, Badejoko, B.O., Gyang, V.P., Nwafor, T., Henry, E. and Fan, C.K. (2018). *Toxoplasma gondii*: seroprevalence and associated risk factors among preschool-aged children in Osun State, Nigeria. *Transactions of The Royal Society of Tropical Medicine and Hygiene* try083, <https://doi.org/10.1093/trstmh/try083>.
 - OKE, A.A., KOMOLAFE, I.O., **AKINWALE, O.**, GYANG, P., HENRY, E. and NWAFOR, T. (2018). Index Cases of Buruli ulcer Disease in Three States of South-West, Nigeria – A Preliminary Study. *IOSR Journal of Pharmacy and Biological Sciences* Vol. 13. No. 2: 51-56. DOI: 10.9790/3008-1302055156.
 - Okeke, O.C., **Akinwale, O.P.**, Ubachukwu, O.P., Gyang, P.V., Henry, E.U., Nwafor, T.E., Daniel, B.M., Sowechi, E., Anorue, C.O., Chukwuka, C.O. and Dido, S.M. (2018). *Biomphalaria pfeifferi* 5.8S ribosomal RNA gene, partial sequence; internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence <https://www.ncbi.nlm.nih.gov/popset/1230837206?report=genbank>.
 - Abiola, S., **Akinwale, O.**, Dorsey, R. and Kautz, H. (2017). Real-time health activity reporting of citizens in Lagos, Nigeria using mHealth app node. *Journal of Clinical and Translational Science* Vol. 1. No. S1: 41-41. <https://doi.org/10.1017/cts.2017.150>.

- Sowemimo, O.A., Lee, Y.L., Asaolu, S.O., Chuang, T.W., **Akinwale, O.P.**, Badejoko, B.O., Gyang, V.P., Nwafor, T., Henry, E. and Fan, C.K. (2017). Seroprevalence and associated risk factors of *Toxocara canis* infection among preschool children in Osun State, Nigeria. *Acta Tropica* <https://doi.org/10.1016/j.actatropica.2017.05.030>.
- **Akinwale, O.P.**, Adeneye, A.K., Oyefara, J.O., Adejoh, P.E., Musa, Z.A., Oyedeji, K.S.O., Sulyman, M.A. and Adeneye, A.A. (2017). Behavioral Risk Factors for Non-Communicable Diseases in Three Most Populous Nigerian Urban Slums. *Journal of Public Health in Developing Countries* Vol. 3. No. 1: 327-338.
- **Olaoluwa Akinwale**, Adeniyi Adeneye, Sylvanus Ezeugwu, Yetunde Olukosi, Babatunde Adewale, Medinat Sulyman, Margaret Mafe, Jane Okwuzu, Pam Gyang, Timothy Nwafor, Uzoma Henry, Bilkisu Musa and Innocent Ujah (2017). Modifiable risk factors of Buruli ulcer in communities of two endemic Local Government Areas of Ogun State, Nigeria. *BMJ Global Health* Feb 2017, 2 (Suppl 2) A59; DOI: 10.1136/bmjgh-2016-000260.157.
- Obaseki, D.E., Forae, G.D., Iyawe, D.U., **Akinwale, O.** and Obahiagbon, I. (2016). A First Reportable Case of Fatal Granulomatous Amoebic Encephalitis in an Immunocompetent Nigerian Confirmed by Molecular Studies - Polymerase Chain Reaction (PCR). *International Journal of Medicine and Public Health* Vol. 6. No. 3:148-150.
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CONFERENCE PAPERS AND INVITED LECTURES

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- Woghiren, E. O., Adeoye, G. O. and **Akinwale, O. P.** Epidemiological survey of malaria and Loiasis among herdsmen at Oko Oba abattoir, Lagos State. The Nigerian Society for Parasitology 27th Annual National Conference, Lagos, Nigeria, 2003.
- Adeneye, A. K., **Akinwale, O. P.**, Idowu, E. T., Adewale, B., Manafa, O. U., Sulyman, M. A., Omotola, B. D., Akande, D. O., Mafe, M. A. and Appelt, B. Social aspects of drug delivery in schistosomiasis control: The Abeokuta experience. The Nigerian Society for Parasitology 27th Annual National Conference, Abuja, Nigeria, 2002.
- Mafe, M. A., Appelt, E., Mohammed, H., Adedoyin, J. A., Omojola, A., **Akinwale, O. P.**, Manafa, O. U., Adewale, B., Idowu, E. T., and Sulyman, M. A. Urinary schistosomiasis in Niger state. The Nigerian Society for Parasitology 26th Annual National Conference, Abuja, Nigeria, 2002.
- Omotola, B. D., Manafa, O. U., **Akinwale, O. P.**, Idowu, E. T., Sulyman, M., Adeneye, A. K., Akande, D. O. and Mafe, M. A. Comparative antropometric characteristics of school aged children infected with schistosomiasis in selected communities in Ogun state, Nigeria. Nutrition Society of Nigeria book of abstract, 2002.
- **Akinwale, O. P.** Immunology of African trypanosomiasis. The Nigerian Society for Immunology book of abstract, 2000.
- **Akinwale, O. P.**, Nock, H.I. and Esievo, K.A.N. Free serum sialic acid concentrations in Red Sokoto, Sahel and West African dwarf goats experimentally infected with *Trypanosoma vivax*. The Nigerian Society for Parasitology

