# Technical Review Panel Member

Curriculum Vitae

Name: Irene N. Mukui
Nationality: Kenyan
Additional languages: English, Kiswahili
Expertise: HIV

## Qualifications

| Qualification | Institution | Department | Year |
|---|---|---|---|
| PhDc | University of Washington, Seattle, USA | Global Health | |
| MPH-Epidemiology | University of Washington, Seattle, USA | Epidemiology | 2018 |
| MBChB | University of Nairobi, Kenya | School of Medicine | 2002 |

## Employment History

| Employer | Position | Place | Year |
|---|---|---|---|
| University of Washington | Research Assistant | Seattle, USA | 2022-Current |
| Drugs for Neglected Diseases Initiative (DNDi) | HIV expert/ Consultant | Kenya | 2024 March-Ongoing |
| DNDi | Head of Disease, HIV | Kenya | 2022 |
| DNDi | HIV Access Leader | Kenya | 2020- 2022 |

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|---|---|---|---|
| Ministry of Health | Public Health specialist & - Universal Health coverage secretariat | Kenya | 2019-2020 |
| Ministry of Health, National AIDS Control Program (NASCOP) | Program Manager- HIV PrEP & Deputy Head NASCOP | Kenya | 2017-2019 |
| Ministry of Health, National AIDS Control Program (NASCOP) | HIV Care and Treatment Manager | Kenya | 2009-2016 |
| MOH-NASCOP | Pediatric HIV focal point | Kenya | 2007-2009 |
| Nairobi Province -MOH | Provincial AIDs & STI Coordinator | Kenya | 2006-2007 |
| Nairobi Province- MOH | District Medical officer of Health, Clinician | Kenya | 2004-2006 |

**Other positions**

Co-chair WHO HIV Drug Resistance Network Steering Group -2018 to 2023

Member, Kenya HIV Tribunal (Kenya Judiciary) - 2023 to 2026

**Relevant Publications**

Full list can be found here
https://pubmed.ncbi.nlm.nih.gov/?term=Irene+Mukui&sort=pubdate&size=50

List K, Agamile P, Alia DY, Cherutich P, Danforth K, Kinuthia J, Means AR, **Mukui I,** Ngumbau N, Su Y, Wagner AD, Weiner BJ, Masyuko S. Reimagining policy implementation science in a global context: a theoretical discussion. Front Health Serv. 2024 Sep 20;4:1292688. doi: 10.3389/frhs.2024.1292688. PMID: 39371575; PMCID: PMC11449972.

Patel RC, Oyaro P, Thomas KK, Basha GW, Wagude J, **Mukui I,** Brown E, Hassan SA, Kinywa E, Oluoch F, Odhiambo F, Oyaro B, Kingwara L, Karauki E, Yongo N, Otieno L, John-Stewart GC, Abuogi LL. Impact of point-of-care HIV viral load and targeted drug resistance mutation testing on viral suppression among Kenyan pregnant and postpartum women: results from a prospective cohort study (Opt4Mamas). J Int AIDS Soc. 2023 Nov;26(11):e26182. doi: 10.1002/jia2.26182. PMID: 37938856; PMCID: PMC10631517.

Abuogi L, Oyaro P, Wakjira G, Thomas KK, Scallon AJ, **Mukui I**, Chohan BH, Brown E, Karauki E, Yongo N, Ahmed B, Hassan SA, Wagude J, Kinywa E, Otieno L, Kingwara L, Oyaro B, Frenkel LM, John-Stewart G, Patel RC. HIV Drug Resistance Patterns and Characteristics Associated with Clinically Significant Drug Resistance among Children with Virologic Failure on Antiretroviral Treatment in Kenya: Findings from the Opt4Kids Randomized Controlled Trial. Viruses. 2023 Oct 12;15(10):2083. doi: 10.3390/v15102083. PMID: 37896860; PMCID: PMC10612029.

Ruel T, Penazzato M, Zech JM, Archary M, Cressey TR, Goga A, Harwell J, Landovitz RJ, Lain MG, Lallemant M, Namusoke-Magongo E, **Mukui I,** Permar SR, Prendergast AJ, Shapiro R, Abrams EJ. Novel Approaches to Postnatal Prophylaxis to Eliminate Vertical Transmission of HIV. Glob Health Sci Pract. 2023 Apr 28;11(2):e2200401. doi: 10.9745/GHSP-D-22-00401. PMID: 37116934; PMCID: PMC10141432.

Penazzato M, Kasirye I, Ruel T, **Mukui I,** Bekker A, Archary M, Musoke P, Essajee S, Siberry GK, Mahy M, Simnoue D, Simione B, Zech JM, Mushavi A, Abrams EJ; PNP meeting participants. Antiretroviral postnatal prophylaxis to prevent HIV vertical transmission: present and future strategies. J Int AIDS Soc. 2023 Feb;26(2):e26032. doi: 10.1002/jia2.26032. PMID: 36808699; PMCID: PMC9939941.

