

PROFESSOR (MRS.) CHINEDUM PEACE BABALOLA (nee ANYABUIKE)
(*B.Pharm, PhD, FAS, FAAS, FPSN, FPCPharm, FNAPharm, MIPAN*)

PRESENT POSITION: The Vice Chancellor at Chrisland University, Abeokuta, Ogun State, Nigeria
&
Professor, Department of Pharmaceutical Chemistry
Faculty of Pharmacy, University of Ibadan, Nigeria

REGULAR ADDRESS: Office of Vice-Chancellor
Chrisland University Owode Abeokuta
No.5 Ajebo Road, Abeokuta, Ogun State

Email: peacebab@gmail.com; cp.babalola@mail.ui.edu.ng;
<vc@chrislanduniversity.edu.ng>
Tel.: +234-813-300-4582, +234-805-522-4989

EDUCATION & TRAINING

INSTITUTION	PROGRAMME	YEAR(S)	FIELD OF STUDY
Federal Government College, Enugu	WASC	1973-1978	General/Science
Federal Government College, Enugu	HSC (Higher School)	1978-1979	Science
Obafemi Awolowo University, Ile-Ife	B.Pharm.	1979-1983	Pharmacy
Obafemi Awolowo University, Ile-Ife	M.Sc.	1983-1986 (Part-time)	Pharmaceutical Chemistry (Pharm. Chem)
Obafemi Awolowo University, Ile-Ife	Ph.D.	1989-1996 (Part-time)	Pharmacokinetics/Pharmaceutical Chemistry
KILIMANJARO SCHOOL OF PHARMACY TANZANIA + PURDUE UNIV USA	PG DIPLOMA	2010-2012 (PART-TIME)	INDUSTRIAL PHARMACY ADVANCED TRAINING (IPAT)

ACADEMIC QUALIFICATIONS (WITH DATES)

- 2012 Postgraduate Diploma in Industrial Pharmacy Advanced Training (IPAT) Joint from Kilimanjaro School of Pharmacy Tanzania, Purdue University, USA
- 1997 Ph.D. in Pharmaceutical Chemistry (Pharmacokinetics Option), Obafemi Awolowo University (O.A.U.), Ile-Ife
- 1987 M.Sc.in Pharmaceutical Chemistry, University of Ife (now O.A.U.), Ile-Ife
- 1983 B.Pharm. (2¹Hons.) in Pharmacy, University of Ife (now O.A.U), Ile-Ife (**Best 3**)
- 1978 West African Examination School Certificate (Grade One)

Professional Qualifications and award of Fellows

- 1984 Registered Pharmacist, Nigeria
- 2001 Member Institute of Public Analyst of Nigeria (MIPAN)
- 2008 Certificate Course in Transformational Leadership development (TLD) for University GSP Directors by UNDP, Abuja
- 2011 Fellow of Nigerian Academy of Science (FAS). (First female Pharmacist FAS in Nigeria)
- 2012 Fellow, Pharmaceutical Society of Nigeria (FPSN)
- 2013 Fellow African Academy of Science (FAAS) (First Female Pharmacist FAAS in Africa and Second Nigerian woman as FAAS)
- 2014 Fellow of West African Postgraduate College of Pharmacists (FPCPharm)
- 2015 Fellow Nigerian Academy of Pharmacy (NAPharm)
- 2015-2016 Certificate on Management and Leadership by DAAD, AvH, CHE, HRK Germany
- 2016 Supply Chain and Logistics Management by John Snow at University of Ibadan

Academic Scholarships, Fellowships and Prizes

- **1981 – 1983** – Federal Government of Nigeria Academic Merit Award for highest GPA
- **1988, 1997, 2005, 2008** – International Society for Study of Xenobiotics (ISSX) Workshop/conference awards (4 separate awards)
- **1991** – PFIZER Conference Travel award for International Pharmacology Conference, Jerusalem
- **1994-1995** – World Bank/NUC Scholarship for Staff Training at University of British Columbia Vancouver, Canada
- **2001** – DAAD German Academic Exchange Fellowship as visiting scientist at Institute for Pharmacy, University of Jena, Germany
- **2002-2003** - Hartford Hospital Research Fellowship Award, Connecticut, USA
- **2008** - Paul Ehrlich Memorial Conference Award, Nuremberg, Germany
- **2008** – UNDP/NACA Award for Transformational Leadership Development Programme (TLDP) Abuja, Nigeria.
- **2010** – NIH Training Award on Clinical Research/Ethics, University of Ibadan, Nigeria
- **2009 & 2011** - AORTIC (African Organisation for Research and Training in Cancer) Conference Awards for AORTIC conferences in Dar-es-Salam and Cairo
- **2010 –2012** – UNIDO Fellowship award for Industrial Pharmacy Advanced Training (IPAT) in Kilimanjaro School of Pharmacy (KSP), Moshi, Tanzania (Part-time)
- **2011** – National Agency for Science and Engineering Infrastructure (NASENI) support for Industrial Pharmacy Advanced Training (IPAT) at KSP, Moshi, Tanzania
- **2012** – GSK Travel Award for First US FDA Training in Africa on Drug Regulation and Generics in Kilimanjaro School of Pharmacy (KSP), Moshi, Tanzania

- **2012** – International Federation of Pharmacy (FIP) Travel award for FIP Congress in Amsterdam, Netherlands
- **2013**- Consortium of Universities on Global Health (CUGH) travel award for CUGH 4th Annual conference in Washington DC, USA
- **2013** – NEPAD Conference Travel Award for First Scientific Conference on Medicine Regulation in Africa organized by African Medicines Regulation Harmonization (AMRH)/NEPAD, Johannesburg, South Africa
- **2014** – Biofem Group Conference Travel Award for FIP Congress, Bangkok, Thailand
- **2014** - Ranbaxy Conference Travel Award for FIP Congress, Bangkok, Thailand
- **2015** – **2016** – DAAD, HRK, CHE & AvH German Joint Award for International Deans’ Course Africa in Germany, Ghana and Ethiopia
- **2016** - Selected as only African/Black member of the Strategy Working Group (SWG) of a joint committee of International Council for Science (ICSU) and International Social Science Council (ISSC) <<http://www.icsu.org/news-centre/news/top-news/members-of-strategy-working-group-and-transition-task-force-appointed-to-develop-frameworks-for-possible-icsu-issc-merger>>.
- **2016** -One of 10 Most influential Nigerian women in science <<http://thepinknetworkng.com/10-most-influential-nigerian-women-in-science/>>
- **2017** – **Pharmanews Personality of the month** - <<http://www.pharmanewsonline.com/professor-chinedum-peace-babalola-is-our-personality-of-the-month/>>
- **2018** – Named by Silverbird TV 16 Prominent Nigerian Women that excel in Science and Research <<http://silverbirdtv.com/education/41315/16-prominent-nigerian-women-excel-science-research/>>
- **2018** - NAPA Merit Excellent Leadership award by National Association Pharmacists in Academia
- **2018** - Association Merit award by Association of Lady Pharmacists, Nigeria
- **2018** - MAY & BAKER PROFESSIONAL SERVICE PRIZE AWARD IN PHARMACY N500,000 -<https://www.pharmanewsonline.com/prof-babalola-wins-2018-may-baker-professional-service-award/>
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Working Experience (with dates)

1. **November 2017** – **date** Vice-Chancellor, Chrisland University, Abeokuta, Nigeria
2. **January 2015-date** –**Specialist Adviser/Consultant** to University College Hospital (UCH), Ibadan. To have oversight functions on Clinical trials and pharmaceutical research. (First Pharmacist to be so appointed to such position in Nigeria)

3. **2013-2017** – Dean (First female), Faculty of Pharmacy, University of Ibadan

4. **2013/2014 - Adjunct Professor** Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Olabisi Onabanjo University, Ago-Iwoye, Sagamu Campus

5. **2012-date - Principal Investigator**, Centre for Drug Discovery, Development and Production (CDDDP), Faculty of Pharmacy, University of Ibadan - a MacArthur Centre of Excellence

6. **October 2006 – present: Professor**, Department of Pharmaceutical Chemistry Faculty of Pharmacy, Univ. of Ibadan, Nigeria. Work involves teaching, practical classes and project supervision at undergraduate and postgraduate levels; research and administrative duties.

7. **January – December, 2011: Visiting Research Professor**, Department of Medicinal Chemistry and Quality Control (MCQC), National Institute for Pharmaceutical Research & Development (NIPRD), Abuja, Nigeria. Work involved research, mentoring, consultancy and administration

8. **June 2007 – September, 2007: Visiting Professor**, Department of Pharmaceutical Sciences, Philadelphia College of Pharmacy, Univ. of Sciences in Philadelphia, and Temple University, USA. Work involved design of pharmacokinetic studies for new investigational drugs, NIH grant writing application and Pharmacogenetic research (at Temple University, USA).

9. **Sept. 2005 – 2011: Associate Lecturer**, Department of Clinical Pharmacy & Pharmacy Administration, Faculty of Pharmacy, University of Ibadan. Work involves teaching Master of Clinical Pharmacy (M.Pharm.) students - Advanced pharmacokinetics, Therapeutic Drug Monitoring and supervising their projects.

10. **2003 – 2006: Reader/Associate Professor, Department of** Pharmaceutical Chemistry and Associate Lecturer in Clinical Pharmacy Department, Faculty of Pharmacy, Univ. of Ibadan, Nigeria. Work is as stated in 3 above.

11. **2003 – 2012: Associate Lecturer**, General Studies Programme (GSP) Unit. Teaching of ‘Drugs and Mankind’ under GES 102 and GES 104. I designed and introduced the Pharmacy course to General Studies Programme in the university.

12. **October 2002 – Dec. 2003: Research Fellow** (14 months) at Center for Anti-Infective Research and Development, Hartford Hospital, CT, USA. Work involved Pharmacokinetics/Pharmacodynamics (PK/PD) of new anti-infective drugs in murine and rats plus Clinical drug trials in human.

13. **March 2002-August 2003: Pharmacy Technician**, Hartford Hospital, Connecticut, USA

14. **2002 – Date: Adjunct Researcher (Staff)** at Institute of Advanced Medical Research & Training (IMRAT) under Genetic & Bioethics Research Unit; College of Medicine, University of Ibadan. Work involves collaborative studies on ethics of human research, pharmacogenetics, clinical trials, drug interaction, sickle cell research, research studies of important drugs and genes in human, cancer research among others. I headed this unit 2010-2012 when former Head, Professor A. Falusi retired.

