

CONTACT

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SKILLS

- Interdisciplinary Research
- Data and Statistical Analysis
- Interpersonal Relationship skills
- Team player skills
- Analytical problem-solving
- Communication skills
- Writing reports
- Extensive health and safety skills
- Biological & Engineering integration

SOFTWARE

3D Design & Printing Software:

- CREO, Simple ware, Dental scanner (Shining 3D), 3DSlicer, NetFabb, Mesh mixer, and Cura (Ultimaker extended 3)

Computer Software:

- MS Word, Excel, and PowerPoint Presentation

CERTIFICATIONS

- ACRP ELKA Certification
- VIARES Clinical Research Associate

CONTINUING PROFESSIONAL DEVELOPMENT

- TransCelerate BioPharma Inc. Certificate of Completion. Investigator Oversight Informational Program.
- The Global Health Network (GCP) ICH Good Clinical Practice E6 (R2)

MOOCs

- VIARES Clinical Research Associate
- VIARES Clinical Research Data Management
- VIARES Clinical Research Project Management

PROFESSIONAL MEMBERSHIP

- Association of Clinical Research Professionals (ACRP)
- Biomedical Engineering Society (BMES)

LEADERSHIP POSITIONS

- Student Academic Representative
- Educational Development Officer
- Clinical Co-ordinator

Temitayo ADEYEMI, MSc.

PROFESSIONAL SUMMARY



An award-winning, journal-published author with incessant curiosity and 4+ years clinical work experience. A natural problem-solver confident in working in an environment of complexity and ambiguity with strong interpersonal, and effective communication skills. Looking for an opportunity to contribute knowledge and gain skills to enhance an industry and advance my professional career.

WORK HISTORY

-  08/2022 **Medical Devices Sales Representative**
On-going **Sancare Biomedical Limited – Alausa, Lagos**
 - Marketing and distributing of IVD analyzers and consumables
 - Meeting up with clients and sending out product proposals & quotes
 - Conducting presentations for doctors or health executives
 - Maintaining records, data analysis, and monitoring competitor activity
 - Writing reports, strategic negotiation of terms of sales, and closing sales
-  05/2021 **Pharmacy Assistant**
04/2022 **Nigerian Ports Authority – Nigerian Ports Clinic, Calabar**
 - Assessed prescriptions, dispensed drug, packaged and distributed prescribed medications.
 - Proposed the now-approved initiative for the monthly budget of the clinic's pharmacy to be increased by 100% (due to inflation) in my first week.
-  11/2018 **Healthcare Assistant**
10/2020 **Cavalry Healthcare – Mann Island, Liverpool, UK**
 - Provided personalized care, palliative care, and person-centered care for over 500 patients with cardiovascular diseases, dementia, and diabetes.
 - Investigated and solved safety-related incidents using extensive health and safety skills.
-  11/2018 **Biomedical Engineer**
06/2019 **3D LifePrints – Alder Hey Children's Hospital, UK**
 - Installed, calibrated and monitored additive manufacturing devices
 - Printed prototypes and scanned 100s of orthodontics/dental moulds
 - Researched new materials to be used for projects from various clients
-  10/2017 **Healthcare Assistant**
10/2018 **Avery Healthcare – Hanford Court Care Home, UK**
 - Person-centered care for patients with mobility conditions (using prosthetics), patients with Parkinson's, special needs as well as patients with neurological injuries and disorders.

EDUCATION

(MSc. Eng.) Master of Science in Engineering – Biomedical Engineering (GPA 3.5/4.0)

-  09/2018 **University of Liverpool**
-  09/2019 School of Engineering, Liverpool, England. UK.

Bachelor of Science (Hons) – Pharmaceutical Science, Technology and Business (Second Class Upper)

-  09/2015 **Keele University**
-  06/2018 School of Pharmacy, Staffordshire, England. UK.