23rd Annual National Conference, Abubakar Tafawa Balewa University, Bauchi, Nigeria, 1999.

- **Akinwale, O. P.** and Ashaolu, S. O. (1991). The life cycle of *Cyclopodia greeffi* (Karsch), an ectoparasite of the fruit bat *Eidolon helvum* (Kerr). The Nigerian Society for Parasitology 15th Annual National Conference, Obafemi Awolowo University, Ile-Ife, Nigeria.
- **Akinwale, O. P.** and Ashaolu, S. O. The parasitological adaptation of *Cyclopodia greeffi* (Karsch), an ectoparasite of the fruit bat *Eidolon helvum* (Kerr). The Nigerian Society for Parasitology 14th Annual National Conference, Bayero University, Kano, Nigeria, 1990.
- Edeghere, H. U. F, Falope, O. O, Lawani, F. A. G, Elhassan, E. O, Omotainse, S. O, Abenga, J, Osue, H. O, Sanda, S. A. U, **Akinwale, O. P.**, Uduebho, M. O. and Ikenga, M. A. Effects of chemotherapy on reproductive lesions in Nigerian (Yankassa) sheep experimentally infected with *Trypanosoma brucei brucei*, *Trypanosoma congolense* and *Trypanosoma vivax*. International Foundation for Science Project B-1130 report, 1990.

CONFERENCES, TRAINING, WORKSHOPS, AND SCIENTIFIC MEETINGS ATTENDED

- The END FUND Ending the Neglect Webinar: Investing in the Elimination of NTDs in Nigeria by 2030 - Why Nigeria Should Act Now. May 9, 2023.
- Parasitology and Public Health Society Online Conference 2nd Edition. PPSN Legacies – Advances Made by Early Career Members in their Respective Fields. April 26, 2023.
- German Research Foundation (Deutsche Forschungsgemeinschaft) DFG Project Preparation Workshop. Berlin, Germany. April 3–5, 2023.
- German Research Foundation (Deutsche Forschungsgemeinschaft) DFG Status Workshop “Public Health”. Bonn, Germany. March 29–31, 2023.
- USAID Pre-Notification of Funding Opportunity (pre-NOFO) Virtual Conference on Ending Neglected Diseases Through Operational Research (ENDOR). March 14-15, 2023.
- Two-day Workshop on the Art and Practice of System Integrity in Public Institutions as a Catalyst for Good Leadership, Ethical Conduct, and Revenue Generation. Nigerian Institute of Medical Research, Yaba, Lagos. November 22-23, 2022.
- Second Meeting of the Network of Buruli ulcer Laboratories (BU-LABNET) on PCR Diagnosis in West Africa, Yaoundé, Cameroon. October 24-26, 2022.
- Royal Society of Tropical Medicine and Hygiene (RSTMH) Annual Meeting 2022: Topical Issues in Malaria and Resistance. Museum of Liverpool, Liverpool, UK. October 11-12, 2022.
- Parasitology and Public Health Society 46th Annual National Conference, Delta State University, Abraka, Delta State, Nigeria. October 4-7, 2022.
- WHO Strategic and Technical Advisory Group Meeting (Virtual) for Neglected Tropical Diseases (STAG-NTDs), WHO headquarters, Geneva, Switzerland. September 27-28, 2022
- Visit of Nigerian Institute of Medical Research Management Staff to the Medical Research Council, London School of Hygiene and Tropical Medicine, Banjul, The Gambia. September 19-22, 2022.
- Armauer Hansen Research Institute and TDR Global Institutional Research Mentorship Development Conference, Addis Ababa, Ethiopia, June 22-24, 2022.
- The Organization for Women in Science for the Developing World (OWSD) 6th General Assembly and International Conference OWSD Secretariat, Trieste, Italy, virtual conference November 8-19, 2021.
- Training Workshop on Freedom of Information Act for Senior Management Committee Members and Heads of Unit. NIMR Lagos, Nigeria. November 2, 2021.
- Tenth EDCTP Forum (virtual): Equity in Research for Health. October 17-21, 2021.
- Royal Society of Tropical Medicine and Hygiene Annual Meeting (virtual) on drug-resistant infections: causes, consequences, and considerations. October 11-12, 2021.
- Ninety-sixth annual meeting (virtual) of the American Society of Parasitologists. July 26-27, 2021.
- BU/NTDs Stakeholders Pre-Implementation Meeting: Combating Buruli ulcer and Selected Endemic Skin NTDs in Nigeria, April 19-20, 2021.

