

Abstract Information

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Participation :	symposium
Title of the Symposium :	Advancing Neuroscience Education in Africa through Capacity Building
Category :	Academic/Researcher
Thematic Area :	History, Education, and Teaching
Title :	Neuroscience Education and Research Capacity Building in Africa
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Abstract :	Neuroscience, a cornerstone of understanding the brain and neurological health, remains underdeveloped in Africa despite the continent's significant burden of neurological disorders, including stroke, epilepsy, neuroinfectious diseases, and neurodegenerative conditions. This paper explores the current challenges in neuroscience education and research in Africa. It proposes actionable strategies for capacity building, emphasizing the establishment of neuroscience programs, creation of research centers of excellence, interdisciplinary collaboration, and the integration of emerging technologies. The importance of advocacy, policy support, and regional and international partnerships is underscored as essential enablers of progress. Opportunities such as Africa's youthful demographic, global interest in brain research, and technological advancements are highlighted as avenues for growth. The paper concludes by recommending targeted investments in education, research funding, mentorship programs, and digital tools to enhance neuroscience capacity across the continent. By addressing these priorities, Africa can overcome systemic barriers, advance neurological health, and contribute significantly to global neuroscience research and innovation.
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