
BIOGRAPHICAL SKETCH

NAME: DR. ANGELLA MUSIIMENTA**Email:** amusiimenta@must.ac.ug**Tel:** +256 776 820 598**Twitter:** https://twitter.com/dr_angella_m**Skype:** Angella.musiimenta**Website:** <https://www.angelscompassion.org/><https://voicesofgoodnewsministry.com/><http://fci.must.ac.ug/member/angellamusiimenta/>**eRA commons user name** (credential, e.g., agency login): ANGELLAMUSIIMENTA**Position:** Senior Lecturer and Deputy Dean, Faculty of Computing and Informatics, Mbarara University of Science and Technology.**Education**

<i>INSTITUTION AND LOCATION</i>	<i>DEGREE (If applicable)</i>	<i>COMPLETION DATE (MM/YYYY)</i>	<i>FIELD OF STUDY</i>
Manchester Business School, The University of Manchester, United Kingdom	PhD	09/2011	Information Systems
The University of Leeds, United Kingdom	MSc	09/2005	Information Systems
Mbarara University of Science and Technology	BCS	02/2003	Computer Science

Selected research training/fellowships

Institution and Location	Completion Date(mm/yyyy)	Field of Study
McGill University, Montreal, Canada	06/ 2018	Tuberculosis research methods
Makerere University School of Public Health, Uganda	11/2017	Mixed quantitative and qualitative research methods
Harvard Medical School, Harvard University USA	10/2017	Qualitative research methods for global health research
Makerere University School of Public Health, Uganda	04/2016	Implementation Science in healthcare
Brown International Advanced Research Institute (BIARI), USA	06/2013	Global health

Personal Statement

Dr. Angella Musiimenta is a Senior Lecturer and the Deputy Dean of Faculty of Computing and Informatics, Mbarara University of Science and Technology. Since 2007, she has been in active research in using patient-centred technology-assisted behavioral change interventions for improving the health of Ugandans. She is a dedicated, diligent and passionate professional with an exceptional academic background, outstanding problems solving skills, and a strong passion for behavioral science research. In 2016, she emerged the first Ugandan to win a prestigious 'emerging global leader' K43 award (1K43TW010388) that investigates the use of mobile health technologies to support TB medication adherence in rural Uganda. In 2017, with funding support from the German Federal Ministry of Education and Research, she emerged first Ugandan to win the German-African Innovation Incentive award (01DG18004) to support maternal health using mobile health multimedia technologies in Uganda. Between 2016, she co-investigated two NIH-funded studies (R34MH100940, and R21 AI108329 that support ART adherence using mobile health technology. She is also managing an eLearning project supported by the Swedish Programme for ICT in Developing and Emerging Regions (SPIDER), whose aim is to enhance the teaching and learning of mathematics and basic health in schools based in Nakivale refugee settlement. Additionally, she is coordinating a STEM for Girls project supported by Education Partnership Africa whose aim is to encourage girls' participation in STEM subjects and careers. Regarding her previous engagements, her Commonwealth-sponsored PhD research (pursued at the University of Manchester—UK) explored the use computer-assisted interventions to prevent HIV/AIDS among the youth in Uganda. She has specific training and expertise in mobile health technologies, TB research methods, implementation research, qualitative and behavioral science methodology, and quantitative research.

Positions and employment

2003 -Date: Senior Lecturer, Faculty of Computing and Informatics, Mbarara University of Science and Technology, Uganda.