- EDCTP Network meeting. Africa CDC, Africa Union Headquarters, Addis Ababa, Ethiopia, November 19-20, 2019.
- Nigerian Institute of Medical Research 6th International Scientific Conference, Lagos, Nigeria. November 12-14, 2019.
- First Meeting of the Network of Buruli ulcer Laboratories (BU-LABNET) on PCR Diagnosis in West Africa, Centre Pasteur, Yaoundé, Cameroon, October 21-24, 2019.
- First Meeting of Lagos State Advisory Committee on Neglected Tropical Diseases (LA-SACON). Lagos, Nigeria, May 23-25, 2019.
- WHO Meeting on Buruli ulcer. Geneva, Switzerland, March 25–27, 2019.
- Train the Trainer and Curriculum Development Workshop on Grantsmanship and Mentorship Programme. Lagos, Nigeria. January 29 – 31, 2019.
- World Health Organization/TDR MOOC Training on Implementation Research with a focus on Infectious Diseases of Poverty. October to December 2018.
- Annual General Meeting of the Royal Society of Tropical Medicine and Hygiene (RSTMH), Royal College of Physicians, London, UK, September 19 - 20, 2018.
- National Health Research Capacity Strengthening Workshop. Abuja, Nigeria, September 6 - 7, 2018.
- WHO Meeting on Buruli ulcer. Geneva, Switzerland, March 20 – 22, 2017.
- Symposium for International Research and Innovations in Schistosomiasis (SIRIS). Washington DC, USA, February 3 - 4, 2016.
- Fifth Grantees and 3rd African Research Network for Neglected Tropical Diseases (ARNTD) General Assembly Meeting. Blantyre, Malawi, November 17 - 19, 2015.
- Nigerian Institute of Medical Research 6th Annual Scientific Conference, Lagos, Nigeria. November 10-12, 2015.
- World Intellectual Property Organization (WIPO) Re: Search Global Health Meetings. Geneva, Switzerland. October 27 -30, 2015.
- Control strategies for infectious and non-communicable diseases. KIT Royal Tropical Institute, Amsterdam, the Netherlands. May 18 -June 10, 2015.
- Gordon Research Conference on Tropical Infectious Diseases, March 8 -13, 2015, Galveston, Texas, USA.
- World Intellectual Property Organization Re: Search Annual Meeting. New York, USA. November 6, 2014.
- Intellectual Property Management in Research and Development Workshop, New York, USA. November 4 - 5, 2014.
- Fourth Grantees and 2nd African Research Network for Neglected Tropical Diseases (ARNTD) General Assembly Meeting. Hamburg, Germany. October 20 - 23, 2014.
- Research visit to Universiti Sains Malaysia (USM), Malaysia. September - December 2012.
- Nigerian Cochrane Contributors' Meeting/GRADEPro Workshop. Calabar, Nigeria. July 9 – 11, 2012.
- Tenth International Conference on Urban Health (ICUH 10), Belo Horizonte, Brazil, November 1 - 4, 2011.
- Ninth International Conference on Urban Health (ICUH 9), New York, USA, October 24 – 26, 2010.
- International Congress of Parasitology (ICOPA XII), Melbourne, Australia, August 15 – 20, 2010.
- Role and Function of a Comprehensive National Public Health Institute, Helsinki, Finland, June 7–11, 2010.
- Monitoring and Evaluation Workshop, Nairobi, Kenya, October 21 – 22, 2009.
- Eighth International Conference on Urban Health (ICUH 8), Nairobi, Kenya, October 18 – 23, 2009.
- Research visit to the Wolfson Wellcome Biomedical Laboratories, Zoology Department, Natural History Museum, London, UK. June – July 2009.
- Advanced Methods for Phylogenetic Analysis of Molecular Sequences Course, Rio de Janeiro, Brazil. March 2009.
- Research visit to the Wolfson Wellcome Biomedical Laboratories, Zoology Department, Natural History Museum, London, UK. June - August 2008.
- In-House Management Training Workshop for Heads of Divisions and senior staff of the Nigerian Institute of Medical Research. November 2007.
- Working with Human Genome Sequences workshop. KEMRI - Wellcome Trust, Kilifi, Kenya. October 2007.
- Linnean Society of London symposium on Natural History of Host-Parasite Interactions. Linnean House, London, UK. September 2007.

