Lamin Juwara

Personal information

Nationality Gambian

Education

2018–Present **PhD. Quantitative Life Sciences**, *McGill University*, Canada.
2016–2018 **MSc. Biostatistics**, *McGill University*, Canada.
2015–2016 **MSc. Mathematical Sciences**, *AIMS-SA, Stellenbosch University*, South Africa.
2011–2015 **BSc. Mathematics (Hons)**, *Kwame Nkrumah University of Science and Tech.*, Ghana.

Awards/Scholarships

2018-2021 Mitacs Accelerate Fellowship
2016-2018 MasterCard Foundation Scholarship, McGill University
2016 The Martin Rees Scholarship, AIMS South Africa
2015-2016 African Institute for Mathematical Sciences Postgraduate Scholarship
June, 2015 Best graduating students, Department of Mathematics, KNUST

Work Experience

04/2018 - Present **Research Assistant**, JEWISH GENERAL HOSPITAL.
- Statistical computing

2017 - 2018 **Research Assistant**, MCGILL UNIVERSITY.
- Privacy-preserving data analysis

Summer 2017 **Visiting Research Scholar**, SOUTH AFRICAN CENTRE FOR EPIDEMIOLOGICAL MODELLING AND ANALYSIS.
- Developed web based applications for HIV incidence estimation (UNAIDS project)
- Statistical Computing

2007–2008 **Medical Laboratory Technician**, MEDICAL RESEARCH COUNCIL, The Gambia.
Molecular Biology Lab:

- Genomic DNA isolation and quantification.
- PCR protocols (e.g. multiplex PCR.)
- Purification and sequencing of PCR products.
- *Analysis* of bacterial DNA *sequence data* for allelic and sequence type determination.

Miscellaneous

2013–2015 **Mathematics Tutor**, KNUST - GHANA.
International Students Association (ISA) Mathematics Tutor. KNUST

Department of Biostatistics – Mcgill University
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Research Project, McGill University

Title *Virtual Pooling as a Privacy-preserving Analysis Tool*

Supervisor(s) Dr. Paramita Saha-Chaudhuri & Dr. Alexandra M Schmidt

Description In this study, we explore the application of specimen pooling as a privacy-preserving tool for estimating hazard ratio (HR) of a covariate for a time to event outcome. By utilizing the equivalence between the Cox Proportional Hazards model and conditional logistic model, we estimate the HRs using only the aggregate covariates which are shown to be similar to individual level (unpooled) covariate effect estimates.

Research Project, Stellenbosch University

Title *Reverse-engineering T-cell proliferation dynamics*

Supervisor Dr. Wilfred Ndifon

BSc Mathematics (Hons) thesis

Title *Representation Theory of Finite Groups*

Supervisor Dr. Richard Kena Boadi

Computer skills

Advanced R, PYTHON, LaTeX, MATLAB, OpenOffice, Linux, Microsoft Windows

Intermediate HTML, Visual Basics, SPSS

Oral & Poster Presentations

10/2017 Oral Presentation at the Biostatistics seminar series

01/2018 Poster Presentation at the ISPE mid-year meeting in Toronto

03/2018 Poster Presentation at the annual EBOSS Research Day

06/2018 Poster Presentation at the Statictical Society of Canada annual meeting in Montreal

Languages

Official **English** *Fluent*

Other **Mandingo, Wollof, Arabic**

References

Dr. Paramita Saha Chaudhuri
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Biostatistics Graduate Program Director
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Dr. Wilfred Ndifon
AIMS, South Africa.
IDRC Joint Career Development Chair Biomathemtics.
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Dr. Gerard Morris
West Midlands Regional Genetics Laboratory, Birmingham, UK.
Higher Specialist Clinical Geneticist.
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