Global South Artificial Intelligence for Pandemic and Epidemic Preparedness and Response Network (Global South AI4EP Network)
L'Intelligence Artificielle Pour La Préparation Contre Les Epidémies et Les Pandémies Dans Le Sud Global

Position Title: Network Chief Scientist

Research Program: Global South AI4EP Network

Contract Term: 1 year with a possibility of extension

Start Date: November 01, 2022

Base Salary: $80,000

Hours of Work: 35 hours per week

Reports To: Executive Director, Global South AI4PEP Network

About Global South AI4PEP Network

This initiative will address existing knowledge and practice gaps in the Global South by establishing a multi-regional network to deepen the understanding of how responsible Artificial Intelligence solutions can improve public health preparedness and response. It will strengthen the capacity of interdisciplinary researchers and policy makers across Lower and Middle Income Countries (LMICs) in Africa, Asia, Latin America and the Caribbean, and the Middle East and North Africa, to support early detection, response, mitigation and control of developing infectious disease outbreaks. Projects within the initiative will work closely with governments, public health agencies, civil society and other actors to generate new knowledge and collaborations to inform practice and policies at subnational, national, regional and global levels.

Job Purpose:

This position will play a scientific leadership role in the development of the GlobalSouth AI4PEP Network and the network's engagement and knowledge mobilization efforts to effectively disseminate and mobilize the research that has been produced as well as foster future research opportunities with institutions and Foundations across the world. This position will be key in building and maintaining the Global South AI4PEP Network brand to enhance and promote

International Development Research Centre's (IDRC) commitment to supporting innovative and locally championed solutions from LMICs and York's reputation as the world's leading university in fostering more equitable and responsible approaches to complex health-care needs through the ethical use of artificial intelligence. The incumbent will work closely with the Global South AI4PEP team members as well as York University staff and external organizations.

Major Duties:

Knowledge Mobilization and Training
- Disseminates the network's findings in high-impact journals, books, policy reports, monthly blogs, and at international scientific meetings, workshops, and schools.
- Devises comprehensive and complementary models to inform epidemic and pandemic prevention, preparedness, and response in LMICs
- Maps drivers and key national priorities to be considered for alignment and linkages
- Inform the development of new policies and approaches to stimulate innovation and technology adoption
- Assists in designing an online searchable repository comprehensively compiling resources containing locally relevant data
- Improves identification, collection, and cataloging of relevant data required for the research pin clinical public health.
- Works with our Global South partners to strengthen and enhance capacity and prepare the next generation of leaders in responsible AI in clinical public health policy through a unique training program in an interactive environment mentored by basic, applied, and policy researchers
- Builds trust and knowledge of emerging and re-emerging infectious diseases models among key decision makers in the Global South to enable rapid-response in emergencies through close engagement with government, public health agencies, and other stakeholders
- Develops workshops and prepares materials for students and community partners to learn research design, data analysis, report writing, and knowledge mobilization techniques
- Liaises with partners to develop effective seminars, workshops, and symposia and knowledge mobilization strategies
- Prepares annual report reporting and evaluating knowledge mobilization activities and proposing strategies for the upcoming year

Community Engagement – Develop, manage and enhance relationships on behalf of Global South AI4PEP Network
- Networks with government departments and non-governmental agencies that relate to the network's research focus
- Provides direction and content on developing and implementing tools for international relations management (e.g., template documents, checklists, guidelines, organization of information)

- Contributes to building the GlobalSouth AI4EP international research partnership database
- Maintains an extensive knowledge of international research initiatives relating to the Global South AI4PEP Network mandate and advises the Network Executive Director.
- Develops creative partnerships among academic researchers, all levels of government, and non-governmental organizations.
- Engages the public in educational science communication initiatives through various communications tools
- Increases the number and variety of research partnerships as required for successful completion of the research program and effective dissemination of its findings.
- Provides strategic content and oversight of community engagement events within Global South AI4PEP
- Identifies and develops ideas that could potentially lead to significant partnership opportunities.
- Identifies and develops leveraged funding opportunities that advance the research partnership.
- Develops an engagement framework to promote research partnerships and knowledge mobilization strategies that leverage matching fund programs.
- Participates in the development of grant applications to provincial and federal funding programs and foundations that take advantage of and facilitate research collaborations with government, and non-governmental organizations.

Communications
- Leads the Communication and Community Engagement officer in preparing quarterly newsletter and materials reporting on workshops, seminars and other activities for public dissemination in accessible and popular forms.
- Solicits, edits, and supervises production of working papers, policy briefs, and research summaries along with other accessible research reports
- Provides strategic direction and content in the development and maintenance of GlobalSouth AI4EP's web-based infrastructure, including the partnership website
- In conjunction with the Executive Director, develops an annual report and submits it to the IDRC
- In conjunction with the Executive Director, develops and submits reports to other funders as required.
- Develops plans for improvement and enhancement based on analysis of communications metrics
- In collaboration with the team, develops high quality and engaging content (online and print) to build a strong Global South AI4PEP Network brand, promote Global South AI4PEP Network research and enhance Global South AI4PEP Network, IDRC and York's reputation to global audiences
- Maintains abreast of all research initiatives under Global South AI4PEP Network and supports The Faculty of Science and VPRI in reporting requirements

Education and Experience:

- **PhD or (PhD near completion) in Health Informatics, Computer Science, Engineering, Mathematics, Data Sciences or a related field**
- **Expertise in one or more of healthcare analytics/machine learning, big data linkage and analysis, or health intelligence.**

Skills/Specialized Knowledge:

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- Demonstrated success working with health professionals and the intersection between health data and health equity would be an asset.
- Evidence of research excellence or promise of research excellence of a recognized international caliber as demonstrated in the research statement
- Record of publications (or forthcoming publications) with significant journals in the field.
- Presentations at major conferences
- Awards and accolades.
- Excellent oral and written communication skills
- Demonstrated organizational and problem-solving skills
- Proven ability to exercise good judgment, take initiative and work independently
- Strong interpersonal skills and ability to deal courteously and effectively with people
- Excellent management skills and knowledge related to academic projects and grants
- Strong abilities to access and mobilize resources in the university setting
- Strong abilities to foster and execute innovative and effective knowledge mobilization for academic projects

Application Instructions

Please submit a cover letter, CV and research statement to the Executive Director of the Global South AI4PEP Network, Prof. Jude Kong at AI4PEP@gmail.com. This position is open until filled.