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. Mathematics**, *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.
- Genomic DNA isolation, PCR protocols (e.g. multiplex PCR.) and sequencing

Miscellaneous

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

Department of Quantitative Life Sciences – Mcgill University
+(1) 514 318 4637 • lamin.juwara@mail.mcgill.ca

Thesis & Research Projects

PhD, Quantitative Life Sciences

Title *Efficient design and prediction for Parkinson's disease using novel biomarkers*
Advisor(s) Dr. Paramita Saha-Chaudhuri

MSc Biostatistics, Research Project

Title *Virtual Pooling as a Privacy-preserving Analysis Tool*
Supervisor(s) Dr. Paramita Saha-Chaudhuri & Dr. Alexandra M Schmidt

MSc Mathematics 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

Publications (Accepted / Submitted / Ongoing)

1. Juwara L, Boateng J (2019). Assessing the effects of exposure to sulfuric acid aerosol on respiratory function in adults. Preprint arXiv: 1906.04296
2. Cressatti1 M, Juwara1 L, Galindez1 JL, ... Schipper HM (2019+). Salivary miR-153 and miR-223 levels as diagnostic biomarkers of idiopathic Parkinson disease. (Submitted)

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
Assistant Professor, Biostatistics
Department of Epidemiology, Biostatistics, & Occupational Health McGill University
email: paramita.sahachaudhuri@mcgill.ca
Telephone: +(1) 514.398-7518

Dr. Erica E. M. Moodie
Biostatistics Graduate Program Director
Department of Epidemiology, Biostatistics, & Occupational Health McGill University
email: erica.moodie@mcgill.ca
Telephone: +(1) 514.398-5520

Dr. Wilfred Ndifon
AIMS, South Africa.
IDRC Joint Career Development Chair Biomathemtics.
email: wndifon@aims.ac.za

Dr. Gerard Morris
West Midlands Regional Genetics Laboratory, Birmingham, UK.
Higher Specialist Clinical Geneticist.
email: dr.gerard.morris@cantab.net
Telephone: 0121 472 1377