Selected peer reviewed journal publications

1. **Musiimenta** A, Tumuhimbise W, Pinkwart N, Katusiime J, Mugenyi G, Atukunda EC. (2020). Pregnant Women's perspectives on the use of a Mobile phone-based Multimedia Application for Maternal Health in Rural Southwestern Uganda: Mixed Methods Study. *Online Journal of Public Health Informatics*
2. Tumuhimbise W, Atukunda EC, Ayebaza S, Katusiime J, Mugenyi G, Pinkwart N, **Musiimenta** A. (2020). Maternal Health-related Barriers, and the Potentials of Mobile Health Technologies: Qualitative Findings from a Pilot Randomized Controlled Trial in Rural South western Uganda. *Journal of Family Medicine and Primary Care*.
3. Atukunda EC, Mugenyi G, **Musiimenta** A, Obua C, Agaba E, Ware NC, and Matthews L. (2020). Women's choice to deliver at home: Understanding the psycho-social and cultural factors influencing birthing choices for unskilled home delivery amongst women in south western Uganda, *Journal of Pregnancy*.
4. Atukunda EC, Mugenyi G, **Musiimenta** A, Obua C, Agaba E, Ware NC, and Matthews L. (2020). Sustained and structured family planning support facilitates effective use of postpartum contraception amongst women living with HIV in South Western Uganda: A randomized controlled trial, *PLOS Medicine*.
5. **Musiimenta**, A., Tumuhimbise, W., Mugaba, A.T., Muzoora, C., Armstrong-Hough, M., Bangsberg, D., Davis, J.L. and Haberer, J.E., Mobile Health Technologies May Be Acceptable Tools for Providing Social Support to Tuberculosis Patients in Rural Uganda: A Parallel Mixed-Method Study, *Tuberculosis Research and Treatment*, vol. 2020, Article ID 7401045, 8 pages, 2020.
<https://doi.org/10.1155/2020/7401045>.
6. **Musiimenta** A, Tumuhimbise W, Mugaba AT, Muzoora C, Armstrong-Hough M, Bangsberg D, Davis JL, Haberer JE. (2019), Digital Monitoring Technologies Could enhance Tuberculosis Medication

Adherence in Uganda: Mixed Methods Study, *Journal of Clinical Tuberculosis and Other Mycobacterial Diseases*, doi: <https://doi.org/10.1016/j.ijctube.2019.100119>. PMID: [PMCID: PMC6880126](https://pubmed.ncbi.nlm.nih.gov/31268801/)