15. **September-November 2001: Research Fellow** at Institute for Pharmacy, University of Jena, Germany. Work involved drug analysis in biological fluids by HPLC and electrochemical methods
16. **April, 1998 – September, 2003: Senior Lecturer**, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Ibadan, Work is as stated in No. 3 above.
17. Oct. 1993-Mar. 1998: **Lecturer I** in Department of Pharmaceutical Chemistry and Associate Lecturer in Clinical Pharmacy Department, Faculty of Pharmacy, Obafemi Awolowo University (O. A. U.) (Formerly University of Ife), Ile- Ife, Nigeria. Work involved teaching and supervision of laboratory practical for undergraduate and postgraduate students plus research. (Similar to No. 3)
18. **November 1994-August 1995: Pre- Doctoral Fellow**, Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, Canada. Research and Training on pharmacokinetics of drugs in pregnant sheep model; Drug analysis in biological matrices by HPLC and GC
19. **1995: Part time Drug Analyst** at Axelson & Kwok Inc., Vancouver, Canada.
20. **1989- 1993: Lecturer II** in Department of Pharmaceutical Chemistry and Associate Lecturer in Clinical Pharmacy, Faculty of Pharmacy, Obafemi Awolowo University (O. A. U.) Ile- Ife, Nigeria. Work is same as No. 14
21. **1987-1989: Assistant Lecturer** in Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Obafemi Awolowo University (O. A. U.) (Formerly University of Ife), Ile- Ife, Nigeria. Work is same as No. 14
22. **1985- 1987: Junior Trainee Fellow/Graduate Assistant** in Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Obafemi Awolowo University (O. A. U.), Ile-Ife. Work is same as No. 18 above
23. **1984 – 1985: National Youth service Corp (NYSC)**. Worked as a **Hospital Pharmacist** at Igbaraodo Health Centre and Army Clinic, 19 Mechanised Infantry Battalion, Akure, Ondo State, Nigeria.
24. **1983 – 1984: Demonstrator/internee Pharmacist** in Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Obafemi Awolowo University (O.A.U.), Ile – Ife. & General Hospital Owerri, Imo State, Nigeria. Work involved supervision of laboratory practical for pharmacy undergraduates and hospital practice in the University Health Centre and the General Hospital.

Positions/Experience in University Administration

2017 – date	Vice Chancellor , Chrisland University, Abeokuta (first female Pharmacist VC in Nigeria)
2016-2017	Member, UI committee on 100& Change MacArthur Grant Writing Team
2016-Date	Member/Co-Coordinator, Regional Center of Research Excellence (RCRE) for Non-Communicable Diseases in West Africa , UI-UCH

2016-date	Member, Oncology Clinical Trial group on “Assessing the REsponse rate of neoadjuvant Taxotere, Trastuzumab and perjertA in Nigerian women with HER2-positive breast cancer (ARETTA)”
2015:	Member, University Appointment & Promotions Sub-committee for Senate sub-committee for setting up of Institute for Peace and Conflict
2015	Member, University Ibadan-University of Sunderland, UK Collaborating/MOU team
2015	Member, Ad Hoc Committee on Review of University Calendar
2014	Member, Senate Ad-Hoc Committee On the Establishment of the Institute of Peace and Strategic Studies
2013-2017	Member, Appointment & Promotions Committee, University of Ibadan
2013-2017	Member, Development Committee, University of Ibadan
2013-2017	Member, Committee of Provost and deans, University of Ibadan
2013- 31 July, 2017 (Two tenures)	<u>Dean (First female)</u> , Faculty of Pharmacy, UI. Innovations have been introduced to the management of the Faculty, including communication/Information platform including the library, beautification, attraction of funds and support, Faculty strategic plan, Journal, infrastructure improvement, Training workshops, Faculty Guest Lectures introduction of Dress code and White coat ceremony among others.
2012-2017	<u>Principal Investigator/Director</u> Centre for Drug Discovery Development & Production (CDDDP). A MacArthur Grant Foundation sponsored centre tagged first of its kind in Africa for World class Training on Drug development and medicine regulation as well as service provision of quality medicines in Africa. Runs short term and long term programmes on drug development, CGMP and medicine regulations. Conducts drug research, drug analysis and quality control on medicines for Pharma industries and other institutions. Collaborates with many instructions internationally and nationally. <i>2017 – date – still a principal investigator in CDDDP</i>
2012-2014	Chairman, Faculty of Pharmacy UI 30 th Anniversary Committee
2012-2013	Head, Department of Pharmaceutical Chemistry. UI. Renovated the laboratory, obtained new research equipment through donations and grants to the department
2011 – 2013	Adjunct Head – Genetic & Bioethics Unit, Institute for Advanced Medical Research & Training(IMRAT), College of Medicine, University of Ibadan
2011-date	Lecturer, WAPCP (West African Postgraduate College of Pharmacists) in Pharmacokinetics and its applications
2011-2013	Member, College of Medicine, UI Curriculum Review Committee
2010 – 2014	Member, University of Ibadan Multidisciplinary Central Laboratory Board
2010	Member, University of Ibadan Ethics Policy Committee. Developed Ethics Guideline for UI that led to set up of 5 Ethics Review Committee and produced UI Ethics Policy manual
2008	Member, University of Ibadan at 60 Exhibition Committee

2007-2008	Member, University of Ibadan Five-year Strategic Planning Committee
2006-Date	Member, Senate, University of Ibadan
2005–2010	Programme Director, General Studies Programme (GSP) Unit, (Two tenures) University of Ibadan. The first Pharmacist to occupy such a position. Supervised the erection and commissioning of a new building complex for the unit, completed publishing of all GSP textbooks, and acquired state-of- the art machines for automating GSP activities electronically and free form malpractice (registration, teaching, examination, results etc) for all Regular and Distance Learning undergraduate students. The facilities and methods have been adopted by the university for conduct of entrance examinations (Post-UME) and other internal examinations.
2002- Date	Lecturer MCPD (Mandatory Continuing Professional Development) by Pharmacists Council of Nigeria (PCN) at University of Ibadan centre
2003-date	Member, University Senate
2004-2007	Member of Academic Link’s Board, UI
2004-2005	Panel Member of Senior Staff Disciplinary Committee (SSDC), UI
2003-2005	Ag. Head , Department of Pharmaceutical Chemistry, Faculty of Pharmacy. The first female to occupy such in the department. Coordinated academic activities for the department. Organized training workshops on pharmaceutical analysis and Drug Quality Control in the country. Acquired a research vehicle, new laboratory and office equipment.
2002 (3mths)	Acting Director, General Studies Programme (GSP) Unit, University of Ibadan. Finalized review of GSP curriculum. Introduced a course titled “ Drugs and Mankind ” into General Studies in UI till date.
2001-2014	Member and Trainer Research Ethics Committee of University of Ibadan/University College Hospital (UI/UCH). Among authors that produced the first monograph on Ethics Review
2000-2002	Sub-Dean (Undergraduate), Faculty of Pharmacy, UI. In charge of undergraduate matters in the Faculty. Introduced student-staff adviser list programme; organized induction programmes and interactive sessions between staff and students
1994-1995	Chair, Faculty Time-Table, Faculty of Pharmacy, OAU, Ile-Ife

Positions at National and International Levels

July 2018-date	Member of Jury for Selection of Gold medal ward by Nigeria Academy of Science (NAS)
June 2017-date	Chairman, Pharmaceutical Sciences Sectional Committee, Nigeria Academy of Science (NAS)
2017- date	Member, Conference of Vice Chancellors (CVC), Nigeria
2017	Member, Central Planning Committee (CPC) of 90 th Annual Conference of Pharmaceutical Society of Nigeria (PSN) and Chair Scientific Committee of CPC
2017	Coordinator, Committee for 2 ND International Conference On Medicine Regulation

	Themed “Improving Access To Quality Medicines Through Appropriate Legislation And Policies organised by Centre for Drug Discovery Development and Production (CDDDP) in August, 2017
2017	Chairman, Accreditation Team of Pharmacists Council of Nigeria (PCN) to Faculty of Pharmacy, Usman Dan Fodio University, Sokoto.
2017-Date	Member, 7 th MIM Pan-African Malaria Conference, Senegal
2017- date	Member/Secretary Education Committee of Pharmaceutical Society of Nigeria (PSN)
2016-2017	Member, Strategy Working Group (SWG) of Joint Committee of International Council for Science (ICSU) and International Social Science Council (ISSC). The only Representative from Africa
2016-Date	Member, Working Group/Committee of Women For Science (WfS) for Network of African Science Academies (NASAC)
2016-date	Member, Scientific Committee of the 7 th MIM-PAMC (Multilateral Initiative of Malaria – Pan African Malaria Conference), Dakar, Senegal, 2018
2016	Member, Curriculum Development Committee for Faculty of Pharmacy, University of Medical Sciences, Ondo, Ondo State
2016-Date	Member of the Regional Advisory Subcommittee on Africa for the American Association for Cancer Research (AACR)
2016-	Member Research Grants Committee Board of Fellows Pharmaceutical Society of Nigeria (PSN)
2015-date	Chairman, USP-PQM (United States Pharmacopoeia - Promoting Quality of medicines) Committee for introducing Pharmaceutical Quality Assurance into the Pharmacy Curriculum in Nigeria
2015 -	Jury Member nominated by African Academy of Sciences (AAS) for Kwame Nkrumah African Science Prize Awards by African Union (AU) Addis Ababa, Ethiopia (Only Nigerian and female of the 5-member committee)
2015	Judge/Jury Schlumberger Excellence in Education Development (SEED) Challenge and Exposition, Lagos, Nigeria
2015-Dtae	Member Nigerian Economic Summit Group (NESG) for Science and Technology
2015-Date	Member, African Academy of Sciences (AAS) Membership Advisory Committee (MAC)
2015-date	Member, African Academy of Sciences (AAS) Expert Committee on Health and Wellbeing
2015-date	Member, AAS Commission on Sciences Education
2015-2017	Member PharmD Curriculum Review Committee by Pharmacists Council of Nigeria (PCN)
2015	Chair, Ad-hoc Committee on PharmD Curriculum by Pharmacists Council of Nigeria (PCN)

