

UCSF EAST AFRICA INTEREST GROUP

TRAINING IN RESEARCH FOR EAST AFRICAN SCIENTISTS: INVENTORY OF RESOURCES

Name of UC research training program: **Training in Malaria Research in Uganda**

Primary UC contact person(s), affiliation:

Phil Rosenthal, Department of Medicine, UCSF, prosenthal@medsfgh.ucsf.edu

Program website: www.muucsf.org

Institutional partners and location(s) in East Africa:

MU-UCSF Research Collaboration (Kampala, Uganda); Makerere University (Kampala, Uganda)

Please describe the focus and objectives of your research training program (for East African scientists):

Training Ugandan investigators in: 1) clinical malaria research, 2) epidemiologic methods relevant to the study of antimalarial drug resistance, and 3) methods of molecular parasitology research pertinent to the study of antimalarial drug resistance.

- x Program includes an in-country training component.
- x Program includes a mentoring component.

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

Mostly at MSc level; some PhD and postdoctoral trainees.
About 10 active trainees, with 3-5 new trainees per year.

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

Occasional workshops, often shared with other programs.
Frequent training in the Responsible Conduct of Research.

Primary funding source of program: NIH/Fogarty International Center

What training initiatives does your African partner institution have in place (in-country)?

- x Laboratory/GLP training
- x Clinical/GCP training
- x Short courses (epidemiology, biostatistics, etc.)
- x Degree programs (e.g., MPH)
- x Journal clubs

Name of UC-affiliated research training program:

Uganda Malaria Clinical, Operational and Health Services Research (COHRE) Training Program

Primary UC contact person(s), affiliation:

Grant Dorsey, Department of Medicine, UCSF, gdorsey@medsfgh.ucsf.edu
[PI: Moses Kamyua, Makerere University (Uganda), mkamyua@infocom.co.ug]

Program website: www.muucsf.org

Institutional partners and location(s) in East Africa:

MU-UCSF Research Collaboration (Kampala, Uganda); Makerere University (Kampala, Uganda)

Please describe the focus and objectives of your research training program (for East African scientists):

Aims: 1) substantially increase the expertise of our trainees in relevant clinical, epidemiological, operational and health services research, 2) strengthen the sustainability of malaria research at Makerere University by integrating malaria research into on-going capacity building programs, 3) promote collaborations between academic/research institutions in Uganda and those in Europe and the US, 4) strengthen trainee contributions to evidence-based decision-making related to malaria control (in particular through interactions with the Uganda Ministry of Health), 5) optimize training through utilization of additional available resources in Uganda (including projects funded by the NIH, CDC, and President's Malaria Initiative (PMI), and 6) strengthen research capacity in Uganda by helping trainees to integrate into Ugandan institutions and pursue independently-supported scientific careers.

- x Program includes an in-country training component
- x Program include a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

Mostly MSc, Some PhD training; ~5 per year

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

Workshops in the Responsible Conduct of Research and other topics

Primary funding source of program: NIH/Fogarty International Center

What training initiatives does your African partner institution have in place (in-country)?

- Laboratory/GLP training
- Clinical/GCP training
- Short courses (epidemiology, biostatistics, etc.)
- Degree programs (e.g., MPH)
- Journal clubs

Name of UC research training program: **Training in Clinical Research (TICR) Program**

Primary UC contact person(s), affiliation:

Jeff Martin, UCSF, Martin@psg.ucsf.edu

Program website: <http://www.epibiostat.ucsf.edu/courses/post.html>

Institutional partners and location(s) in East Africa: Any interested institution

Please describe the focus and objectives of your research training program (for East African scientists):

The overall mission of the UCSF Training in Clinical Research (TICR) Program is to increase the number and quality of clinical investigators. This is achieved by offering a broad array of educational opportunities in the methods of clinical research to meet the diverse needs of trainees, faculty and staff at UCSF and its outside partners.

Program includes an in-country training component

Program includes a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

1-year Certificate Program (25)

2-year Master's Program (25)

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

Scientific presentation, grantwriting, and other professional skills are included.

Primary funding source of program: Student fees

What training initiatives does your African partner institution have in place (in-country)?

Laboratory/GLP training

Clinical/GCP training

Short courses (epidemiology, biostatistics, etc.)

