
BIOGRAPHICAL SKETCH

NAME: Angelina Kakooza Mwesige

POSITION TITLE: Senior Lecturer, Child Neurologist

AFFILIATION: Department of Paediatrics and Child Health,

Makerere University College of Health Sciences, Kampala, Uganda

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Makerere University; Kampala, Uganda	MBCbB	06/92	Medicine and Surgery
Makerere University; Kampala, Uganda	MMed	06/99	Paediatrics
Institute of Clinical Neurology Bologna, Italy	Specialty Fellowship	02-08/01	Epilepsy and EEG
Makerere University; Kampala, Uganda & Karolinska Institutet, Stockholm Sweden.	PhD	05/16	Paediatric Neurology
Makerere University; Kampala, Uganda & University of Cambridge, UK	Post-doctoral fellow	12/16-12/20	Paediatric Neurology (Arbovirology)

A. Personal Statement

As a child neurologist who has worked in sub-Saharan Africa for almost all my entire professional career, I have extensive experience in the diagnosis of disorders affecting the child's nervous system in this setting and have worked in the field of epilepsy for over 20 years sharing my time between teaching, research and clinical practice. I was a co-principal investigator in a collaborative African multisite study investigating the Epidemiology of Epilepsy in sub Saharan Africa funded by Wellcome Trust UK in which we looked at the prevalence, clinical features, risk factors and the treatment gap. Currently with collaborators from Duke University, North Carolina, USA we have conducted a Nationwide Population-Based study on Epilepsy prevalence and investigated the barriers to epilepsy care and treatment in Uganda. We plan to set up a Centre of Excellence in Epilepsy Care and Research in Uganda. With collaborators in Sweden, Karolinska Institute we are studying the epidemiology of Cerebral palsy in Ugandan children and testing the efficacy of low cost community interventions for their holistic care. As part of a team comprised of other researchers from Malawi, UK, Pakistan and Uganda we have completed a study looking at how best to identify children with disabilities using a global approach. For my post-doctoral fellowship, I am investigating Zika virus prevalence, its genotype, the Congenital Zika syndrome and its effects on the developing human brain in Ugandan children.

B. Positions and Honors

Positions and Employment

08/93 – 08/96	Medical Officer, Child Survival Training Unit, Department of Pediatrics and Child Health, Mulago National Referral Hospital (MNRH)
09/96 – 08/99	Senior House Officer, Department of Pediatrics and Child Health, MNRH
09/99 – 09/08	Medical Officer Special Grade/Paediatrician, Department of Pediatrics and Child Health, MNRH
10/08- 06/16	Lecturer/Child neurologist, Department of Pediatrics and Child Health, Makerere College of Health Sciences; Kampala, Uganda
07/16- to Present	Senior Lecturer/ Child neurologist, Department of Pediatrics and Child Health, Makerere College of Health Sciences; Kampala, Uganda

Other Experience and Professional Memberships

1. Chair of the International League Against Epilepsy Africa region- 2017-2021.
2. President Epilepsy Society Uganda (EPISOU)-Uganda (branch of the International League Against Epilepsy)- (served for two consecutive terms up to April 2019).
3. Member of Uganda Women Doctors Association. (1993 to date).
4. Member of Uganda Medical Association. (1993 to date).
5. Member of Uganda Paediatric Association. (1999 to date).
6. Treasurer on the Commission on African Affairs of the International League Against Epilepsy (ILAE) (period 2010-2013) and re-elected (period 2014-2017).
7. Board member of African Child Neurology Association. (ACNA) (May 2010 to date).

8. Board member of Women in World Neuroscience (WWN) (July 2011 to date).
9. Treasurer and founder member of the East African Academy on Childhood Disability (Jan 2014 to date).
10. Member of the American Academy for Cerebral Palsy and Developmental Medicine AACPDM (Sep 2014 to 2019).
11. Board Member of the African Regional Committee of the International Brain Research Organization (IBRO-ARC) for period 2014- to date.