2015	Member, Planning Committee for Pharmacy Education Summit by Nigerian Academy of Pharmacy (NAPharm)
2015-2017	Secretary, Implementation Committee for establishing PharmD curriculum by Nigerian Academy of Pharmacy (NAPharm)
2014- Date	Member, Scientific Committee, Nigeria Association of Pharmacists and Pharmaceutical Scientists in Americas (NAPPSA), USA
2014 -date	Member, Technical Working Group (TWG) on Regulatory Capacity Development Sub-committee on Curriculum Development and Fellowship Programme in Africa for NEPAD
2014	Member, Education and Research Committee of AORTIC, Africa
2014	Member, Appointment, Promotions and Disciplinary Committee for Pharmacists Council of Nigeria (PCN)
2014	Member, Education Committee for Pharmaceutical Society of Nigeria (PSN)
2014	Member, Accreditation team of National University Commission (NUC) to Faculty of Pharmacy, University of Port Harcourt, Rivers' state
2014-2017	Pioneer Coordinator, Deans' Forum for Schools of Pharmacy in Nigeria established by Pharmaceutical Society of Nigeria (PSN)
2014	Member, Accreditation team of National University Commission (NUC) to Faculty of Pharmacy, University of Uyo, Akwa Ibom State
2014-date	Member, Education Committee Nigerian Association of Pharmacists and Pharmaceutical Scientists Association in Americas (NAPPSSA), USA
2014-date	Member, Board of Fellows Pharmaceutical Society of Nigeria (PSN)
2013	Chair, Committee International Conference on Medicine Regulation of Claims: From Concept to Launch" organised by Centre for Drug Discovery Development and Production (CDDDP) and Reckitt Benckiser UK at UI (tagged by experts as first time regulators, Industry and Academia are meeting on Medicine Regulation in Africa)
2013 - 2017	Member Pharmacists Council of Nigeria (PCN)
2013 -2016	Member, Selection Committee for Fellows of Academy of Sciences (FAS) Health and Pharmaceutical sectors
2017- Date	Chair, Selection Committee for Fellows of Academy of Sciences (FAS), Pharmaceutical sector
2013	Member, accreditation team of Pharmacists Council of Nigeria (PCN) to Faculty of Pharmacy, Madonna University, Elele, Rivers' State
2012	Member PSN (Pharmaceutical Society of Nigeria) Pharmacy Summit group
2011-2012	Member, Reviewers of University Benchmark for Minimum Academic Standard (BMAS) for National University Commission (NUC) and Head for Sub-committee for BMAS for BPharm and PharmD programmes

2011 Jan-Dec	Member, Management team, National Institute of Pharmaceutical Research & Development (NIPRD), Abuja, Nigeria
2009-2010	WHO Consultant on Human Resource Development in the Pharmaceutical Sector in Nigeria

MEMBER OF LEARNED SOCIETIES

- Member, Pharmaceutical Society of Nigeria (PSN)
- Member Nigerian Academy of Pharmacy (NAPharm)
- Member West African Postgraduate College of Pharmacy (WAPCP)
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- Member, Nigeria Academy of Science (NAS)
- Member, African Academy of Sciences (AAS)
- Member & Mentor, Institute of Public Analyst of Nigeria (IPAN)
- Member of International Association of Therapeutic Drug Monitoring & Clinical Toxicity (IA- TDMCT), USA.
- Member, Nigeria Association of Pharmacists in Academia (NAPA), Nigeria.
- Member, International Society for Study of Xenobiotics (ISSX), USA.
- Member, Organization for Women in Science for the Developing World (OWSDW) (*Formerly TWOWS*)
- Member, African Organization for Research & Training in Cancer (AORTIC), South Africa
- Member, Sickle cell Hope Alive Foundation (SCHAF)
- Member, Society for Quality Assurance of Nigeria (SQUAN)
- Member, Nigerian Bioethics Initiative (NIBIN)

External Examiner at:

- Department of Pharmaceutical Chemistry, University of Lagos
- Department of Pharmaceutical Chemistry, Obafemi Awolowo University, Ile-Ife
- Department of Pharmaceutical Chemistry, Olabisi Onabanjo University Ago Iwoye
- Department of Pharmaceutical Chemistry, University of Benin
- Department of Pharmaceutical Chemistry, University of Nigeria Nsukka
- Department of Pharmaceutical Chemistry, University of Jos
- Oversea Trained Pharmacists, University of Jos
- Department of Pharmaceutical Chemistry, ABU, Zaria

Manuscript Reviewer of the following:

- African Journal of Medicine and Medical Sciences
- African Journal of Biotechnology
- Journal of Cell and Animal Biology

- Chemical Industry & Chemical Engineering Quarterly (CI & CEQ)
- African Journal of Pharmacology and Pharmaceutical Science
- Journal of Biomedical and Physiological Sciences
- African Journal of Traditional Complementary & Alternative Medicine
- European Journal of Medicinal Chemistry
- Nigerian Veterinary Journal
- West African Journal of Pharmacy
- Journal of Clinical Pharmacy and Therapeutics.
- Cancer Causes & Control – A Springer publication

Research Protocol/Grant Reviewer:

- University of Ibadan/University College Hospital (UI/UCH) Ethics Review Committee UI Macarthur Grant Review
- UI Senate Research review
- NIPRD, Abuja
- D43 NIH UI-University of Chicago linkage
- Research Management Office, University of Ibadan
- FIP young investigators

Professorial Promotion reviewer:

- Howard University, USA
- University of Sussex UK
- University of Lagos, Lagos State
- Niger-Delta University, Bayelsa State
- University of Nigeria Nsukka (UNN), Nsukka, Enugu State.
- National Institute for Pharmaceutical Research and Training (NIPRD), Abuja
- Ahmadu Bello University, Zaria
- University of Benin

Funding Grants

- 1 **2018-2019** – Co-Investigator - **Grand Challenges Africa- Drug Discovery Innovation Seed Grant 3- Drug Discover** Under African Academy of Sciences (AAS) for “*Anti-adhesins with therapeutic potential for enteroaggregative Escherichia coli diarrhoea*”
\$100,000 Code: **GCA/rnd3/021**
- 2 **2018-DATE** - Co-Investigator, GILEAD Sciences Incorporation, USA on Prevalence of HBV, HCV and HIV among individuals with and without Sickle Cell Disease in South West Nigeria. \$330,000.000 Study # IN-EU-334-4551
- 3 **2017-2018** – Co-Principal Investigator Fogarty International Center (FIC-NIH Grant for “Addressing NCDs in Nigeria through Enhanced International Partnership and Interdisciplinary Research Training in University of Ibadan \$49,424.00. Grant Number: 1D71TW010876-01
- 4 **2012-2017** – Principal Investigator MacArthur Grant Foundation for Higher Education for setting up Centre for Drug Discovery Development and Production (CDDDP), University of Ibadan \$950,000. Grant # 11-97968--000-INP
- 5 **2012-2017** – **Co-PI and** Principal Investigator at UI for Biomedical NIH/Fogarty D43 multidisciplinary training grant for: “**International Partnership for Interdisciplinary Research Training in Chronic Non-Communicable Diseases and Disorders Across the Lifespan**” between University of Ibadan and University of Chicago, USA \$1.2 million. **Grant Number: 1D43TW009112-01A1 for 5 years (2012 – 2017)**

6. **2014- date** –Co-Investigator NIH D43 Multidisciplinary NeuroAIDS Training /Research Program in Nigeria between Univ. of Ibadan and NorthWestern University, Chicago, USA (> \$1.2 Million in 5 years)
7. **2012-2013 Principal Investigator (PI)** GSK study **grant** on Anti-counterfeit of Panadol and Panadol Extra in Nigeria – a country study **\$68,750**
8. **2011 – 2013 PI**, EMZOR Pharmaceuticals **grant** for ‘ Bioavailability and Bioequivalence of Artemether-Lumefantrine in Nigeria’. **\$15,847**
9. **2009 – 2012 - PI**, PHEA-ETI grant for development of Tele-classrooms/e-learning capacity building for General Studies Programme (P-I), Distance Learning Centre and Pharmacy. **\$45,000**
10. **2009 – 2012: PI**, MacArthur-UI Multidisciplinary Grant award for the study of ‘Hypersensitivity of sulpha drugs and pharmacogenetics of NATs in Nigeria. **\$15,000**
11. **2004-2008 – Co-Investigator**, WHO grant on Community Directed Intervention programmes in some LGAs Oyo State. – Multi-country Project **~\$100,000**
12. **2006 – 2008 - Co-Investigator** Genetic Polymorphism of Proguanil in Sickle cell disease patients and healthy volunteers (**N1,000,000 - One million Naira**)
13. **1999 – PI**, Third World Academy of Sciences (TWAS) Research grant award (No. 98-216 RG/BIO/AF/AC) for ‘Development of HPLC analysis of pyronaridine (a new antimalarial drug) **\$5,000**
14. **1998 – 2007** – University of Ibadan Senate Research Grants (six separate grants).
15. **1998 – PI**, MOPSON Pharmaceuticals Grant for Clinical Trials of Mopson Magnesium Trisilicate suspension in ulcer patients
16. **1994 – PI**, Pfizer Medical Research Grant for “Comparative Bioavailability Studies of Pfizermol and Competitors”

DISSERTATION AND THESIS

1. **Anyabuikie, C. P.** (1983). Marine Natural Products in Drug Development B.Pharm. Dissertation, University of Ife.
2. **Anyabuikie, C. P.** (1986). Biochemical Aspects of Hepatotoxicity of *Azadirachta indica*. M.Sc. Thesis, University of Ife.
3. **Babalola, C. P.** (1996). Pharmacokinetic Studies of Quinine in Man. Ph.D. Thesis, Obafemi Awolowo University, Ile-Ife.