7. **Musiimenta**, A., Tumuhimbise, W., Bangumya, E., Mugaba, A.T., Mugonza, R., Kobutungi, P. and Nankunda, M., (2019). Exploring the Gender Gap in Science, Technology, Engineering, and Mathematics (STEM), and Soft Skills, and Knowledge of Role of Models among Students in Rural Uganda. *Journal of Education and Development*, 3(3).
8. **Musiimenta**, A., Tumuhimbise, W., Nankunda, M., Bangumya, E., Atuhaire, J., Mugonza, R., Kobutungi, P. and Mugaba, A.T., (2019). Electronic Learning May Improve the Teaching and Learning of Mathematics and Science in Marginalized Schools in Nakivale Refugee Settlement, Uganda: A Baseline Analysis. *Journal of Education and Development*, 3(2), p.63.
9. **Musiimenta** A, Atukunda EC, Tumuhimbise W, and Haberer JE (2018): Resilience after withdrawing a technology-based medication adherence support intervention from people living with HIV in rural Uganda, *AIDS Care*, DOI: [10.1080/09540121.2018.1510107](https://doi.org/10.1080/09540121.2018.1510107). MID:30626191, PMID:[PMCID: PMC6531604](https://pubmed.ncbi.nlm.nih.gov/3126531604/)
10. **Musiimenta**, A., Esther, C. A., Tumuhimbise, W., Emily E., P., Melanie, T., Wyatt, M. A., ... Haberer, J. E. (2018). Real-time Antiretroviral Therapy Adherence Interventions are Acceptable and Feasible in Rural Uganda: Mixed Methods Findings from a Pilot Randomized Controlled Trial. *JMIR Mhealth Uhealth* ;6(5):e122) di:10.2196/mhealth.9031
11. Subbaraman R, de Mondesert L, **Musiimenta** A, et al. Digital adherence technologies for the management of tuberculosis therapy: mapping the landscape and research priorities. *BMJ Glob Health* 2018;3:e001018. doi:10.1136/ bmjgh-2018-001018
12. Haberer JE, **Musiimenta** A, Atukunda EC, Musinguzi N, Wyatt MA, Ware NC, Bangsberg DR. (2016). Short message service (SMS) reminders and real-time adherence monitoring improve antiretroviral therapy adherence in rural Uganda. *AIDS*. 30(8):1295-300. doi: 10.1097/QAD.0000000000001021
13. Ware NC, Pisarski EE, Tam M, Wyatt MA, Atukunda EC, **Musiimenta** A, Bangsberg DR, Haberer JE. . (2016). The Meanings in the Messages: How SMS Reminders and Real-time Adherence Monitoring Promote Adherence to Antiretroviral Therapy in Rural Uganda. *AIDS*.
14. Atukunda EC, **Musiimenta** A, Musinguzi N, Wyatt MA, Ashaba J, Ware NC, Haberer JE. (2016). Understanding patterns of social support and their relationship to an ART adherence intervention among adults in rural southwestern Uganda. *AIDS and Behavior*, DOI 10.1007/s10461-016-1559-7
15. Campbell, J. I., Eyal, N., **Musiimenta**, A., Burns, B., Natukunda, S., Musinguzi, N., & Haberer, J. E. (2018). Ugandan Study Participants Experience Electronic Monitoring of Antiretroviral Therapy Adherence as Welcomed Pressure to Adhere. *AIDS Behav*. doi: 10.1007/s10461-018-2200-8
16. Campbell JI, **Musiimenta** A, Burns B, Natukunda S, Musinguzi N, Haberer JE, Eyal N. (2018). The importance of how research participants think they are perceived: results from an electronic monitoring study of antiretroviral therapy in Uganda. *AIDS Care*, doi: 10.1080/09540121.2018.1556381
17. Campbell JI, Haberer HE, **Musiimenta** A, Eyal N.(2018) Dependence on Digital Medicine in Resource-Limited Settings, *The American Journal of Bioethics*, 18:9, 54-56, DOI: [10.1080/15265161.2018.1498949](https://doi.org/10.1080/15265161.2018.1498949)
18. Campbell JI, Eyal N, **Musiimenta** A, Haberer JE. Ethical Questions in Electronic Adherence Monitoring. *JGIM, Journal of General Internal Medicine*; 2015.
19. **Musiimenta**, A., Tumuhimbise, W., Bangumya, E., Mugaba, A.T., Mugonza, R., Kobutungi, P. and Nankunda, M., (2019). Exploring the Gender Gap in Science, Technology, Engineering, and Mathematics (STEM), and Soft Skills, and Knowledge of Role of Models among Students in Rural Uganda. *Journal of Education and Development*, 3(3).
20. **Musiimenta**, A., Tumuhimbise, W., Nankunda, M., Bangumya, E., Atuhaire, J., Mugonza, R., Kobutungi, P. and Mugaba, A.T., (2019). Electronic Learning May Improve the Teaching and Learning

of Mathematics and Science in Marginalized Schools in Nakivale Refugee Settlement, Uganda: A Baseline Analysis. *Journal of Education and Development*, 3(2), p.63.

21. **Musiimenta**, A. Social & Institutional issues in the Adoption of School-based Technology-aided Sexual Health Education Program. *Online Journal of Public Health Informatics*, 2013, 5(2).
22. **Musiimenta**, A. A Controlled Pre-Post Evaluation of a Computer-based HIV/AIDS Education on Students' Sexual Behaviors, Knowledge and Attitudes. *Online Journal of Public Health Informatics*, 2012, 4(1), PMID:23569636, DOI:[10.5210/ojphi.v4i1.4017](https://doi.org/10.5210/ojphi.v4i1.4017)
23. **Musiimenta**, A. Information Technology-Mediated Issues in Sexual Health and HIV/AIDS Education. *Electronic Journal of Information Systems in Developing Countries*, 2012, 53(3).
Musiimenta, A. Contextual Mediators influencing the Effectiveness of Behavioural Change Interventions: A Case of HIV/AIDS Prevention Behaviours. *Online Journal of Public Health Informatics*, 2012, 4(2). [PMC3615813](https://pubmed.ncbi.nlm.nih.gov/3615813/), DOI:[10.5210/ojphi.v4i2.3988](https://doi.org/10.5210/ojphi.v4i2.3988)