Honors

1. **Mentee Awardee** –of the Collegium Internationale Neuropsychopharmacologicum (CINP) Research Mentor Program. June 2005 to June 2008.
2. American Epilepsy Society, (AES) **International Scholarship Award**. November-December 2005. This was undertaken at Children's Hospital Boston, Massachusetts, USA
3. **Honorary Mention for best Mentor-Mentee Pair Award, for Prof. Dirk Dhossche & Dr. Kakooza-Mwesige. Angelina** at the 50th Anniversary of the CINP, XXVI CINP Congress Internationales congress, in Munich, Germany, July 2008.
4. **African Doctoral Dissertation Fellowship Award (ADDRF)** award given to promising African researchers during their doctoral studies to enable them complete their studies. (May 2011-14).
5. The '**Charles C. Shepard Science Award**' for demonstrating excellence in science from the U.S Department of Health and Human Services, Centers for Disease Control and Prevention, Agency for Toxic Substance and Disease Registry. In recognition of our paper entitled "An Epidemiologic Investigation of Potential Risk Factors for Nodding Syndrome in Kitgum District, Uganda" *PLoS One* 2013; 8 (6): E667419. June 6th 2014.
6. **WWN/SFN Collaborative Research Network Program (CRNP) Research Award** -award given to women scientists and seeks to establish partnerships between mid-career women neuroscientists with faculty positions at academic institutions in low and middle income countries (Dec 2014-Dec 2015).
7. **AACPDM International scholarship award**- this is an International Scholarship from the American Academy for Cerebral Palsy and Developmental Medicine (AACPDM) given to attend the 69th Annual Meeting in Austin, Texas, on October 21st - 24th, 2015.
8. **THRIVE-2 Post-Doctoral Award** Dec 2016 to Dec 2020 for my study on Zika Virus. THRIVE-2 is supported through the DELTAS Africa Initiative grant # DEL-15-011, an independent funding scheme of the African Academy of Sciences (AAS)'s Alliance for Accelerating Excellence in Science in Africa (AESA) with support from New Partnership for Africa's Development Planning and Coordinating Agency (NEPAD Agency), the Wellcome Trust and the UK government.
9. **Best Poster Award**-This was for a poster on my post-doctoral study on the Zika virus in Uganda, presented during the 2nd DELTAS Africa Grantees Annual meeting in Accra, Ghana 5th July 2017.
10. **The Uganda Golden Jubilee Award Medal**-This was bestowed on me by His Excellency the President of Uganda, Yoweri Kaguta Museveni on International Women's day celebrations on 8th March 2018, in recognition of my contribution to the field of Science and Technology, in the area of paediatric neurology in Uganda.
11. **Best English Oral Presentation** at the Research Networking Symposium for the African Doctoral Dissertation Research Fellowship (ADDRF) May 15 – 16, 2019, in Dakar, Senegal.

C. Contributions to Science- Selected Peer-reviewed Publications (of total >80).

1. *Global Research on Developmental Disabilities Collaborators* Bolajoko O Olusanya, Adrian C Davis, Donald Wertlieb, Nem-Yun Boo, M K C Nair, Ricardo Halpern, Hannah Kuper, Cecilia Breinbauer, Petrus J de Vries, Melissa Gladstone, Neal Halfon, Vijaya Kancherla, Mphelakedzeni C Mulaudzi, **Angelina Kakooza-Mwesige**, Felix A Ogbo, *et al.* **Global Burden of Childhood Epilepsy, Intellectual Disability, and Sensory Impairments.** *PEDIATRICS* Volume 146, number 1, July 2020: e20192623
2. Braga P, Hosny H, **Kakooza-Mwesige A**, Rider F, Tripathi M; Guekht A. **How to understand and address the culturally appropriate aspects and consequences of the diagnosis of epilepsy, including stigma.** *Epileptic Disorders* 2020. *IN PRESS*
3. **Kakooza-Mwesige A**, Kaddumukasa M, Koltai DC, Kaddumukasa MN, Nakasujja N, Kajumba M, Nakku J, Kolls BJ, Fuller AT, Teuwen DE, & Haglund MM. **Leveraging the lessons learned from studies on the cultural context of epilepsy care in Uganda: Opportunities and future directions.** *Epil Beh* 2020. *IN PRESS*
4. Koltai DC, **Kakooza-Mwesige A**, & Haglund MM. **Understanding the cultural context of epilepsy care in Uganda: Introduction to this special issue.** *Epil Beh* 2020. *IN PRESS*
5. Koltai DC, Smith CE, Cai GY, Ratliff O, **Kakooza-Mwesige A**, Najjuma JN, Muhindo R, Rukundo GZ, Teuwen DE, Kayanja A, Kalubi P, Haglund MM, & Fuller AT. **Healthcare provider perspectives regarding epilepsy care in Uganda.** *Epil Beh* 2020. *IN PRESS*
6. Fuller AT, Almojuela A, Kaddumukasa MN, Chakraborty P, Smith PJ, Kolls BJ, Van Belleghem F, Muhumuza C, Nshemerirwe S, Kaddumukasa M, Nakasujja N, Nakku J, **Kakooza-Mwesige A**, Haglund MM, & Koltai DC. **Hospital-based epilepsy care in Uganda: A prospective study of three major public referral hospitals.** *Epil Beh* 2020. *IN PRESS*
7. Kaddumukasa M, Smith PJ, Kaddumukasa MN, Kajumba M, Almojuela A, Bobholz S, Chakraborty P, Sinha DD, Nakasujja N, **Kakooza-Mwesige A**, Gualtieri A, Onuoha E, Nakku J, Sanchez N, Muhumuza C, Fuller AT, Haglund MM,