LIST OF PUBLICATIONS (IN CHRONOLOGICAL ORDER)

1.	Kotila OA, Fawole OI, Olopade OI, Ayede AI, Falusi AG and Babalola CP (2019) N-acetyltransferase 2 enzyme genotype–phenotype discordances in both HIV-negative and HIV-positive Nigerians. <i>Pharmacogenetics and Genomics, (USA) 00:000–000 (in press)</i>
2.	Zheng Y, Walsh T, Gulsuner S, Casadei S, Lee MK, Ogundiran TO, Ademola A, Falusi AG, Adebamowo CA, Oluwasola AO, Adeoye A, Odetunde A, Babalola CP , Ojengbede OA, Odedina S,

	Anetor I, Wang S, Huo D, Yoshimatsu TF, Zhang J, Felix GES, King M, Olopade OI (2018) "Inherited Breast Cancer in Nigerian Women". <i>Journal of Clinical Oncology</i> 36(28):2820-2825. [USA] doi/full/10.1200/JCO.2018.78.3977
3.	Nwogu JN, Kotila OA, Obaro M, Babalola CP (2018) Effects of antacids on the pharmacokinetics and electrocardiographic dynamics of Lumefantrine In healthy volunteers. <i>African Journal of Medicine and Medical Sciences</i> 47:161-169 [Nigeria-Pubmed]
4.	Akinjo RO, Chinaka CN, Babalola CP (2018) "The effects of surfactant and storage conditions on the in-vitro release of quinine suppository made from witepsol base" <i>Nigerian Journal of Pharmaceutical Research</i> . 14 (1): 53-59 (Nigeria) ISSN 0189-8434
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- 18 **Babalola C.P.**, Olaniyi A.A., Iwheye G.B., Fashedemi T.T., Ajoku C.E. , Adeniyi B.A., Falade O. and Olori E.O. (2010) ‘Significant interactions between some antibiotics and antimalarial drugs’ In Proceedings of Second Unibadan Conference on Biomedical Research, University of Ibadan, Nigeria; 6-9 July, 2010
- 19 Falusi A.G., Ajuwon A.J. **Babalola C.P.** (2009) ‘The outcome of an Intervention on capacity Development of Ethics Review Committee in Nigeria’ African Organisation for Research and Training in Cancer (AORTIC) Conference; Tanzania 10-15 November, 2009
- 20 **Babalola C.P.**, O. Adejumo, U. Din, X. Zhiheng, A. Odetunde, T. Kotila, A.G. Falusi, S. Nagar (2009). “Cytochrome P450 CYP2C19 Genotypes in Sickle Cell Disease Patients and Normal Controls in an African Population” In Proceedings of 16th North American Regional Meeting of ISSX in Maryland, USA on October 18 – 22, 2009. Abstract# 322
- 21 **Babalola C.P.**, I.O. Falana, Y. Kolade (2009) “Novel derivative ultraviolet spectrophotometric method for the determination of dihydroartemisinin” In Proceedings of 11th International Congress of Therapeutic Drug Monitoring & Clinical Toxicology (IATDMCT), Montréal, Québec, Canada. October 3-8, 2009.
- 22 **Babalola C.P.**, D. N. Kanu, G. O. Okafor (2008) “Toxic Effect of Sub-Therapeutic and Therapeutic Doses of Halofantrine on Albino Rats” In Proceedings of 15th North American Meeting of ISSX in San Diego, California , USA on October 12 – 16, 2008. Abstract # 248
- 23 **Babalola C.P.**, A. Olaniyi, G. Iwheye., T. Fashedemi., C. Ajoku, B. Adeniyi (2008) ‘Significant Drug-Drug Interactions between classical antibiotics and antimalaria drugs’ Paul Ehrlich II World Conference on Magic Bullet taking place in Nurnberg, Germany from October 3-5, 2008.

24. **Babalola C. P.** and E.O Olori (2008) 'Effect of artesunate on the urinary excretion of cloxacillin after co-administration of ampicillin-cloxacillin combination with artesunate in healthy subjects' In Proceedings of Annual Conference & Scientific Meeting of Nigerian Association of Pharmacists in Academia (NAPA), Obafemi Awolowo University, Ile-Ife; 30th July-2nd Aug., 2008, Page 28.
25. **Babalola C. P.** and O. J. Adegbola (2008) 'Drug-Drug interactions between amoxicillin and dihydroartemisinin'. In Proceedings of Annual Conference & Scientific Meeting of Nigerian Association of Pharmacists in Academia (NAPA), Obafemi Awolowo University, Ile-Ife; 30th July-2nd Aug., 2008, Page 24.
26. **Babalola C.P.**, Kolade Y.T., Scriba G.K.E., Olaniyi A.A., Adedapo A. (2007) Effect of fluconazole on the pharmacokinetics of halofantrine in healthy volunteers" 10th International Congress of Therapeutic Drug Monitoring & Clinical Toxicology (IATDMCT), Nice, France. 2007. Abstract# 32
27. **Babalola C.P.**, Olaniyi A.A., Iwheye G.B., Fashedemi T.T., Ajoku C.E., Adeniyi B.A. (2006) Drug-drug interaction studies between beta lactam antibiotics and some classical antimalarials. Dental Association Scientific Conference, University of Ibadan, Nigeria. 2006
28. **Babalola C.P.**, Dixon P.A.F., Oyewo E.A. (2005) "Disposition of quinine and its major metabolite, 3-hydroxy quinine in patients with liver disease" 13th North American ISSX/20th JSSX Meeting, October 23-27, 2005 Maui, Hawaii, USA, Abstract #132.
29. **Babalola C.P.**, Kolade Y., Omoruyi S, Onyeji C.O. (2005) "Liquid determination of halofantrine and its principal metabolite desbutyl halofantrine in human plasma" Therapeutic Drug Monitoring 27(2):#212. 9th International Congress of Therapeutic Drug Monitoring & Clinical Toxicology, Louisville, Kentucky, USA April 23-28, 2005.
30. Kolade Y., **Babalola C.P.**, Olaniyi A. and Scriba G.K.E. (2004) 'Effect of Kolanut (a caffeine-containing nut) on the solubility and pharmacokinetics of the antimalaria drug, halofantrine. National Conference of the Pharmaceutical Society of Nigeria (PSN) held at Owerri in November, 2004.
31. Ong C. T., **Babalola C. P.**, Nightingale C. H. and Nicolau D. P (2004). "Penetration, intracellular accumulation and efflux of tigecycline in human polymorphonuclear neutrophils (PMNs)" In Proceedings of Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Annual Conference. September, 2004, USA.
32. Maglio D., Banevicius M. A., Sutherland C., **Babalola C.**, Nightingale C. H. and Nicolau D. P. (2004) "Pharmacodynamic profile of ertapenem against *Klebsiella pneumonia* and *Escherichia coli* in a murine thigh model" In Proceedings of Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Annual Conference. September, 2004, USA.
33. **Babalola C.P.**, Ajoku C.E. & Adeniyi B.A. (2004) In vitro drug-drug interaction between ampicillin and chloroquine. Drug Metabolism Reviews [online] Available at: <http://pharm.u.i.edu.ng> and <https://library.villanova.edu> (Accessed 10 October, 2010) (abstract).
34. **Babalola C.**, Nightingale C. H. and Nicolau D. P. (2003) "Influence of G-CSF on treatment of *Pseudomonas aeruginosa* pneumonia in non-neutropenic host". In Proceedings of American College of Clinical Pharmacy (ACCP) Annual Conference, November 2-5, 2003; Atlanta, Georgia.
35. **Babalola C. P.**, Oyeyinka A. and Omotosho A. (2001) "Comparative bioavailability of a new quinine suppository in healthy subjects". In Proceedings of 7th International Congress of Therapeutic Drug Monitoring and Clinical Toxicology, Washington DC USA September 1-6, 2001.

- 36 **Babalola C. P.**, Itiola O. A. and Adisa R. (1999) "Formulation of quinine from suppositories: Effects of polyethylene glycol" In proceedings of MIM African Conference in conjunction with Southern African Malaria Project and Roll Back Malaria Project of the World Health Organisation, Durban, South Africa, 14th – 19th March, 1999, ppC21-C22.
- 37 **Babalola C. P.** (1999) "The relevance of quinine in current treatment of malaria: The African experience" In proceedings of Third World Organisation for Women in Science (TWOWS) Second General Assembly International Conference, Cape Town, South Africa.
- 38 Bolaji O. O., Omogbenigun I., **Babalola C. P.** and Ogunbona F. A. (1997) "Oxidative polymorphism of proguanil in an African population" In proceedings of the 5th Congress of Therapeutic Drug Monitoring and Clinical Toxicity, Vancouver, Canada.
- 39 **Babalola C. P.**, Bolaji O. O., Ogunbona F. A., Sowunmi A. and Walker O. (1996) "Dose proportionality of quinine following oral administration of 250 – 1000 mg doses of quinine to healthy volunteers" In Proceedings of 7th North American International Society for the Study of Xenobiotics (ISSX) Meeting, San Diego, U. S. A.
- 40 **Babalola C. P.**, Bolaji O. O., Ogunbona F. A. and Sowunmi A. (1992). "The bioavailability of some quinine formulations." In proceedings of the Second Jerusalem Conference on Pharmaceutical Sciences and Clinical Pharmacology, Jerusalem, Israel. Abstract Page 22.
- 41 **Babalola C. P.**, Bolaji O. O. and Dixon P. A. F. (1991). "Pharmacokinetics of quinine in healthy Nigerians." In proceedings of International Pharmaceutical Federation. 51st Congress of Pharmaceutical Sciences, Washington, DC, U. S. A. Page Cs 138.
- 42 **Babalola C. P.** and Dixon P. A. F. (1991). "Liquid chromatographic analysis of quinine in human plasma." In proceedings of International Pharmaceutical Federation. 51st Congress of Pharmaceutical Sciences, Washington, DC, U. S. A. Page Cs 115
- 43 **Babalola C. P.**, Bolaji O. O. and Dixon P. A. F. (1990). "Pharmacokinetics of quinine in healthy Nigerian subjects" In proceedings of Scientific Session of the Pharmaceutical Society of Nigeria, Lagos, Nigeria. Page 50.

Inaugural Lecture

Babalola CP (2011) *Drugs and Mankind: A display of Uniqueness*. University of Ibadan Inaugural Lecture 2010/2011 series. © Ibadan University Press, 2011. ISBN: 978-978-8414-55-1

Some Guest Lectures

1. **Babalola CP** 'Drug Abuse: CANCER IN THE AFRICAN SYSTEMIC COMPOSITION' at African Students Union Parliament (ASUP) programme at Federal Polytechnic Ede, Osun State on 12 December, 2018
2. **Babalola CP** 'DISRUPTING THE PHARMACY PROFESSION FOR BETTER: MY ROLE' at 3rd Induction/oath-taking ceremony of Pharmacists at University of Ilorin 7th December, 2018
3. **Babalola CP** 'ENGINEERING NIGERIA TO MAXIMIZE THE STRENGTH IN HER DIVERSITY' 45th ANNIVERSARY REUNION AT FEDERAL GOVERNMENT COLLEGE, ENUGU, 11 AUGUST, 2018