Book publication

24. **Musiimenta**, A. *Can Schools Become Centres for Sexuality and HIV/AIDS Education? Valuable Insights from the Implementation and Adoption of a Computer-assisted Sexuality and HIV/AIDS Intervention*, (2012). ISBN: 978-3-659-00126-0. LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany.

Conference Publication

25. Baryashaba A., **Musiimenta** A., Mugisha S., Binamungu L.P. (2019) Investigating the Adoption of an Integrated Hospital Information System in Rural Uganda: A Case of Kisiizi Hospital. In: Nielsen P., Kimaro H. (eds) *Information and Communication Technologies for Development. Strengthening Southern-Driven Cooperation as a Catalyst for ICT4D. ICT4D 2019. IFIP Advances in Information and Communication Technology*, vol 552. Springer, Cham

Other Publications

26. Musiimenta, A. 16 Ways to Reduce Maternal Mortality. MS Magazine, July 2010. Available online at: <http://msmagazine.com/blog/2010/07/28/16-ways-to-reduce-maternal-mortality/>
27. Musiimenta, A. Stigma and Discrimination Surrounding HIV/AIDS. Conversation for a Better World, August 2010. UNFPA. Available online at: <http://www.conversationsforabetterworld.com/2010/08/stigma-and-discrimination-surrounding-hiv-aids/>

Selected on-going funding support

1. K43— 1K43TW010388-01 30/07/16 -30/08/2021
NIH/Fogarty \$500,000
Real time Tuberculosis Medication Adherence Intervention in Rural Southwestern Uganda.
Role: PI
2. Swedish Programme for ICT in Developing and Emerging Regions 01/06/2020
SPIDER SEK 460524
Remote open learning for mathematics and health education in Nakivale Refugee Settlement, Uganda
(Role Academy)
Role: PI
3. STEM for Girls Project (PI: Musiimenta) 12/02/2016 – 30/12/2020
Education Partnership Africa
Encouraging school girls to pursue STEM subjects
Role: PI

Selected completed funding support

1. German-African Innovation Incentive award (01DG18004) (PI: Musiimenta) 15/02/2018 – 30/04/2020
German Federal Ministry of Education and Research Euros 150,000
Using a mobile phone-based multimedia technology to support maternal health in rural southwestern Uganda (MatHealth)
Role: PI
2. Dnr:SU-323-5.1.2-0419-17 10/11/2017 – 30/11/2019
SPIDER: SEK 1,025,000
E-Learning and Multimedia Technology for Mathematics and Basic Health education in Nakivale Refugee Camp, Uganda
Role: PI
3. R34 MH100940-01 (PI: Haberer) 06/1/13 – 05/31/16
NIH/NIMH \$240,098
Development of Real-Time Antiretroviral Therapy Adherence Intervention in Uganda.
Role: Co-Investigator
4. R21 AI108329-01 (PI: Haberer) 06/07/13-06/30/16
NIH/NIAID \$273,088
The ethics of electronic adherence monitoring for HIV research and care in Uganda
Role: Co-Investigator
5. TFR14-00388 12/01/2014–30/01/2015
Google K-12 Education Out-reach Grant \$30,000
Inspiring Girls involvement in STEM fields in South-western Uganda, through career guidance, role modeling, TV/Radio talk shows and summer camps.
6. DAAD 413 01/11/2014-30/11/2015
DAAD Euros 70,000
Promoting problem-based teaching and learning methods through faculty and students' capacity building, exchange programs, and industrial placements.
Role: PI
7. Gender workshop grant 05/07/2017
Association of Commonwealth Universities GBP 5000
Inspiring women in science education and research.
Role: PI