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New frontiers of digital surveillance and response intelligence systems in communicable diseases and epidemics prevention and control in Africa

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Changing in multiple factors such as globalization, rapid urbanization and health transition, climate changes and trans-national/regional activities associated behavioral changes have increased the risk of transmission of communicable diseases worldwide. The next generation surveillance and response approaches including digital health; digital media intelligence and genomics / next generation sequencing (NGS) provides new frontiers and paradigm shift in public health management. The paper explores their new insights and implications of next generation surveillance and response approaches in strengthening and guiding decision making policy in the communicable diseases prevention and crisis management. Particularly, modelling epidemics surveillance and response intelligence systems in instilling the development of sustainable local, national and regional risk communication management, vigilance and preparedness are being explored. Hence, improving diagnostic and early detection effective to timely evidence-based public healthcare resilience in epidemics prevention and emergency response, quality health systems and personalized care delivery.

Biography

Michel Talla is from Cameroon and he made his study in Licence de commerce, Droit Et Science Politique in DSchang and his interest is related to New frontiers of digital surveillance and response systems in communicable diseases and epidemics prevention and control in Africa.

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