4. **Babalola CP** ‘MEDICINE, NATIONAL POLICY AND SECURITY’ Guest speaker at Ogun state Pharmacy Week Abeokuta, 26 June, 2018
5. **Babalola CP** “Entrepreneurship In Pharmacy: Emerging And Existing Areas” at 1st Oyo State PSN (Pharmaceutical society of Nigeria) on Entrepreneurship Summit held at faculty of Pharmacy auditorium, 27 July, 2017
6. **Babalola CP** “Introduction To Transformational Leadership” at Induction of new members for Students Leadership Club, at Faculty Of Pharmacy, University of Ibadan, Nigeria, 25 July, 2017
7. **Babalola C.P.** “Importance Of Postmarketing Drug Trials In Medicine Regulation/Market Authorization In Africa” at 5th Clinical Trial Summit Nigeria & 1st All Africa Clinical Trial Summit by AGCPN-Clinical Trial Africa Vision 2020 Initiative and NAFDAC, Lagos, Nigeria, 6-8 June, 2017
8. **Babalola CP.** “Strategic Role of Pharmacogenomics for Optimum NCD Care” Workshop/Symposium On Application Of Precision Medicine, College of Medicine, Ibadan, Nigeria, 18 July, 2017
9. **Babalola CP** – ‘Enhancing Pharmaceutical Care through Hospital-Based Compounding’ Keynote Speaker at 18th National Scientific Conference (OGUN 2016) of Association of Hospital Pharmacists and Administrative Pharmacists of Nigeria (AHPAAN). at Abeokuta, Ogun State, 9th August 2016
10. **Babalola CP** – ‘Advancing Pharmaceutical Education & Research towards Personalised Medicine: Implications for Pharmacy Practice’ Keynote Speech at 14th National conference and Scientific meeting of Nigerian Association of Pharmacists in Academia (NAPA) annual Conference at Olabisi Onabanjo University, Sagamu, Ogun State, Nigeria, 12 July, 2016
11. **Babalola CP** – ‘Genomic and Phytochemical Approach to Management of Malaria’ International Malaria Conference (IMC), University of Port Harcourt, Rivers’ State, Nigeria, 11th May 2016.
12. **Babalola CP** – ‘Medicines in Africa, From Gown to Town’ 34th Marquis Memorial Lecture, Faculty of Pharmacy, Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria, 5th May 2016
13. **Babalola CP.** Building Capacity for Pharmacist Initiated Inter-professional Relationships in the Healthcare System”. 2016 Joint Scientific Conference and Exposition of the Nigerian Association of Pharmacists and Pharmaceutical Scientists in the Americas Inc. (NAPPSA) and the Association of Nigerian Physicians in the Americas (ANPA), Las Vegas, Nevada, USA, June 23-26, 2016
14. **Babalola CP.** Pharmacy Curriculum Development: Needs -based Education at 88th Annual Conference of Pharmaceutical society of Nigeria (PSN), Abuja, Nigeria November 2015
15. **Babalola CP.** Panelist at the 28th CVL Leader Without Title (LWT) Leadership Tribute Colloquium in honour of **Prince Julius Adelus Adeluyi @ 75** on Thursday October 29, 2015 at CVL Building, VI, Lagos, October, 2015
16. **Babalola CP.** Building Capacity For Medicine Development And Regulation- A Case Of CDDDP (Centre for Drug Discovery Development and Production) UI, Nigeria at 9th Annual Scientific Conference and Exposition of Nigerian Association of Pharmacists and Pharmaceutical Scientists in Americas (NAPPSA) Detroit, USA, **September, 2015.**

17. **Babalola CP.** Keynote Speaker on Activities and Development of Centre for Drug Discovery development and Production (CDDDP) at 5th National Quality Assurance Conference (NQAC) by Society for Quality Assurance of Nigeria (SQUAN), NIMR, Lagos, Nigeria, August, 2015
18. **Babalola CP.** Global Trends In Pharmacy Education At First Pharmacy Education Summit By Nigerian Academy Of Pharmacy Lagos, April 2015
19. **Babalola CP.** Career Advancement Through Mentoring at DAAD-WAFIRAN workshop at University of Ibadan, November, 2014
20. **Babalola CP.** Pharmacy Laws, Code Of Ethics And Medicine Regulation at MCPD for Pharmacists, August, 2014
21. **Babalola CP.** Management Of Malignant Diseases, HIV/AIDs And Tuberculosis at MCPD for Pharmacists, University of Ibadan, March 2014
22. **Babalola CP.** Bridging The Gap- Steps To Update Pharmacy Education In Nigeria: An Overview Of The Current Curriculum, Teaching And Learning Methods, Assessment & Evaluation Of Student Learning Curricular And Steps Necessary To Establish PharmD Programs In Nigerian Universities at 8th Annual Scientific Conference and Exposition Nigerian Association of Pharmacists and Pharmaceutical Scientists in Americas (NAPPSA). Florida, Orlando, USA, **September, 2014.**
23. **Babalola CP.** Academia: A bridge between the industry and regulatory at African Pharmaceutical Summit, (APS), Accra, Ghana, 2014.
24. **Babalola CP.** Centre for Drug Discovery development and Production (CDDDP Regional Centres of Regulatory Excellence (RCORE) by ARMH/NEPAD expression of interest presentation, Dublin, South Africa, March 2014
25. **Babalola CP.** Global Changes in Pharmacy Education and Practice- Challenges and Prospects at University of Nigeria Nsukka Pharmacy Oath taking/Induction Ceremony April, 2012

OTHER PRESENTATIONS AT WORKSHOPS AND CONFERENCES

- 22 Training Workshop on Instrumentation, Application, Use and Maintenance of HPLC @ Nigerian Institute of Science Laboratory Technology (NISLT), Ibadan, Nigeria
10th August, 2016
Paper presented: HPLC Method Validation and Technology Transfer” and “HPLC Application in Pharmaceutical Analysis and Industrial Field
- 23 Women For Science (Wfs) Working Group (WG) of Workshop of Network of African Science Academies (NASAC): Nairobi, Kenya, 4-5 August 2016
Paper presented: Gender Mainstreaming For Academy Work Case: Nigerian Academy of Science (NAS)’
- 24 Multidisciplinary Central Research Laboratory (MCRL) Workshop for postgraduate students, University of Ibadan, Ibadan, Oyo state, Nigeria, 14th June, 2016
Paper presented: Principles of HPLC Technique

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- 25 KAST-AAS Biennial symposium at Seoul, South Korea, April, 2016.
Paper presented: Multidisciplinary Approach For Sustainable Cultivation Of *Artemisia Annuua* and Development of Artemisinin-Based Therapy (Abt) For Better Management of Malaria In Africa
- 26 Chicago-Ibadan Partnership D43 Fogarty Research Training Grant Workshop titled "Enhancing Interdisciplinary Teams: Propelling Research from Theory to Practice" at University of Ibadan/University College Hospital, Ibadan, Nigeria
Paper presented: Fundamentals of Research Collaborations /Joint Authorship in Manuscript Writing in Multidisciplinary Research
- 27 2nd University of Ibadan NeuroAIDS Conference - Multidisciplinary NeuroAIDS Research and Training Program, University College Hospital (UCH), Ibadan, Oyo State, Nigeria, 22-24 March, 2016
Paper presented: AIDS Neuropharmacology
- 28 Joint CDDDP-African Institute for Biomedical Research and Training (AiBST) Zimbabwe, Training Workshop on The Role of Pharmacogenetics in Drug Discovery, University of Ibadan, Nigeria, March, 2015
Paper presented: Current Projects & Future Plans For Pharmacogenetics Research In Nigeria
- 29 Joint CDDDP-African Institute for Biomedical Research and Training (AiBST) Zimbabwe, Training Workshop on The Role of Pharmacogenetics in Drug Discovery, University of Ibadan, Nigeria, March, 2015
Paper presented: Africa as a centre point in Drug Development: H3 Africa Initiative as a Platform
- 30 Regulatory science conference organized by NEPAD in Johannesburg, South Africa. 2-3 December 2013
Paper presented: Role of Academia In Medicines Regulation: Centre for Drug Discovery Development and Production (CDDDP) as a Case Study
- 31 International conference on Medicine Regulation on Claims: 'From Concept to Launch', organized by Centre for Drug Discovery, Development and Production (CDDDP) in conjunction with Reckitt Benckiser, UK at University of Ibadan; 2-4 October, 2013.
Paper presented: Role of Academia: A Bridge Between the Industry and Regulators
- 32 *WEST AFRICAN POSTGRADUATE COLLEGE OF PHARMACISTS (WAPCP), at University College Hospital, Ibadan, Nigeria; 15-18 July 2013, May 2014, April 2015, April 2016
Papers presented: 3 papers - Principles of Pharmacokinetics, Clinical Significance of Pharmacokinetic Parameters in Medicine Therapy and Bioavailability (relative and absolute) and Bioequivalence of Medicines
- 33 One- day Symposium on Medication Therapy Management by University of Florida USA, King's College Hospital and University of Ibadan at University of Ibadan, Nigeria; 9 July, 2013
Paper presented: Role of Therapeutic Drug Monitoring in Medication Therapy Management

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- 34 Training Workshop on High Performance Liquid Chromatographic Technique for Laboratory Technologists at Nigerian Institute of Science Laboratory Technology (NISLT), Ibadan; 7-13 July 2013
Paper Presented: Principles of HPLC Technique
- 35 FUTA STEP-B CENTRE OF EXCELLENCE PROJECT IN FOOD SECURITY - TRAINING WORKSHOP ON LABORATORY ANALYTICAL EQUIPMENT at Federal University Akure; 13-22 May 2013, 2014
Paper Presented: High Performance Liquid Chromatography (HPLC) Theory, Principles and Applications
- 36 WEST AFRICAN POSTGRADUATE COLLEGE OF PHARMACISTS (WAPCP), at Yaba, Lagos, Nigeria; 22-25 April, 2013
Papers presented: 3 papers - Principles of Pharmacokinetics, Clinical Significance of Pharmacokinetic Parameters in Medicine Therapy and Bioavailability (relative and absolute) and Bioequivalence of Medicines
- 37 Workshop on Application of Atomic Absorption Spectrophotometry (AAS), Fourier Transform Infra-red (FTIR) Spectrometry and High Performance Liquid Chromatography (HPLC) by Multidisciplinary Central Research Laboratory (MCRL), University of Ibadan; 18-22 February, 2013
Papers presented: High Performance Liquid Chromatography (2 papers – Principles and applications)
- 38 16TH Institute of Public Analysts of Nigeria (IPAN) Mandatory Training Workshop on Sampling Techniques and Sample Analysis: Modern Trends; 20-21 November, 2012
Paper Presented: ‘Sampling and Sampling Preparation for Physicochemical analysis’
- 39 Women in Science and Engineering Programme by Nelson Mandela Institution (Nigeria Country Office), African University of Science and Technology (AUST), Abuja, Nigeria; 9 November, 2012
Paper presented: “EMPOWERING THE GIRL CHILD IN SCIENCE”
- 40 International Pharmaceutical Federation (FIP) World Centennial Congress of Pharmacy and Pharmaceutical Sciences; Amsterdam, Netherlands; 3-8 October, 2012
- 41 First US Food and Drugs Administration (FDA) Workshop in Africa ‘Drug Registration: US FDA Approaches to Reviewing Generic Drug Applications and PEPFAR Reviews’ at Kilimanjaro School of Pharmacy, Moshi, Tanzania. 24-28 September, 2012
- 42 WEST AFRICAN POSTGRADUATE COLLEGE OF PHARMACISTS (WAPCP), at University College Hospital, Ibadan; 16-19 July, 2012
Papers presented: 4 papers - Principles of Pharmacokinetics, Clinical Significance of Pharmacokinetic Parameters in Medicine Therapy , Bioavailability (relative and absolute) and Bioequivalence of Medicines and Principles and Mechanism of Medicine interaction
- 43 3rd African Regulatory Conference – Partnering for Earlier Access to Good Quality Medicines in Africa; Accra, Ghana; 2-4 May, 2012
- 45 WEST AFRICAN POSTGRADUATE COLLEGE OF PHARMACISTS (WAPCP), at Yaba, Lagos, Nigeria 16-19 April, 2012
Papers presented: 3 papers - Principles of Pharmacokinetics, Clinical Significance of Pharmacokinetic Parameters in Medicine Therapy and Bioavailability (relative and absolute) and Bioequivalence of Medicines