- & Koltai DC. **Epilepsy beliefs and misconceptions among patient and community samples in Uganda.** *Epil Beh* 2020. *IN PRESS*
8. Kaddumukasa MN, Kaddumukasa M, Kajumba M, Smith PJ, Bobholz S, **Kakooza-Mwesige A**, Sinha DD, Almojuela A, Chakraborty P, Nakasujja N, Nakku J, Gualtieri A, Onuoha E, Kolls BJ, Muhumuza C, Smith CE, Sanchez N, Fuller AT, Haglund MM, & Koltai DC. **Barriers to biomedical care for people with epilepsy in Uganda; A cross-sectional study.** *Epil Beh* 2020. *IN PRESS*
9. Smith CE, Kajumba M, Bobholz S, Smith PJ, Kaddumukasa M, **Kakooza-Mwesige A**, Chakraborty P, Sinha DD, Kaddumukasa MN, Gualtieri A, Nakasujja N, Onuoha E, Nakku J, Muhumuza C, Sanchez N, Fuller AT, Haglund MM, & Koltai DC. **Pluralistic and singular causal attributions for epilepsy in Uganda.** *Epil Beh* 2020. *IN PRESS*
10. Koltai DC, Dunn T, Smith PJ, Sinha DD, Bobholz S, Kaddumukasa M, **Kakooza-Mwesige A**, Kajumba M, Smith CE, Kaddumukasa MN, Teuwen DE, Nakasujja N, Chakraborty P, Kolls BJ, Nakku J, Haglund MM, & Fuller AT. **Sociocultural determinants and patterns of healthcare utilization for epilepsy care in Uganda.** *Epil Beh* 2020. *IN PRESS*
11. Chakraborty P, Sanchez NA, Kaddumukasa M, Kajumba M, **Kakooza-Mwesige A**, Van Nord M, Kaddumukasa MN, Nakasujja N, Haglund MM, & Koltai DC. **Stigma reduction interventions for epilepsy: A systematized literature review.** *Epil Beh* 2020. *IN PRESS*
12. **Kakooza-Mwesige A**, Ndyomugenyi D, Pariyo G, Peterson SS, Newton CRJC et al, and the SEEDS writing group. **Adverse perinatal events, treatment gap and positive family history linked to the high burden of active convulsive epilepsy in Uganda: a population-based study.** *Epilepsia Open*, 2017. 2: 188–198. doi:10.1002/epi4.12048.
13. Carrizosa Moog J, **Kakooza-Mwesige A**, Tan CT. **Epilepsy in the tropics: Emerging etiologies.** *Seizure*. 2017. Vol 44. pgs 108-122. doi: 10.1016/j.seizure.2016.11.032.
14. Atugonza R, **Kakooza-Mwesige A**, Lhatoo S, Kaddumukasa M, Mugenyi L, Sajatovic M, Katabira E, Idro R. **Multiple anti-epileptic drug use in children with epilepsy in Mulago hospital, Uganda: a cross sectional study.** *BMC Pediatrics* (2016) 16:34. DOI 10.1186/s12887-016-0575-0
15. Idro R, Opar B, Wamala J, Abbo C, Onzivua S, Mwaka DA, **Kakooza-Mwesige A**, Mbonye A, Aceng JR, **Is nodding syndrome an Onchocerca volvulus induced neuro-inflammatory disorder? Uganda's story of research in understanding the disease.** *International Journal of Infectious Diseases* (2016), <http://dx.doi.org/10.1016/j.ijid.2016.03.002>