ACCOMPLISHMENTS

- '**Highly Commended Award**' – The Global Undergraduate Awards
- Academic Enhancement and Development Bursary – Research
- Pharmacy International Prestige Award (3 years Scholarship)
- The University of Liverpool Commonwealth Postgraduate Bursary
- Won 12 volunteering awards for 2000+ hours of volunteering

LABORATORY

- **Experiments:** Cell culture, protein engineering, silver staining, tissue engineering, sonication, electrophoresis, and chromatography.
- Western blotting, IMAC purification, nanoindentation testing, and bioassays.
- **Equipment:** Sonicator, Centrifuges, HPLC/UPLC, GC-AAS, Granulators, Tablet press, IR spectrometer and Electron spectrometer, Optical and Scanning Electron Microscopy.

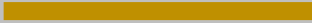




CONFERENCES

- The European Laboratory Research & Innovation Group Conference (ELRIG)
- The National Biomedical and Clinical Engineering Conference
- JADE Student Learning Undergraduate Conference (JSLUG)
- British Conference of Undergraduate Research (BCUR)
- University of Liverpool Engineering Conference

VOLUNTEERING

- Cancer Research UK
- Marie Curie UK
- Keele University Students' Union
- Nightline Association
- British Heart Foundation

LANGUAGES

- English 
- Yoruba 
- Pidgin 
- French 
- Spanish 

INTERESTS

- Playing the piano, Drawing, Watching Sports (Formula 1 and Boxing), and Playing Chess

RESEARCH EXPERIENCE

Postgraduate Researcher

Title: The role of collagen mutation on bone micromechanics

- In this research, mice bone specimens from the tm1a Col1a2 null line were tested to investigate the micromechanical properties of bone. 3 genotypes of bone specimen samples were used: ('Wild type' (WT) which was made from normal collagen, Knock Out' (KO) which is made from abnormal collagen and heterozygous (HET), which is made of normal and abnormal collagen).
- Data from nanoindentation indicated that the Elastic Modulus data for Het genotype in ♂ and ♀ (for both 10s and 100s hold periods) was affected by collagen mutation. The imaging experiments and electron microscopy also indicated a similar trend. **This was a novel finding.**

Undergraduate Researcher

Title: Does the pro-region of growth differentiating factor-9 (GDF9) form part of FLAG-cumulin?

- Cumulin is a heterodimer, and GDF9 is an essential protein that form part of the transforming growth factor- β (TGF- β) superfamily. An anti-FLAG tag antibody was bounded to detect the FLAG-tagged pro-region of GDF9 in Cumulin. A transcriptional reporter assay was used in assessing the bioactivity of the FLAG and was found to form part of Cumulin.
- **This was a novel finding and it won an award and was published.**

PUBLICATIONS

Published Papers

- A Comprehensive Review on the Potential of Microfabricated Microneedles for Effective Systemic Delivery of Drugs. Reinvention: An International Journal of Undergraduate Research (2019):12 (2) pp 1 - 42.
- Does the pro-region growth differentiation factor – 9-form part of flag-cumulin? The Undergraduate Journal: The Undergraduate Library (2018) (issue 10).
- Treating Amyotrophic Lateral Sclerosis (ALS). Journal of Academic Development and Education (2018), 3:(3) pp 143 – 159
- Antibiotics Crisis. Journal of Academic Development and Education (2017), 2:(2) pp.17 – 34

Published Abstracts

- Advancement of Regenerative Medicine and Tissue Engineering using Artificial Intelligence. Journal of Academic Development and Education 2018 conference 2018. 3 :(3) pp 7.
- Treating Tetralogy of Fallot with fetal surgery. British Conference of Undergraduate Research (2018), 8 pp. 17 – 24

ON-GOING PROJECTS

 10/2020 **Founder**
On-going **Keyra Vaults**

This is an enthusiast initiative for research and biomedical engineering that intends to explore my ideas and engage in personal technical challenges.