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- 46 Meeting on Genome Research in Health and Biomedical Science; Dares-Salaam Tanzania; 23 January 2012
Paper Presented: 'Sickle Cell Disease and Genotyping – Nigeria'
- 47 African Organisation for Research and Training in Cancer (AORTIC) Conference Workshop: Fundamentals of Clinical Research; Cairo, Egypt 28 Nov-3rd Dec, 2011
Paper Presented: 'Subject Recruitment and Retention'
- 48 African Organisation for Research and Training in Cancer (AORTIC) Conference Workshop: Fundamentals of Clinical Research; Cairo, Egypt 28 Nov-3rd Dec, 2011
Paper Presented: 'Documentation and Safety Reporting'
- 49 GSK Product Launch Lecture for Cefuroxime; 9 November, 2012, Sheraton Hotel, Lagos, Nigeria
Paper presented: "Importance of Adherence to Therapy"
- 50 WEST AFRICAN POSTGRADUATE COLLEGE OF PHARMACISTS (WAPCP) Update Lectures; 25-28 October, 2011; School of Nursing, University College Hospital (UCH), Ibadan, Nigeria.
Paper presented: 2 papers – "presentation Skills and Communication Skills and Patient Counselling"
- 52 Clinical Trial Workshop for physicians in a Phase III trial of NIPRISAN by NIPRD, Abuja, Nigeria; 21 September 2011.
Paper presented: 'Bioethics In Clinical Research'
- 52 Clinical Research Workshop for Physicians at University of Abuja Teaching Hospital Abuja, Nigeria organized by UATH and University of Chicago, USA. 25-30 September, 2011
Paper presented: 'Human Subject Protection and Informed Consent'
- 53 Clinical Research Workshop for Physicians at University of Abuja Teaching Hospital Abuja, Nigeria organized by UATH and University of Chicago, USA. 25-30 September, 2011
Paper presented: 'Drug Discovery And Delivery: Clinical Trials And Pharmacovigilance'
- 54 NIPRD Seminar at National Institute for Pharmaceutical Research & Development (NIPRD) Abuja, Nigeria. 27 July, 2011
Paper Presented: Role of Transformational Leadership Programme
- 55 University of Ibadan, Inaugural Lecture. 16 June, 2011, Trenchard Hall, University of Ibadan.
Paper presented: 'Drugs and Mankind: A display of Uniqueness'.
- 56 Guest Lecturer at Glaxo SmithKline Beecham (GSK) Product Launch at introduction of new **500mg Zinnat (Cefuroxime)** at Sheraton Hotel, Lagos, Nigeria **9 November, 2011**
Paper Presented: 'Importance of Adherence to Therapy'
- 57 Guest Lecturer at Glaxo SmithKline Beecham (GSK) Product Launch for New Panadol Optizorb on at Sheraton Hotel, Lagos, **19th July, 2010**
Paper Presented: 'Significance of Pharmacokinetics of Drugs: A case of Paracetamol Brands in Nigeria'
- 58 The Second Unibadan Conference of Biomedical Research, Faculty of Basic Medical Sciences, University of Ibadan, **July 6-9, 2010**
Paper Presented: 'Significant Interactions between some antibiotics and antimalarial drugs'
- 59 The Second Unibadan Conference of Biomedical Research, Faculty of Basic Medical Sciences, University of Ibadan, **July 6-9, 2010**
Paper Presented: 'Setting up Therapeutic Drug Monitoring Service'
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- 60 WHO Workshop on Framework for the Development of the Human Resources for Pharmaceutical Sector in Nigeria, UN House, Abuja, Nigeria, **June 15-17, 2010**
Paper Presented: ‘Assessment of Human Resources for the Pharmaceutical Sector in Nigeria’
- 61 Guest Lecturer at Glaxo SmithKline Beecham (GSK) Product Launch of COLART® (Artemether-lumefantrine), Sheraton Hotel, Lagos, 22nd April 2010.
Paper Presented: ‘Relevance of Pharmacokinetics of Artemether-Lumefantrine in Treatment of Malaria’
- 62 Guest Lecturer at Glaxo SmithKline Beecham (GSK) Product Launch of New face of Augmentin on 2nd April 2010 in Sheraton Hotel, Lagos; 20th May in Presidential Hotel, Port Harcourt and 26th May at Premier Hotel, Ibadan (**April and May 2010**)
Paper Presented: ‘Assessing the Quality of Antibiotics’
- 63 Guest Speaker at Faculty of Social Sciences Student Leadership Development Programme (SLDP), University of Ibadan **March 2010**
Paper Presented: ‘Introduction to Leadership Development Programme (LDP) and HIV/AIDS Awareness’
- 64 African Organisation for Research and Training in Cancer (AORTIC) Pre-conference Workshop: Fundamentals of Clinical Research; Tanzania **10-15 November, 2009**
Paper Presented: ‘Investigational Drug Product Accountability’
- 65 WHO Regional Workshop on Pharmaceutical Human Resources Assessment in Countries and Strategies to Improve Planning for the Sector, Abuja, Nigeria **July 27-31, 2009**
Paper Presented: ‘Pharmaceutical Human Resources: A Nigerian Country Report’
- 66 A workshop for Pharmacists, Pharmacy Technicians and Laboratory Technologists in Abeokuta, Ogun State, **December 18-19, 2008**
Paper Presented: ‘Clinical Drug Trials, Therapeutic Drug Monitoring and Ethics’
- 67 Guest Speaker at Faculty of Social Sciences Student Leadership Development Programme (SLDP), University of Ibadan, **June and December 2008**
Paper Presented: ‘Introduction to Leadership Development Programme (LDP) and Awareness on HIV/AIDS status’
- 68 100th Anniversary Paul Ehrlich II World Conference on Magic Bullet Nurnberg, Germany, **October 3-5, 2008.**
Paper Presented: ‘Significant drug-drug Interactions between classical antibiotics and antimalarials’
- 69 Mandatory Continuing Pharmacy Education (MCPD), for Pharmacists, Faculty of Pharmacy in collaboration with Pharmacist Council of Nigeria (PCN), University of Ibadan, **2007, 2008 & 2009.**
Paper Presented: ‘Recent Advances in Management and Therapy of Sickle cell and Malaria Diseases’
- 70 EDCTP supported Training Workshop on ‘Strengthening the capacity of research ethics committees in Africa, College of Medicine, University of Ibadan, **February 13-16, 2007**
Paper Presented: Regulatory Bodies and Monitoring Clinical Trials’
- 71 Dental Association of Nigeria Scientific Conference, University of Ibadan, Nigeria. **2006**
Paper Presented: ‘Drug-drug interaction studies between beta lactam antibiotics and some classical antimalarials’

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- 72 Career Enhancement Workshop for Primary health Care workers in the Local government Health Services of OYO State, **October, 2006.**
Paper Presented: Fake Drugs, Drug Abuse and Self Medication: Effect and Control
 - 73 Current Trends in Medical Laboratory Practice” For Medical Laboratory Technologists, IMRAT, College of Medicine, University of Ibadan, **April 10 - 13, 2006**
Paper Presented: Laboratory Investigations of Drugs of Abuse
 - 74 Mandatory Continuing Pharmacy Education (MCPD), for Pharmacists, Faculty of Pharmacy in collaboration with Pharmacist Council of Nigeria (PCN), University of Ibadan, May 2006.
Paper Presented: ‘Quality Assurance and Quality’
 - 75 University of Ibadan First Innovation day, **2005**
Paper Presented: ‘Formulation of Clinically useful Quinine Suppositories for treatment of Malaria
 - 76 Agenda for MIM/TDR Pharmacokinetic Workshop, Institute of Advanced Medical Research & Training (IMRAT), College of Medicine, University of Ibadan, Nigeria, **2005**
Paper Presented: Principles of Bioavailability and Bioequivalence
 - 77 Agenda for MIM/TDR Pharmacokinetic Workshop, Institute of Advanced Medical Research & Training (IMRAT), College of Medicine, University of Ibadan, Nigeria, **2005**
Paper Presented: Sampling in Pharmacokinetic Studies
 - 78 Agenda for MIM/TDR Pharmacokinetic Workshop, Institute of Advanced Medical Research & Training (IMRAT), College of Medicine, University of Ibadan, Nigeria, **2005**
Paper Presented: Method Development and Analysis of Antimalarial drugs.
 - 79 Analytical Process Skill Enhancement Workshop for Hospital Pharmacists/Drug analysts in Nigeria, Conference Centre, University of Ibadan; **2004.**
Paper Presented: ‘Statistical Evaluation of Analytical Results’
 - 80 Analytical Process Skill Enhancement Workshop for Hospital Pharmacists/Drug analysts in Nigeria, Conference Centre, University of Ibadan; **2004.**
Paper Presented: ‘Bioavailability/Bioequivalence (BA/BE) Assessment
 - 81 Analytical Process Skill Enhancement Workshop for Hospital Pharmacists/Drug analysts in Nigeria, Conference Centre, University of Ibadan; **2004.**
Paper Presented: ‘Countermeasures against Counterfeit and substandard Pharmaceutical Products’
 - 82 Institute of Advanced Medical Research & Training (IMRAT) Lecture, Biode Building, College of Medicine, University of Ibadan, Nigeria, **May 2004**
Paper Presented: ‘DRUGS: From the Body to the Test Tube and from the Test Tube to the Bug’
 - 83 Mandatory Continuing Pharmacy Education (MCPD), Faculty of Pharmacy in collaboration with Pharmacist Council of Nigeria, University of Ibadan, Nigeria, **2002.**
Paper presented: Drug Use Studies
 - 84 Mandatory Continuing Pharmacy Education (MCPD), Faculty of Pharmacy in collaboration with Pharmacist Council of Nigeria, University of Ibadan, Nigeria, **2002.**
Paper presented: Clinical Pharmacokinetics
 - 85 Workshop on Towards Better Quality Assurance of Drugs in the 3rd Millennium - Biopharmaceutical Methods in Drug Quality Assurance, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Ibadan, Nigeria, 20-24 August, 2001.
Paper presented: Multisource drug products and interchangeability

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- 86 Workshop on Towards Better Quality Assurance of Drugs in the 3rd Millennium - Biopharmaceutical Methods in Drug Quality Assurance, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Ibadan, Nigeria, **20-24 August, 2001**.
Paper presented: Bioavailability/Bioequivalence (BA/BE) assessment
- 87 Mandatory Continuing Pharmacy Education (MCPD), Faculty of Pharmacy in collaboration with Pharmacist Council of Nigeria, University of Ibadan, Nigeria, **1999, 2000**.
Paper presented: Bioavailability and bioequivalence of drug products
- 88 Training Workshop on Detection and Identification of Counterfeit and Substandard Pharmaceutical Products, by Dept of Pharm. Chem., Faculty of Pharmacy, University of Ibadan, Nigeria, **6th – 10th July, 1998**.