16. Kariuki SM, **Kakooza-Mwesige A**, Wagner RG, Chengo E, White S, Kamuyu G, Ngugi AK, Sander JW, Neville BG, Newton CR; SEEDS Writing Group. **Prevalence and factors associated with convulsive status epilepticus in Africans with epilepsy.** *Neurology*. 2015 May 5; 84(18):1838-45. doi: 10.1212/WNL.0000000000001542.
17. **Kakooza-Mwesige A**, Dhossche, DM, Idro, R, Akena, D, Nalugya, J, Opar, BT. **Catatonia in Ugandan children with nodding syndrome and effects of treatment with lorazepam: a pilot study.** *BMC Research Notes*. 8(1) 2015. doi: 10.1186/s13104-015-1805-5.
18. **Kakooza-Mwesige A**, **The importance of botanical treatments in traditional societies and challenges in developing countries.** *Epilepsy & Behavior* 08/2015; DOI:10.1016/j.yebeh.2015.06.017.
19. Rose Nazziwa R, **Kakooza Mwesige A**, Obua C, Ssenkusu JM, Mworozzi E. **Adherence to antiepileptic drugs among children attending a tertiary health unit in a low resource setting.** *Pan Afri Med J*. 2014 Jan 22;17: 44. doi: 10.11604/pamj.2014.17.44.3399. eCollection 2014.
20. Kariuki SM, Matuja W, Akpalu A, **Kakooza-Mwesige A**, Chabi M, Wagner RG, Connor M, Chengo E, Ngugi AK, Odhiambo R, Bottomley C, White S, Sander JW, Neville BG, Newton CR; SEEDS writing group, **Clinical features, proximate causes, and consequences of active convulsive epilepsy in Africa.** *Epilepsia*: 2014 Jan; 55(1): 76-85. doi: 10.1111/epi.12392.
21. Ngugi AK, Bottomley C, Kleinschmidt I, Wagner RG, **Kakooza-Mwesige A**, Ae-Ngibise K, Owusu-Agyei S, Masanja H, Kamuyu G, Odhiambo R, Chengo E, Sander JW, Newton CR; SEEDS group. **Prevalence and risk factors for active convulsive epilepsy in sub-Saharan Africa: cross-sectional and case control studies.** *Lancet Neurol*, 2013 Mar; 12(3):253-63, doi: 10.1016/S1474-4422(13)70003-6.
22. Foltz JL, Makumbi I, Sejvar JJ, Malimbo M, Ndyomugenyi R, Atai-Omoruto AD, Alexander LN, Abang B, Melstrom P, **Kakooza-Mwesige A**, Olara D, Downing RG, Nutman TB, Dowell SF, Lwamafa DK. **An Epidemiologic Investigation of Potential Risk Factors for Nodding Syndrome in Kitgum District, Uganda.** *PLOS ONE* 2013 Jun 18; 8(6): e66419. doi:10.1371/journal.pone.0066419.
23. Idro R, Opoka RO, O, Aanyu HT, **Kakooza Mwesige A**, Piloya-Were T, Namusoke H, Aceng JR, Tumwine JK *et al*. **Nodding syndrome in Ugandan children—clinical features, brain imaging and complications: a case series.** *BMJ Open* 2013; May 3; 3(5). pii:e002540. doi:10.1136/bmjopen-2012-002540.
24. Sejvar JJ, **Kakooza-Mwesige A**, Foltz JL, Makumbi I, Atai-Omoruto AD, Malimbo M, Ndyomugenyi R, Winkler AS, Dowell SF, Lwamafa D *et al*. **Clinical, Neurologic, and Electrophysiologic Features of Nodding Syndrome, Kitgum, Uganda: An Observational Case Series** *Lancet Neurol*. 2013 Feb;12(2):166-74. doi: 10.1016/S1474-4422(12)70321-6.