Degree programs (e.g., MPH)

Journal clubs

Other

None

Name of UC research training program: **Training in HIV-Associated Malignancies**

Primary UC contact person(s), affiliation:

Jeff Martin, UCSF, Martin@psg.ucsf.edu

Program website:

Institutional partners and location(s) in East Africa: Infectious Diseases Institute (Kampala, Uganda)

Please describe the focus and objectives of your research training program (for East African scientists):

Comprehensive training in the methods of clinical and epidemiologic research, with application towards the investigation of HIV-associated malignancies in East Africa.

Program includes an in-country training component

Program includes a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

4 Master's Level

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

Scholars complete a two-year Master's Degree Program in the Training in Clinical Research (TICR) Program at UCSF.

Primary funding source of program: National Cancer Institute (D43)

What training initiatives does your African partner institution have in place (in-country)?

Laboratory/GLP training

Clinical/GCP training

Short courses (epidemiology, biostatistics, etc.)

Degree programs (e.g., MPH)

Journal clubs

Other

None

Name of UC research training program: **Basic and Translational Science Capacity**

Primary UC contact person(s), affiliation:

Stefanie Sowinski, PhD; Director of Translational Research Laboratory at IDI, Postdoctoral Fellow in Warner Greene's laboratory, stefanie.sowinski@gladstone.ucsf.edu

Program website: in development

Institutional partners and location(s) in East Africa:

Infectious Diseases Institute, College of Health Sciences, Makerere University's Mulago Hospital Complex (Kampala, Uganda), Email: office@idi.co.ug

Please describe the focus and objectives of your research training program (for East African scientists):

Building bench-based Basic and Translational Science Capacity

- x Program includes an in-country training component
- x Program includes a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

In 2012: 1 postdoc, 4 PhD students and 2 Master students

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

As a senior scientist in the Translational Lab, I provide help with project related scientific difficulties as well as with grant and/or manuscript writing and presentation skills.

Primary funding source of program:

Collaborations with Northern Institutions (CFAR, NIH, EU)

What training initiatives does your African partner institution have in place (in-country)?

- x Laboratory/GLP training
- x Clinical/GCP training
- x Short courses (epidemiology, biostatistics, etc.)
- x Degree programs (e.g., MPH)
- x Journal clubs

Other issues?

Funding for training positions (e.g. Master or PhD) only possible through collaboration with Northern institutions. No core funding from IDI itself.

Name of UC research training program:

International Traineeships in AIDS Prevention Studies Program (ITAPS)

Primary UC contact person(s), affiliation:

Jeffrey S. Mandel, PhD, MPH, Institute for Global Health/UCSF, jmandel@psg.ucsf.edu

Debbie Brickley, DrPH, Institute for Global Health/UCSF, dbain@psg.ucsf.edu

Program website:

<http://globalhealthsciences.ucsf.edu/prevention-public-health-group/training-resources/short-courses-at-ucsf/itaps>

Institutional partners and location(s) in East Africa:

Please see attached table of ITAPS alumni, their affiliations, and projects they worked on.

Please describe the focus and objectives of your research training program (for East African scientists):

Non-degree intensive workshops in research methods/protocol development (modeled on TIGR) and scientific manuscript preparation. Trainees design a pilot research protocol for implementation in their home country. Upon completion of data collection, trainees may attend a course in scientific writing to complete data analysis and prepare a manuscript for submission to the peer-reviewed literature. We have begun to implement a blended learning program with individual mentoring by UCSF faculty whereby selected didactic materials are offered through distance-learning modules. This enables faculty to devote themselves to individual mentoring of trainees, and requires shorter periods of time at UCSF to polish protocols or scientific manuscripts.

- x Program includes an in-country training component
- x Program includes a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

MDs, PhD, MPH, or terminal degree in their discipline.

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

Primary funding source of program: NIMH (R25), Fogarty AITRP, private funding

What training initiatives does your African partner institution have in place (in-country)?