Paper presented: ‘Case reports on counterfeit and substandard active pharmaceutical ingredients and medicinal products’
- 89** National Conference of the Pharmaceutical Society of Nigeria (PSN), Lagos, Nigeria, **November, 1991**
Paper presented: Pharmacokinetics of Quinine in healthy subjects

Conferences and workshops only: very many

1. NAPSSA conference in USA annually from 2014 till 2018
2. FIP conference, Glasgow Sept 1-5, 2018
3. Consortium of Universities on Global Health (CUGH) 4th Annual Conference; 14-16 March, 2013; Washington DC, USA
4. National Cancer Institute (NCI) One-day Meeting; 13 March 2013; Washington DC, USA
5. Non Communicable Disease-Lifespan and Tobacco Program Networking Meeting; 11-13 March, 2013; Fogarty International Centre, NIH, Bethesda, Maryland, USA

6.4.1 Project /Research Supervision

A. Undergraduate project supervision

Have supervised over 40 undergraduate final year B.Pharm projects encompassing many areas of Pharmaceutical Chemistry and analysis

B. Postgraduate Diploma (PGD) Research Supervision

1. Obuehbour Oyakhire. Simultaneous spectrophotometric assay of trimethoprim and sulphamethoxazole by charge transfer using chloranilic acid (2008).
2. Kanu N. Dominic. Toxic effect of sub-therapeutic and therapeutic doses of halofantrine as tablet and suspension on albino rats (2006).
3. Omosehun Ibiyemi Adewunmi. Toxic effect of four times dose of halofantrine on organ functions in albino rats (2006).
4. Okafor Glory Obialunanma. Toxicological effects of two times the dose of halofantrine tablet and suspension in male albino rats (2006).
5. Aduloju Omonike Patience. Identification of halofantrine formulations and development of assay techniques for its liquid dosage form (2004).
6. Oyemade 'Bosede Adetutu. Effect of chloroquinine on the antibacterial activity of cloxacillin on *Staphylococcus aureus*
7. Oluwatosin, Peter Phytochemistry of Telferia (2015).

C. Master's Degree Research Supervision

Have successfully supervised the following masters' dissertation in Pharmaceutical Chemistry and Pharmacokinetics namely:

1. Olufemi – Lumefantrine suppositories 2018
2. Stephen – Toxicity tests of herbal teas 2018
3. Oyaluna, Zeniat. Safety profile of bitters with rat and drosophila models (2017).
4. Ogunjobi, karounwi. Validation of plasma sample methods for the determination of GFR using ^{99m}Tc-DTPA as marker (2016).
5. Oguntade, Tomi. Formulation of Clinically relevant antimalarial suppositories and their equivalence. (2016).
6. Chiudo, Emeka. Physical equivalence of generic brands of anticancer drugs in use in south west Nigeria (2016).
7. Adebowale, Oluwaseyi. Qualification Of Some Equipment In CDDDP Laboratory As A Guide For Quality Assessment Of Artemether–Lumefantrine Tablets Marketed In South – Western Nigeria (2016).

8. Kwasi, David. Pharmacokinetic Interactions of Antimalarials And Ceftriaxone In Paediatric Patients Suffering From Malaria And Bacteria Infections After Intravenous Co-Administration. (2015).
9. Nwogu Jacinta N. Effect of Antacids on The Pharmacokinetics Of Lumefantrine In Nigerian Healthy Volunteers (2015).
10. Adeniji Thompson. Effect of caffeine on physicochemical properties and antimalarial activities of lumefantrine lumefantrine (2015).
11. Akpan, Mary. Prevalence of adverse reactions to sulphonamides in Nigerians resident in Ibadan (South West Nigeria) (2011).
12. Ezeasor, Chizoba. *In Vitro* Drug-Drug Interactions Between Some Anti-Malarials And Antibacterials (2011).
13. Ajayi Oluwole Morakinyo. *In vitro* interaction studies of lumefantrine with antacids (2010).
14. Chinaka Chioma Nnennaya. *In vitro* drug-drug interaction between lumefantrine and amoxicillin by dissolution studies (2009).
15. Alabi Marvelous A. *In vitro* drug-drug interaction between amoxicillin and dihydroartemisinin using their dissolution profile (2008).
16. Olori Eric Oshowemiye. Effect of artesunate on the urinary excretion of cloxacillin after co-administration of ampicillin-cloxacillin with artesunate in healthy subjects (2008).
17. Adegbola James Olufemi. Drug-drug interactions: amoxicillin-dihydroartemisinin *in vitro* interactions (2008).
18. Awoleye Simeon Adeniran. An analysis of prescription pattern in primary health care centers in Osun state (2008).
19. Oguntuase Folasade O. Effect of caffeine co-administration with halofantrine on parasite clearance in *Plasmodium berghei* infected mice (2008).
20. Uchefunah, Olubunmi. Antimalarial and antimicrobial Usage in paediatrics in a tertiary institution (2007).
21. Adenaiye Funmilola Olabisi. A novel UV method for the analysis of artesunate tablets (2006).
22. Falana Isaac Odunayo. Novel derivative ultraviolet spectrophotometric method for determination of dihydroartemisinin (2006).
23. Njaprim Godwin Kwasi. The effect of caffeine on the physicochemical properties and antimalarial activity of halofantrine (2005).
24. Awofisayo Oladoja Abosedo. Effect of chloroquine phosphate on the pharmacodynamic activity of ampicillin trihydrate on *Staphylococcus aureus* (2003).
25. Akinjo Robinson Odunayo. The effect of surfactants on the *in vitro* release rate of quinine suppositories made from witepsol base (2002).

26. Akinlade Olubukola Oyeyinka. Comparative bioavailability study of quinine suppository preparation in healthy volunteers (2001)
27. Falade Olubunmi Bukola. Simultaneous determination of sulphamethoxazole and trimethoprim (co-trimoxazole) in biological fluids using HPLC (1999).
28. Omotoso Abayomi Ebenezer. Comparative bioavailability study of quinine suppository preparation (1999).
29. Ajoku, Ego Chiawuotu. Effect of chloroquine on the dissolution and bacterial activity of ampicillin
30. Iwheye, Godwin. Effect of Proguanil on bioavailability of cloxacillin 2001
31. Olasupo L.A. Effect of chloroquine on the pharmacodynamic activity of cloxacillin on *Staphylococcus aureus*
32. Fashedemi Titilayo T. Effect of chloroquine on urinary excretion of cloxacillin

D. MPhil research supervision

1. Adedeji Ahmed Adebawale. Chloroquine blood levels and parasite kinetics in children with resistant malaria in Ibadan, Nigeria (2004).

E. Doctor of philosophy research supervision

Completed

1. Kolade Yetunde Tinuade. Interactions of halofantrine with fluconazole, kolanut and some caffeine containing beverages (2006).
2. Adejumo Olufunmilayo Ebunoluwa. Genetic polymorphism of proguanil (PG) an anti-malarial chemo prophylactic drug in sickle-cell disease (SCD) patients and healthy volunteers in Nigeria (2014).
3. Falade Olubunmi Bukola. Drug-drug interaction between quinine and ampicillin-cloxacillin (2014).
4. Kotila Olayinka Adejoke. N-acetylation phenotype-genotype association and risk of hypersensitivity to sulpha drugs: Implications in malaria and HIV/AIDS therapy in Nigerians resident in Ibadan (South-west Nigeria) (2017).
5. Olayemi Adegbolagun (Co-Supervisor) 2000

F. On-going post-graduate supervision

Currently supervising 4 Master's students and 8 Ph.D students in Pharmaceutical Chemistry

Research Thrust/Focus

The thrust of my research is summarized thus:

Pharmacokinetics/pharmacodynamics (PK/PD), biopharmaceutics, pharmacogenetics and pharmaceutical analysis; with special reference to **antimalarial** and antibacterial agents and other medicines. Malaria and bacterial infections constitute a major health burden to developing countries of Africa including Nigeria. PK/PD relates the rate of drug absorption, distribution and elimination to drug response in the body, while biopharmaceutics describes factors such as physicochemical and formulation factors that affect drug bioavailability in the body. These three subtypes of my thrust are linked because there can be no biopharmaceutics without pharmacokinetics and there can be no pharmacokinetics and biopharmaceutics without drug level determination in biological samples. These three areas are very important for carrying out clinical trials of new and existing drugs, therapeutic drug monitoring (TDM), determination of compliance with drug treatment, optimization of dosage regimen in patients, evaluation of drug interactions, determination of the relationship between drug levels versus pharmacological effects and adverse effects (pharmacodynamics), ethnic variations in drug response (pharmacogenetics) and finally, treatment outcome. These three also guide rational dose regimen, interchangeability in drug prescription and dispensing and determination of fake and substandard drugs in circulation.

In most part, drug concentrations in the body are related to therapeutic and adverse effect, therefore developing simple, precise, sensitive and specific methods for determining drugs in the body is very crucial and this has been highlighted in most of my studies. I have developed novel and better HPLC methods and optimized existing ones for analyzing quinine, chloroquine, trimethoprim/sulphamethoxazole, pyronaridine, proguanil, halofantrine, paracetamol, tigecycline, cloxacillin, ampicillin by both invasive (blood, plasma) and non-invasive methods (saliva, urine) and this has contributed immensely in elucidating the pharmacokinetics, bioavailability, metabolism, drug interactions, activities and therapeutic outcome of these drugs in human.

