

MR. BOSCO BAKWATANISA CURRICULUM VITEA

PERSONAL DETAILS

Name: Bakwatanisa Bosco

Sex: Male

Nationality: Ugandan

Date of Birth: 4th February 1992.

Marital status: Single

Religion: Christian

Address: Cleveland Ohio, US

Tel (Mobile): +1(216)-583-6788

Email: bakwabosco12@gmail.com

Career objective: To be an academically and technically resourceful person with keen interests and skills in medical technologies and with a goal of advancing science for the betterment of humanity by developing technologies aimed at mitigating disease.

EDUCATIONAL BACKGROUD

2020-2023: Master of Science in biomedical engineering with concentration on Bioinformatics and Cancer Genomics at Nanjing Medical University China.

2018 -2019: Post graduate diploma in project management and planning at Uganda Management Institute (UMI)

2012-to-May 2016: Attended Makerere University for Bachelor of Science in Biomedical Engineering.

2010- 2011: Attended Our Lady of Africa Namilyango, Seeta, Mukono for Uganda Advanced Certificate of Education (UACE), majoring in PCB/M

WORK AND PROFESSIONAL EXPERIENCE

September 2017- October 2018: Makerere University Walter Reed Project as head of the Biomedical Engineering

February 2017 To April 2017: University Research Council LLC, USAID-ASSIST Project C.U.R.E as a Biomedical equipment/ logistics consultant

August 2017 to May 2018: Worked at Bugema University as Biomedical Engineering Teaching Assistant

June 2016 - September 2016: Providence Health Care, BC, Canada (Vancouver General Hospital and St. Paul's Hospital Foundation), 1081 Burrard Street Vancouver, **BCV6Z 1Y6**. Canada as an intern biomedical engineer

June – to September 2016: Biomedical Engineering Solutions Ltd as Trainee Field service engineer

June 2015- to May 2016: Mulago National Referral Hospital Trainee Biomedical engineering student

June 2014- to August 2014: Makerere University College of Engineering Design Art and Technology as Workshop trainee Biomedical engineering student

ACADEMIC AND RESEARCH AND TEACHING

October 2016- to- September 2019: Makerere University College of Health Sciences as Biomedical engineering Research and teaching assistant

August 2017-to- May 2018: Working at Bugema University teaching assistant for the Diploma in Biomedical Engineering program

2019-todate: Nanjing Medical University as Graduate student researcher of Biomedical engineering with research focus on cancer genomics

AWARDS AND RECOGNITIONS

March 2016: Certificate of participation on Makerere University- Case Western Reserve University Collaboration Projects

April 2015: Certificate of distinguished service with Makerere University Biomedical Engineering Students Association.

March 2016: Certificate of distinguished service as the president Sheema University students Association.

January 2017: Certificate of participation in the Biennial Uganda National Biomedical Engineering Conference held at Hotel Africana.

January 2017: Certificate of training on medical equipment regulation and electrical safety held at Kolping hotel, Kampala.

December 2017: Certificate of Training on service and maintenance of liquid Nitrogen plant and cold chain management with DH Industries BV, Eindhoven Netherlands

2019: Awarded Chinese Government scholarship for outstanding international scholars

PUBLICATIONS

1. Dynamic changes in anti-SARS-CoV-2 antibodies during SARS-CoV-2 infection and recovery from COVID-19. Kening Li, Bin Huang, Min Wu, Aifang Zhong, Lu Li, Yun Cai, Zhihua Wang, Lingxiang Wu, Mengyan Zhu, Jie Li, Ziyu Wang, Wei Wu, Wanlin Li, Bakwatanisa Bosco, Zhenhua Gan, Qinghua Qiao, Jian Wu, Qianghu Wang, Shukui Wang & Xinyi Xia. *Nature Communication* **11**, 6044 (2020). <https://doi.org/10.1038/s41467-020-19943-y>
2. Improved clinical symptoms and mortality among patients with severe or critical COVID-19 after convalescent plasma transfusion. Xinyi Xia, Kening Li, Lingxiang Wu, Zhihua Wang, Mengyan Zhu, Bin Huang, Jie Li, Ziyu Wang, Wei Wu, Min Wu, Wanlin Li, Lu Li, Yun Cai, Bakwatanisa Bosco, Aifang Zhong, Xiong Liu, Tangfeng Lv, Zhenhua Gan, Guang Chen, Yunhu Pan, Caidong Liu, Kai Zhang, Xiaoli Xu, Changjun Wang, Qianghu Wang. *Blood* (2020) 136 (6): 755759. <https://doi.org/10.1182/blood.2020007079>
3. Bakwatanisa, B., Enywaku, A., Kiwanuka, M., Lamunu, C., Mbowa, N., Mukibi, D., Namayega, C., Ngabirano, B.A., Ntambi, H., & Reichert, W. (2016). Biomaterials use in Mulago National Referral Hospital in Kampala, Uganda: Access and affordability. *Journal of biomedical materials research. Part A*, 104 1, 104-12.

PROFESSIONAL MEMBERSHIPS

1. Member African Society for Bioinformatics and Computational Biology (ASBCB)
2. Member international Society of computational biology (ISCB)

PROFESSIONAL SKILLS

- MS Project software
- Machine learning and Deep learning
- Image analysis
- Next Generation Sequencing and high throughput technologies and data analysis
- Six sigma Quality assurance and management
- R programming, Unix, and python programming
- MATLAB
- SPSS and STATA data analysis

REFEREES

1. Dr. Robert Ssekitoleko Biomedical engineer and Lecturer Makerere University
Email. rsseki@gmail.com, Tel: +256759886829/702253131
2. Prof. William Montgomery Reichert: Professor of Biomedical Engineering at Duke University email: reichert@duke.edu. 919-660-5151, Fax:919684-4488
3. Prof. Josephine Kasolo: Head of Physiology Department at Makerere University College of Health Sciences email: jkasolo@chs.mak.ac.ug, josephinekasolo57@gmail.com, Tel:+256-772-553088