- Laboratory/GLP training
- Clinical/GCP training
- Short courses (epidemiology, biostatistics, etc.)
- Degree programs (e.g., MPH)
- Journal clubs
- Other: Short courses and degree programs are under development at some partner institutions.
- None

ITAPS Program Alumni From East Africa

Year Attended	ITAPS Scholar	Current Affiliation	ITAPS Project
ETHIOPIA			
1990	Hailegnaw Eshete, MPH	Sr. Health Advisor and Consultant, POLICY project of Ethiopia	Evaluation of AIDS prevention in Ethiopia
2009	Manuel Kassaye Sebhatu, MD	Director for HIV/AIDS/Opportunistic Infection Care and Treatment Program, ITECH - affiliate of UCSF and University of Seattle (Addis Ababa)	Determine the magnitude of adherence to treatment among adult HIV patients initiated on antiretroviral medication
KENYA			
1990	Gabriel Mbugua, MD, MPH	Chief Research Officer, Director Center of Microbiology, KEMRI (Nairobi)	Epidemiology of HIV infection among long distance truck drivers in Kenya
1993,1996	Solomon Nzyuko, MA	Lecturer & Development Consultant at Daystar University	Adolescent high risk sexual behavior along the Trans-African Highway in Kenya
2009, 2010	Maricianah Onono, MBChB	KEMRI Research Officer, Nyanza Research Coordinator (Kisumu)	Examining the effects of women's HIV/AIDS knowledge, attitudes and testing status on their infant feeding intentions and practices
2013	Mamo Umuro Abudo, MSc, PhD	Manager, National HIV Reference Laboratory, Kenyan Ministry of Public Health and Sanitation (Nairobi)	Evaluation of a national proficiency testing program for rapid HIV testing in Kenya
2013	Charles Karue Kibaara, MA	Deputy Director Information Systems, KEMRI-UCSF FACES Program (Nairobi)	Determine whether treatment buddy (Tby) was associated with improved appointment adherence
2013	Zachary Arochi Kwena, MA	Social Scientist, Kenya Medical Research Institute (Nairobi)	Prevalence and risk factors for sexual concurrency among fishermen and their spouses
2013	Josephine Beatrice Odoyo, MA	Study Coordinator, Kenya Medical Research Institute	Knowledge of and preference for

		(Nairobi)	contraceptives for participants in Partners PrEP
2013	Kathleen Chelang'at Rono, MD, MPH	Investigator, Kenya (USAMRU-K)/Walter Reed HIV Project (WRP) Kericho (Nairobi)	Describe clinical events during acute HIV infection window in a multicenter non-randomized cohort
2013	Joyce Nieri Wamicwe, MD, MSc	Medical Epidemiologist, Machako County (Nairobi)	Predictors of HIV Antiretroviral Treatment Failure among Patients Attending a Semi - Urban HIV Clinic – Kenya, 2012
2013	Anthony Kabui Waruru, MA, Mphil	Surveillance Epidemiologist, CDC (Nairobi)	Predictors of viral load suppression among HIV-infected adult patients in Nyanza Province
RWANDA			
2013	Antoine Serufulira, MD	Regional Maternal & Child Health Advisor, WHO, Gabon	Maternal HIV infection as a risk factor for adverse obstetrical outcomes
2009	Felix Ndagije, MD, MSc	Prevention Team Lead and Epidemiologist, CDC-GAP	Transmission rates and disclosure in HIV discordant couples identified in PMTCT Program in Rwanda in 2008
TANZANIA			
1997	Gloria Sangiwa, MD	Sr. Tech Advisor for HIV/AIDS care and treatment for FHI, Washington, DC	The role of voluntary counseling and testing in HIV/AIDS prevention and care in Dar es Salaam, Tanzania: Clients' perspectives
1999	Japhet Killewo, MBChB, DPH, MSc, PhD	Assoc Prof of Epidemiology, Muhimbili University of Health and Allied Sciences (MUHAS) (Dar es Salaam)	HIV-related sex behavior and its socio-demographic correlates in a community sample of Dar es Salaam, Tanzania
2006	Sally Mtenga, BS	Social Researcher, Ifakara Health Research & Development Center	Community performing groups as a possible tool to improve the uptake of Voluntary Counseling and Testing for HIV/AIDS in Southern Tanzania
2009,2007	Lusajo Joel Kajula, Mphil	Assistant lecturer, Muhimbili University of Health and Allied Sciences (MUHAS) (Dar es Salaam)	Depression in school based Dar es Salaam adolescents and associated risky sexual behavior