- Research training at the Wolfson Wellcome Biomedical Laboratories, Zoology Department, Natural History Museum, London, UK. September – October 2007.
- Bioinformatics and Comparative Genome Analysis Course. Institute Pasteur of Tunis, Tunisia. March – April 2007.
- New England Biolabs 21st Summer Workshop in Molecular Biology. Clark Science Center, Smith College, Northampton, Massachusetts, USA. July – August 2006.
- Research/Training at the Laboratório de Imunologia Celular e Molecular, Centro de Pesquisas René Rachou, Fundação Oswaldo Cruz, FIOCRUZ. Belo Horizonte, MG, Brazil. March – April 2006.
- UNICEF/UNDP/World Bank/WHO/TDR Fifth Workshop on South-South Collaboration and Application of Molecular Biology Techniques in Tropical Diseases, Bangkok, Thailand. October 2005.
- UNICEF/UNDP/World Bank/WHO/TDR Training on Effective Project Planning and Evaluation in Biomedical Research. Nigerian Institute of Medical Research, Yaba, Lagos, Nigeria. October 2005.
- Thirteenth International Conference of Women Engineers and Scientists. Seoul, Korea. August 2005.
- Research Methods Course in Sexual and Reproductive Health and HIV. University of the Witwatersrand, Johannesburg, South Africa. July – August 2005.
- COST B22 Congress: Drug development for parasitic diseases. Antwerp, Belgium. November 2004.
- Filariasis/Schistosome Genome Network Joint Meeting. NIAID, Rockville, Maryland, USA. August 2004.
- Research training in molecular biology techniques. Biomedical Parasitology Division, Department of Zoology, Natural History Museum, London, UK. November – December 2003.
- British Society for Parasitology Autumn Symposium. The application of genomic technology to the combat of parasitic disease. Piccadilly, London, UK. November 2003.
- Filariasis/Schistosome Genome Network Joint Meeting. Belo Horizonte, Minas Gerais, Brazil. August 2003.
- Nigerian Society for Parasitology 26th Annual National Conference, Abuja, Nigeria, October 2002.
- Nigerian Society for Parasitology (Lagos) Symposium on the Control of Parasitic Diseases through Environmental Management, Lagos, Nigeria, November 2001.
- Community Health Information Education Forum workshop on The Impact of Information and Education on Community Health, Lagos, Nigeria, August 2001.
- Monitoring and Evaluation of Adolescent Reproductive Health Programs training workshop. Sponsored by FOCUS, USA. Abuja, Nigeria, February 2001
- Workshop on enhancing the decision-making process in Lagos State civil service through Geographic Information System (GIS) Technology. Sponsored by The Lagos State Government, Lagos, Nigeria, March 2000.
- Introduction to Geographic Information System (GIS) and its use in the Epidemiological survey of Tropical Diseases. Sponsored by The German Technical Group (GTZ), Lagos, Nigeria, February – March 2000.
- Nigerian Society for Immunology National Scientific Conference on Update on HIV/AIDS and Opportunistic Infections, Lagos, Nigeria, November 2000.
- WHO/ Federal Ministry of Health Advocacy Seminar on Male involvement/Participation in Reproductive Health, Lagos, Nigeria, November 1999.
- Nigerian Society for Parasitology (Lagos / Ogun branch). Seminar on Current trends in the control of parasitic diseases. Lagos, Nigeria, September 1999.
- Nigerian Society for Parasitology 15th Annual National Conference, Obafemi Awolowo University, Ile-Ife, Nigeria. September 1991.
- Nigerian Society for Parasitology 14th Annual National Conference, Bayero University, Kano, Nigeria, September 1990.

SERVICE TO NATIONAL AND INTERNATIONAL ORGANIZATIONS

Member

- National Bilateral Affairs Committee, Federal Ministry of Health, 2021 - Present.
- Lagos State Advisory Committee on NTDs, 2019 - Present.
- National Reproductive Health Research Committee, 2001 – 2003.
- Board of Trustees of the Royal Society of Tropical Medicine and Hygiene, UK, 2022 - Present.