Data produced from pharmacokinetics and analysis of quinine helped to guide therapy at the time quinine was in major use and even now that it is used during cerebral malaria. The principle of pharmacokinetics has also been used to determine significant drug-drug interactions especially with my current studies on interaction between antimalarials and antibiotics, where marked reduction (>50%) in bioavailability of the antibiotics, which call for dose adjustment, have been observed.

Bioavailability/bioequivalence studies of some antimalarials (quinine, chloroquine, proguanil) and paracetamol have guided improvement in their formulations. Novel quinine suppositories that may eventually prove useful (as an alternative route) in treating unconscious and vomiting malaria patients have been designed.

I have been able to combine pharmacokinetics with pharmacodynamic principles in order to relate drug levels in the body to treatment outcome including toxicity and thus, improve rational dosage regimen especially with respect to antimalarials and antibiotics. Synergy between newer antibiotics and immunomodulators such as (interferon and GCSF) has been evaluated and some have proven effective. Kinetic modeling has been used successfully to characterize parasite and clinical parameters of malaria and have been used to compare activity and toxicity of various antimalarials. The outcome of my research has made me discover wide ethnic/racial/genetic variations in drug disposition and treatment outcome and this has generated my current interest in pharmacogenetics with respect to the African population. Proguanil, a pro-drug has shown genetic polymorphism in Nigeria population through phenotyping, indicating a poor metabolizer group of 4.8%. My co-authors and I reported the first ever pharmacogenetic study in Nigerians in healthy and sickle cell patients using proguanil as probe drug and observed that some Nigerians are poor metabolizers and also carry the mutant CYP2C19 genes. However, she discovered lower prevalence of the mutant gene in the sickle cell patients (1%) compared to healthy (4.8%); a finding that may favour these patients who take proguanil daily. The outcome can improve therapeutic maneuver in our

population. I am presently leading a multidisciplinary research group on genetic polymorphism of N-acetyl transferases (NATs) in sulpha reaction in Nigerian population. Sulpha medicines such as sulphadoxine-pyrimethamine are still in use for malaria treatment and prevention in pregnant women. The hypersensitivity such as Stephen Johnson syndrome is genetic and can be fatal. It is related to some mutant genes that affect its metabolism. We have screened over 1,000 Nigerians (healthy and HIV/AIDS) residing in South west Nigeria for hypersensitivity to sulphonamides and NAT2 genotype disposition responsible for the metabolism and have observed. Self-reported sulphonamide hypersensitivity in the general study population was 15.5%, occurring mostly as skin reactions. Genotype analyses revealed a total of ten haplotypes of which nine (NAT2*4, *12A, *13A, *5B, *6A, *7B, *5C, *14B & *14A) were the same in both HIV-positive and HIV-negative volunteers with frequencies ranging from 1.3-27.8 % while a tenth, NAT2*12E (1.2 %), was found only in the HIV-positive cohort. Three haplotypes, NAT2*14A, *14B and *12E, occurred at frequencies >1 %, a rare occurrence for any population worldwide and contrary to previous findings. Inferred phenotypes in the two groups were averagely similar namely 66, 30.9 and 3.1 % for intermediate, slow and rapid acetylators respectively with both groups showing predominance of intermediate acetylators and poor acetylators than normal type. It means the population may be more predisposed to adverse reactions to sulphonamides.

I am now building capacity in Africa in the area of drug development and medicine regulation through my pet project in “Centre for Drug Discovery Development and Production (CDDDP) a MacArthur Foundation sponsored Centre where I am the Principal Investigator and pioneer Director.

EXTRACURRICULAR/COMMUNITY ACTIVITIES

1. Worship Music and other Christian activities.
2. Executive member, Sickle cell Hope Alife Foundation (SCHAF)
3. Coordinator, Nigerian Branch of UBUMAMA – an international safe-motherhood project
4. Health outreaches/awareness to faith-based and community – based organizations
5. Editor, Christian Home magazine, Ibadan Anglican Diocese.
6. Branch President Mothers’ Union, Women’s Guild and Girls’ Guild in St Mary’s Anglican Church, Oluyole, Ibadan, St, David’s Anglican Church, Ijokodo, Ibadan, St Anne’s Anglican Church, Molete, Ibadan and St Stephen’s Anglican Church, Inalende
7. Children, Youth and Women worker/Speaker
8. Mentoring

OUTSTANDING ACHIEVEMENTS

1. The First female Pharmacist Professor to be appointed a Vice Chancellor in Nigeria, 2017
2. The first female Professor of Pharmaceutical Chemistry in University of Ibadan (UI), 2006
3. The first Female Pharmacist Professor in the Faculty of Pharmacy, UI, 2006
4. First Female Head, Department of Pharmaceutical Chemistry, UI, 2003-2005; 2012-2013
5. The first Female Dean of the Faculty of Pharmacy, UI, 2013-2017 (two terms)
6. The First Female Inaugural Lecturer of the Faculty of Pharmacy, UI, 2011
7. The first Female to be elected Fellow, Pharmaceutical Society of Nigeria (FPSN), in University of Ibadan, 2012
8. The first Female Pharmacist to be elected Fellow African Academy of Science (FAAS), 2013
9. The first Female to be elected Fellow, Nigeria Academy of Pharmacy (FNAPharm) in University of Ibadan, 2015

10. The first Female to be elected Fellow of West African Postgraduate College of Pharmacists (FPCPharm) in University of Ibadan, 2014
11. Named as one of 10 Most influential Nigerian women in science <<http://thepinknetworkng.com/10-most-influential-nigerian-women-in-science/>> in 2016
12. Selected as a member of the Strategy Working Group (SWG) of the joint committee of International Council for Science (ICSU) and International Social Science Council (ISSC). She was the only Black and African out of the 11 scientists and social scientists selected world-over <http://www.icsu.org/news-centre/news/top-news/members-of-strategy-working-group-and-transition-task-force-appointed-to-develop-frameworks-for-possible-icsu-issc-merger> in 2016.
13. Appointed as the First Coordinator of Deans Forum of Pharmaceutical Society of Nigeria (PSN) when it was established in 2014 and has remained so till date.
14. As Dean, led the design of a new Pharmacy curriculum – Doctor of Pharmacy (PharmD) after 18 years of using old curriculum
15. As Dean, designed the First strategic plan for the Faculty
16. As Dean, Inaugurated Wellness Clinic for the Faculty
17. As Dean, obtained approval for a new Faculty Complex (now under construction) for the first time since inception of faculty 37 years ago. There was general overhaul of infrastructure, sanitation and beautification of the faculty
18. As Dean, Obtained a Faculty Bus for the first time since inception 37 years ago
19. As Dean, succeeded in establishment of a new Department of Pharmacology & Toxicology in the Faculty of Pharmacy after 34 years of asking and seeking approval from the University
20. As Dean, increased students' intake (more than double from 40 to 100 per session)
21. As Dean, empowered students, initiated "white Coat ceremony" and dress code for professionalism, inaugurated Student Leadership club, students' debate club. Students improved in their outlooks, won prizes in speech, debates and oratory, students' academic performance improved significantly
22. As Dean, established Dean's prize and Dean's sports trophy
23. The maiden prize established by University of Ibadan Women society (UIWS) for the best female UI graduate was endowed in honour Professor Chinedum Peace Babalola by a donor, Katchey Company Limited
24. Led the team (Principal Investigator) that won a MacArthur grant (approx. \$1million) to set up a Centre of Excellence – centre for Drug Discovery Development and Production (CDDDP) in 2012 termed 'First of its kind in Africa' by MacArthur Foundation. CDDDP is set

- up to empower African to make and regulate their own medicines. The centre has built capacity in Nigeria and has new pharmaceutical products (up to 6) awaiting NAFDAC approval
25. Served for two-terms (2005-2010) as the Director, General Studies Program (GSP), Unit (now a centre) in University of Ibadan, being the first Pharmacist to occupy that position. Supervised the erection and commissioning of a new building complex GSP Unit, completed publishing of all GSP textbooks, and acquired state-of- the art machines for automating GSP activities electronically and free from malpractice (registration, teaching, examination, results etc.) for all Regular and Distance Learning undergraduate students (approx. 30,000 students). The facilities and methods have been adopted by the University for conduct of entrance examinations (Post-UME), other internal examinations and staff recruitment.
 26. As HOD, brought in some innovations – obtained a departmental car as donations, overhauled the laboratories by changing tables to marble and floor to tiles, attracted a modern chemical hood worth millions, changed
 27. Led the research team that studied and published first ever pharmacogenetics data on sickle cell disease patient that is relevant in managing these people
 28. Discovered significant drug-drug interaction between antimalarials and antibiotics relevant for drug dosage re-design and patient care.
 29. With respect to entrepreneurial skills, during the first Research fair held in the University of Ibadan in 2005, Exhibition of my research on quinine suppositories, won selection as one of the innovative products presented by UI to NUC exhibition at Abuja. The achievements of the Centre for Drug Discovery, Development and Production (CDDDP) in the recently held University Research and Innovative fair (November 2016), won Faculty of Pharmacy the first position based on presentation of over 10 innovative pharmaceutical formulations such as herbal teas, hand sanitizers, antimicrobial creams, etc. as stated by assessors.
 30. As a University administrator, established memorandum of understanding (MOU) with local and foreign institutions (Public & Private) including Howard University, USA, University of Florida, USA, Walter Sisulu University (WSU), Kilimanjaro School of Pharmacy (KSP), Moshi, Tanzania, Roosevelt University, USA, South Africa, Reckitt-Benckiser, UK; NIPRD, Abuja, among others
 31. Ability to bridge the gap between gown and town through awareness and management of healthcare issues (e.g. sickle cell disease, community directed programme, consultancy services through CDDDP, product manufacture etc.)
 32. Attraction of benefactors/donors. Have a very long list of benefactors while serving as Head of department, Director and Dean (infrastructure, prizes, library materials etc.)

33. Significant enhancement in student and staff Welfare including research activities, scholarship, fellowships, promotion, staff development etc. e.g. Professors rose from 8 to 13 during my tenure as Dean.
34. Introduction and promotion of active-based learning by staff and students in faculty of Pharmacy, UI and other places
35. Mentorship: Has mentored, supervised and empowered several students and young researchers at various levels

Chinedum Peace Babalola (nee Anyabuike)

July, 2018