

BARBARA MMA TIEDEU

MIRAMAR, FL 33027 • (301) 532-9348 • mma_tiedeu@yahoo.com

SUMMARY

Associate Professor, Member of and head of pedagogic teams for Biochemistry, Microbiology, Immunology, Molecular Biology, Parasitology courses in undergraduate and post-graduate degree programs; Research on molecular epidemiology of communicable and non-communicable diseases (Diabetes and Obesity): association with genetic polymorphism, infectious diseases & epigenetics; Drug resistance studies on Malaria; Demonstrated expertise in Bioethics, Quality Assurance and Good Laboratory Practice, Project Management, Gender Issues, Scientific Review and Scientific Translation and Interpretation from English to French and vice versa. Leader and Team member in projects sponsored by the World Health Organization (WHO), the Gates Malaria Partnership, the International Atomic Energy Agency, the European Union, the American National University, and the African Malaria Network Trust amongst others.

Selected Accomplishments:

- Published 32 peer-reviewed scientific articles, with 12 cited in PubMed.
- Published 2 book chapters.
- Advisor: 15 Masters students.
- Advisor: 1 Ph.D. student.
- Current Advisor: 6 Ph.D. students.
- Coordinator of Masters defences
- Postgraduate Coordinator for Quality Assurance, GLP and Bioethics.
- Presented 26 Communications in national & international symposia, congresses & conferences.
- Participated in 111 national & international training courses & workshops.
- Affiliated to 14 scientific societies and professional organizations.

PROFESSIONAL EXPERIENCE

Department of Biochemistry, Faculty of Science, University of Yaounde I (UYI)

2017 – 2018: **Associate Professor:** Involvement in Tutorials, and Lectures; Course Coordination; Vice-President of Examination Jury; Coordinator of Masters defences

1999 – 2017: **Senior Lecturer:** Involvement in Tutorials, Practicals and Lectures; Course Coordination; Head of Examination Marking Hall; Vice-President of Examination Juries; Consultant in Consultative Committee of University Institutions; Biochemistry Coordinator for Molecular Biology; Coordinator of Masters defenses

1997 – 1999: **Lecturer:** Involvement in Tutorials and Practicals; Course Coordination

1992 – 1994: **Graduate Assistant:** Involvement in Tutorials and Practicals

Centre for Research & Training in Graduate Studies in Life, Health & Environmental Sciences, UYI

2013 – To Date: Head of University Management Unit – Office of Admissions and Certificates; Member of Scientific and Pedagogic Council; Member of Jury for Selection of Students; Member of Examination Jury; Lecturer of Professional Masters on Quality Assurance and Quality Control

The Biotechnology Centre, University of Yaounde I

2010 – To date: **Deputy Head**, Laboratory for Molecular Medicine and Metabolism (M3 Lab)

1997 – 2010: **Senior Researcher:** Infectious Disease Epidemiology: Dynamics of Drug Resistance in HIV, Malaria and Onchocerciasis

1994 – 1997: **Research Fellow:** Immunology of Onchocerciasis

- Extracted, analysed and carried out preliminary research on the biological activity of some essential oils.
- Studied the implications of some *Onchocerca volvulus* recombinant antigens on diagnosis, immunopathology and protection of humans.
- Defined community-sensor indices for public health surveillance of Onchocerciasis, HIV/AIDS and Malaria.
- Identified gene polymorphisms that predispose for Type 2 Diabetes and Obesity and can be future targets for understanding their pathophysiology and regulation.

E D U C A T I O N A N D P R O F E S S I O N A L D E V E L O P M E N T

- 1999 – 2006 : Ph.D. (“Doctorat d’Etat”) in Biochemistry (First Class Honours), UYI
- 1989 – 1997 : Masters (“Doctorat de Troisième Cycle”) in Biochemistry (Summa Cum Laude), UYI
- 1988 – 1989 : Postgraduate Diploma (“Diplome d’Etudes Approfondies) in Biochemistry (Summa Cum Laude), University of Yaounde
- 1987 – 1988 : Postgraduate Diploma (“Maîtrise”) in Biochemistry (Magna Cum Laude), University of Yaounde
- 1984 – 1987 : Bachelor of Science in the Natural Sciences, Zoology (Cum Laude), University of Yaounde
- 1982 – 1984 : Advanced Level General Certificate of Education – Sciences, Bilingual High School, Yaounde

C O N S U L T I N G A C T I V I T I E S

The Fobang Foundation (1999 – 2010)

Responsible Officer for Operational Research; **Course Faculty**, Biotechnology for Innovation and Discovery (BID) and other Workshops; Gates Malaria Partnership **project team member**.