- World Health Organization Strategic and Technical Advisory Group for Neglected Tropical Diseases (STAG-NTDs) 2022 - Present.
- Africa Research Excellence Fund College of Experts, 2022 - Present.
- Steering Committee: Equity and Inclusivity in Research Mentorship: A TDR Global crowdsourcing open call, 2023.

Service to the Nigerian Institute of Medical Research (NIMR)

- In-house Deputy Director-General, NIMR, 2021 – Present.
- Head, Public Health Division (Now Public Health and Epidemiology Department), NIMR, 2006 – 2012.

Chairman

- NIMR Innovation Grant Award Committee, 2023
- NIMR Fellowship Award Committee, 2021 – Present
- NIMR/Affiliated Universities MOU Implementation Committee 2021 – Present
- NIMR Research Integrity Policy Drafting Committee 2022
- NIMR Allocation of Offices Committee (New Emerging Viral Diseases Building) 2022.
- NIMR (2022-2026) Strategic Plan Committee, 2021-2022
- NIMR Sexual Harassment Policy Drafting Committee 2020
- NIMR Scientific Committee, 2016 – Present
- NIMR Annual Retreat Planning Committee, 2016 – Present
- NIMR ASURI Staff Remunerations Evaluation Committee, 2013
- NIMR Second Annual Scientific Conference on Health Research in Nigeria (Scientific Committee), 2009
- NIMR Due Process Monitoring Committee (Scientific supplies), 2007 – 2011.
- NIMR Staff Welfare Committee, 2000 – 2002.

Vice-Chairman

- NIMR Grant Management Committee, 2017 – Present.

Member

- NIMR Senior Management Committee (Principal Officers), 2022 – Present.
- NIMR Appointment, Promotion and Disciplinary Committee (Senior), NIMR, 2011 – Present
- NIMR Appointment and Promotions Committee (Technical and Administration), 2011 - 2015
- NIMR Senior Management and Finance Committee, 2006 – Present.
- NIMR Research and Training Assessment Committee, 2009 – 2010
- NIMR Institutional Review Board, 2008 – 2016
- NIMR Committee for Compilation of Management Guidelines for Human Virology Laboratory, 2008 - 2009
- NIMR Appointment and Promotions Committee (Scientific), 2007 - 2011

Peer Reviewer of Scientific Journals

- Journal of Infection in Developing Countries 2023
- Journal of Tropical Medicine 2022 – Present.
- The Lancet, 2020 – Present.
- Doctoral School of Health Sciences, University of Debrecen, Hungary, 2019.
- PLOS ONE, 2018 – Present
- International Journal of Medicine and Medical Sciences, 2009 – 2014
- Memórias do Instituto Oswaldo Cruz, 2009 – 2010
- Journal of Public Health and Epidemiology, 2009 – 2010
- Journal of World Health and Population, 2007 - 2012

Editorial Board member/Reviewer

- Nigerian Journal of Parasitology, 2022 – Present.
- Tropical Parasitology, 2010 – 2012.
- Nigerian Journal of Clinical and Biomedical Research, 2009 – 2021.
- Pharma News Nigeria, 2000 – 2004.

Expert Reviewer

- Africa Research Excellence Fund Research Development Fellowships, 2022 – Present.
- African Research Network for Neglected Tropical Diseases Internal Small Grants, 2018 - Present.
- European and Developing Countries Clinical Trials Partnership Research Grants, 2017 – 2021.
- African Field Epidemiology Network Scientific Conferences, 2015 – Present.

Technical Adviser/Partner

- World Health Organization on Buruli ulcer 2017 - Present.
- National Tuberculosis, Buruli ulcer and Leprosy Control Programme, 2015 – Present.

Others

- Vice Chairman, Organizing Committee, First National Conference on NTDs and Control in Nigeria, 2019.
- Postgraduate Seminars, Department of Medical Microbiology and Parasitology, College of Medicine, University of Lagos, 2005 – 2015.
- Matron, Biological Science Students' Association, University of Agriculture, Abeokuta, Nigeria 2005 – 2010.

MEMBERSHIP OF SCIENTIFIC SOCIETIES AND ORGANIZATIONS

- Nigerian Society for Parasitology and Public Health
- Royal Society of Tropical Medicine and Hygiene, UK
- The World Organization of Women in Science
- International Network of Women Engineers and Scientists, Canada
- American Society of Parasitologists
- International Society for Urban Health, USA
- Cochrane Collaboration Depression, Anxiety and Neurosis Group, the Cochrane Collaboration, UK
- African Research Network for Neglected Tropical Diseases (ARNTD)
- Africa Buruli ulcer Laboratory Network (BU-LABNET)
- The African Scientific Institute