Johnbosco **Tayebwa**

Bioinformatician

School of Applied Health Sciences, Kampala International University

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Experienced bioinformatician with a strong background in analyzing high-throughput genomic data and developing bioinformatics pipelines. Skilled in R, Perl, and Linux environments with expertise in next-generation sequencing data analysis.

Education

Faculty of Medicine — *Lund University, Sweden*

PhD Candidate — *2015*

University of Skovde — *Sweden*

Master of Science in Bioinformatics — *2011-2012*

Makerere University — *Uganda*

Bachelor of Biomedical Laboratory Technology, Second Class Honours – Upper Division — *2005-2008*

Professional Experience

School of Applied Health Sciences, Kampala International University

Assistant Lecturer — *Current*

- Current Position

Department of Clinical Genetics, Lund University Hospital

Bioinformatician — *2012-2014*

- Sweden

School of Biosciences, University of Exeter

Visiting Postgraduate Researcher — *2010-2011*

- United Kingdom

Skills

Programming

- Advanced skills in Linux-Unix bash/shell, R statistical programming, and Perl

High Performance Computing

- Experience with HPC clusters (UPPMAX, SNIC) and cloud computing (Amazon AWS, docker)

NGS Data Analysis

- 5 years of experience in management and analysis of high-throughput data from Next-Generation Sequencing Platforms, especially Illumina

Microarray Analysis

- Experience with gene expression array and microarray (SNP-array) data analysis

Research Experience

Department of Clinical Genetics, Lund University Hospital

Bioinformatician *2012-2014*

- Analyzed NGS data (WGS, WES, TruSeq, RNA-Seq) for bone and soft tissue tumor studies. Developed pipelines for variant calling, fusion gene detection, and differential expression analysis.

School of Biosciences, University of Exeter

Visiting Postgraduate Researcher *2010-2011*

- Developed competence in Linux environment and Perl scripting. Assembled bacterial genomes and developed in-silico primers for Xanthomonas species.

Publications

For a complete list of publications, please visit: `https://scholar.google.com/citations?user=PZ6u9ocAAAAJ`

Professional Membership

Member of the International Society for Computational Biology (ISCB)

Awards

Swedish Institute

Swedish Institute Scholarship *2011-2012*

NARO/WORLD BANK PROJECT

Millennium Science Initiative Research Grant *2010-2011*

Muljibhai Madhvani Foundation

Muljibhai Madhvani Foundation scholarship *2006-2008*

References

Available upon request.