Patel RC, Oyaro P, Thomas KK, Wagude J, **Mukui I,** Brown E, Hassan SA, Kinywa E, Oluoch F, Odhiambo F, Oyaro B, Kingwara L, Karauki E, Yongo N, Otieno L, John-Stewart GC, Abuogi LL. Point-of-care HIV viral load and targeted drug resistance mutation testing versus standard care for Kenyan children on antiretroviral therapy (Opt4Kids): an open-label, randomised controlled trial. Lancet Child Adolesc Health. 2022 Oct;6(10):681-691. doi: 10.1016/S2352-4642(22)00191-2. Epub 2022 Aug 18. PMID: 35987208; PMCID: PMC9482947.

Penazzato M, Townsend CL, Sam-Agudu NA, Ruel TD, Archary M, Bekker A, Cressey TR, Colbers A, Sugandhi N, Rojo P, Rakhmanina N, Watkins M, Frigati L, **Mukui I,** Hafiz A, Vicari M, Capparelli EV, Abrams EJ; PADO-HIV 5 participants. Advancing the prevention and treatment of HIV in children: priorities for research and development. Lancet HIV. 2022 Sep;9(9):e658-e666. doi: 10.1016/S2352-3018(22)00101-1. Epub 2022 Jul 18. PMID: 35863362.

Patel RC, Oyaro P, Odeny B, **Mukui I,** Thomas KK, Sharma M, Wagude J, Kinywa E, Oluoch F, Odhiambo F, Oyaro B, John-Stewart GC, Abuogi LL. Optimizing viral load suppression in Kenyan children on antiretroviral therapy (Opt4Kids). Contemp Clin Trials Commun. 2020 Oct 27;20:100673. doi: 10.1016/j.conctc.2020.100673. PMID: 33195874; PMCID: PMC7644580.

Penazzato M, Amzel A, Abrams EJ, Kiragu K, Essajee S, **Mukui I,** Elyanu P, Rwebembera AA, Mbori-Ngacha D. Pediatric Treatment Scale-Up: The Unfinished Agenda of the Global Plan. J Acquir Immune Defic Syndr. 2017 May 1;75 Suppl 1:S59-S65. doi: 10.1097/QAI.0000000000001333. PMID: 28398998.

**Mukui IN,** Ng'ang'a L, Williamson J, Wamicwe JN, Vakil S, Katana A, Kim AA. Rates and Predictors of Non-Adherence to Antiretroviral Therapy among HIV-Positive Individuals in Kenya: Results from the Second Kenya AIDS Indicator Survey, 2012. PLoS One. 2016 Dec 1;11(12):e0167465. doi: 10.1371/journal.pone.0167465. PMID: 27907114; PMCID: PMC5131960.

Kim AA, **Mukui I,** Young PW, Mirjahangir J, Mwanyumba S, Wamicwe J, Bowen N, Wiesner L, Ng'ang'a L, De Cock KM; KAIS Study Group. Undisclosed HIV infection and antiretroviral therapy use in the Kenya AIDS indicator survey 2012: relevance to national targets for HIV diagnosis and treatment. AIDS. 2016 Nov 13;30(17):2685-2695. doi: 10.1097/QAD.0000000000001227. PMID: 27782965; PMCID: PMC6559732.

Kim AA, **Mukui I**, N'gan'ga L, Katana A, Koros D, Wamicwe J, De Cock KM; KAIS Study Group. Progress in Reversing the HIV Epidemic through Intensified Access to Antiretroviral Therapy: Results from a Nationally Representative Population-Based Survey in Kenya, 2012. PLoS One. 2016 Mar 1;11(3):e0148068. doi: 10.1371/journal.pone.0148068. PMID: 26930291; PMCID: PMC4773218.

Maman D, Zeh C, **Mukui I,** Kirubi B, Masson S, Opolo V, Szumilin E, Riche B, Etard JF. Cascade of HIV care and population viral suppression in a high-burden region of Kenya. AIDS. 2015 Jul 31;29(12):1557-65. doi: 10.1097/QAD.0000000000000741. PMID: 26244395; PMCID: PMC4502986.

Blaizot S, Riche B, Maman D, **Mukui I**, Kirubi B, Etard JF, Ecochard R. Estimation and Short-Term Prediction of the Course of the HIV Epidemic Using Demographic and Health Survey Methodology-Like Data. PLoS One. 2015 Jun 19;10(6):e0130387. doi: 10.1371/journal.pone.0130387. PMID: 26091253; PMCID: PMC4474856.

Masyuko S, **Mukui I,** Njathi O, Kimani M, Oluoch P, Wamicwe J, Mutegi J, Njogo S, Anyona M, Muchiri P, Maikweki L, Musyoki H, Bahati P, Kyongo J, Marwa T, Irungu E, Kiragu M, Kioko U, Ogando J, Were D, Bartilol K, Sirengo M, Mugo N, Baeten JM, Cherutich P, PrEP Technical Working Group OBOT. Pre-exposure prophylaxis rollout in a national public sector program: the Kenyan case study. Sex Health. 2018 Nov;15(6):578-586. doi: 10.1071/SH18090. PMID: 30408432; PMCID: PMC7206896.