Faculty of Medicine & Biomedical Sciences (FMBS), UYI (2005 – 2006)

Organizer (setting) and evaluator of competitive entrance examinations

The International Atomic Energy Agency (IAEA) (2007 – 2011)

Co-principal investigator for Cameroon site of the multi-centre African Malaria and Nutrition Initiative (AMANI) for the Evaluation of Vitamin A and Zinc Supplementation on Malaria Morbidity; **Facilitator**, Regional (AFRA) Training Course on Immunology and Molecular Biology of Malaria; Facilitator, National Training Workshop on Quality Assurance by the African and Caribbean Scientific and Technical Network for Infectious Diseases (ReST-ACMI) Cameroon Project

Cameroon Bioethics Initiative (CAMBIN) (2007 – To Date)

Ethics Committee member; Local Organizing Committee member for Workshop on Health Research Ethics for Ethics Committees and Review Boards in Africa; **Associate Member** of Executive Bureau;; Cameroon National Ethics Committee **Consultant**.

The European Union (EU) (2008 – To Date)

Manager of EU-funded Contact Point Network for Young African Scientists on Poverty-Related Diseases (CPN-YAS-PRD): Coordinator and Organiser of CPN-Africa activities – International meetings, workshops; Cameroon FP7 European Union **National Contact Point** for Health & Human Sciences and Human Resources (Capacity Building) for CAAST-Net (Network for the Coordination and Advancement of Sub-Saharan Africa – EU Science and Technology Cooperation.

WHO-AFRO – CDC – PEPFAR – Global Health Systems Solutions (GHSS) – Ministry of Public Health, Cameroon (2006 – To Date)

WHO **project researcher**; **Monitor and mentor** (internal audit) of hospital medical laboratories towards accreditation; WHO **Temporary Adviser** and **Consultant** for technical support to Côte d’Ivoire for Quality Assurance and accreditation of CDC/PEPFAR laboratories (**Workshop Faculty**); Training of Francophone Assessors for the WHO-AFRO Laboratory Accreditation Programme; **Lead Facilitator**, National Workshop for the Training of Internal Auditors for WHO-AFRO Accreditation of Analytical Medical Biology Laboratories by GHSS in collaboration with CDC; **Central Level Evaluator & Head of Mission** to Northern Region of Cameroon for data collection for situational analysis of national laboratory facilities; Establishing and maintaining a system for monitoring and evaluating malaria rapid test accuracy in Cameroon. Trainer of laboratory technicians on the use of Malaria RDTs by the Tropical Disease Research (TDR) and the Ministry of Public Health.

Catholic University of Central Africa, School of Health Sciences, Yaounde (2010 – 2015)

Part-time Lecturer; Regulator of Internships and Research Protocols; **President and Member of Jury** for Dissertations; Member of Jury for selection of Students; **Member** of Health Research Ethics Institutional Committee; **Co-supervisor** of end-of-training Masters projects.

Committee for the Advancement of Women Chemists (COACH) – African Institute for Mathematical Science (AIMS)
Women in Science, Technology Engineering & Mathematics (STEM) (2011 – To Date)

Cameroon **Focal Point** for COACH; **Organiser and Facilitator** of national and international COACH workshops and activities; **Consultant** at “Developing a Pan-African Agenda for African Women in STEM,” AIMS Consultative workshop; **Rapporteur** at Gender Summit 14 – Africa on “Climate Change through the Gender Lens: Focus on Africa.”

American National University (ANU), Roanoke, Virginia (2016 – 2017)

International Relations Liaison; Organizer of Information Dissemination and Sensitization seminars and fairs on all ANU offers and projects: Assistance and guidance of students in admission procedures; **Manager** of Cameroon University Educational Resource Center for Masters in Business Administration (MBA) by Videoconferencing in Yaounde, Cameroon.

REFERENCES

1. **Pius Nche NDE, Ph.D.**
Assistant Professo, Department of Microbiology and Immunology
West Basic Science Building, Room 4119
Meharry Medical College
1005 Dr. D. B. Todd Jr. Blvd
Nashville, TN 37208
Tel. : 615 327 6997
Fax : 615 327 6072
Email : pnde@mmc.edu
2. **Andre M. MENYONGA, DNP, MSN, RN, MCSE, CCNA**
Assistant Professor of Nursing,
School of Science, Technology and Engineering Management
St. Thomas University
16401 NW 37th Avenue
Miami, FL 33054
Tel. : 305 474 6035
Mobile : 954 604 2722
Fax : 305 628 6706
Email : amenyonga@stu.edu
Website: www.stu.edu
3. **Professor Geraldine Richmond, Ph.D.**
Past President, Association for the Advancement of American Scientists
Former member, USA National Science Board
Presidential Chair, Department of Chemistry and Biochemistry,
1253 University of Oregon, Eugene, OR 97403
Phone : 541 346 4635
Fax : 541 346 3422
Email : richmond@uoregon.edu
Website: <http://RichmondScience.uoregon.edu>