SUDAN			
2009	Aliaa Bilal, MD, MPH	Head of Planning/training and capacity building unit, Sudan National AIDS Control Program. Head of PMTCT, Sudan Ministry of Health - Sudan National HIV/AIDS Control Program (SNAP)	Stigma among women living with HIV/AIDS in Sudan
UGANDA			
1988	Edward Katongole-Mbidde, MBChB, MMed, MRCP	Director, Uganda Virus Research Institute (Entebbe)	Heterosexual transmission of HIV infection in Uganda
1989	Warren Naamara, MBChB, MPH,	Deputy Director, AIDS Control Program, Ministry of Health	The relationship between pregnancy and HIV infection
1990	Joseph Konde-Lule, MBChB, MPH	Senior Lecturer, Institute of Public Health, Makerere University College of Health Sciences (Kampala)	Assessment of the rate of progression of HIV infection in a Ugandan cohort during 5 years of follow-up
1992	Moses Kamyra, MBChB, Mmed, MPH, PhD	Professor, Department Chair, Makerere University, Department of Medicine (Kampala)	Condom beliefs and use among young adult males in an urban parish of Kampala, Uganda
1994	Gladys Baingana, MD	Deceased	Education and prevention for wives of Ugandan AIDS patients
1994	Margaret Mungherera, MD	Psychiatrist/Prof. College of Health Sciences, Makerere University. President, Uganda Medical Association (Kampala)	HIV testing and counseling practices of hospital based health care workers in Uganda
1997	Agnes Ssali, BA	Head, Monitoring & Evaluation MSF/TASO project (Kampala)	Senior Scientific Officer, Social Sciences in the Microbicide development program of Medical Research Council Unit on AIDS Research
2000, 2003, 2005	Phoebe Kajubi, MA	Social Scientist/Researcher, Makerere University College of Health Sciences (Kampala)	2000: Impact of condom technical skills workshops on condom acquisition and use by men in Kampala, Uganda 2003: A rapid assessment of social factors, sexual activity and HIV risk behavior in a sample of

			gay/bisexual men in Kampala, Uganda
2002,2006	Charles Ssali, BDS, MSC	Senior Dental Surgeon, Ministry of Health (Kampala)	Prevalence of neonatal oral thrush among infants born to HIV seropositive mothers in Uganda
2006	Alice Namale, MBChB, M.Med, DTMPH	Medical Epidemiologist/CDC-Uganda, Uganda Virus Research Institute (Entebbe)	Prevalence and risk factors for transmission of HHV8 among children in a rural Ugandan community
2008	Isaac Kigozi, MBChB, MSc	Study Coordinator Mbarara MUST-Harvard Research Collaboration (Mbarara)	Predictors of ART-adherence, clinical improvement, and regularity of clinic attendance among HIV positive clinic
2008	Ivy Kasirye, MBBS, MMed	Pediatrician, Mildmay Treatment and Training Center	Evaluation of the effectiveness of Fluconazole primary prophylaxis in the prevention of cryptococcal meningitis in HIV-1 infected Ugandan adolescents and adults with CD4 counts, 100 cells and the relationship of this outcome to CD4 counts
2009	Steven Baveewo, MD, MSc	Study Coordinator, MU-UCLA Research Collaboration, Makerere University College of Health Sciences (Kampala)	Barriers to HIV disclosure to sexual partners among a cohort of newly diagnosed HIV patients in Mulago hospital
2010	Rose Baryamutuma, MA	Researcher, Makerere School of Public Health (Kampala)	Assessing the utilization of blood and blood products within health facilities in Uganda
2010	Mary Dutki, MA	Researcher, Makerere University School of Public Health (Kampala)	Evaluation of the counseling program at the AIDS information center, Uganda
2009, 2011	Winnie Muyindike, MD, MMed	Deputy Director (Finance and Administration) Mbarara Regional Referral Hospital (Mbarara)	The uptake of family planning methods by clients in the ISS clinic and conception rates for HIV positive females in different clinical and immunological stages

2011	Charity Kyomugisha-Nuwagaba, MA	M&E Technical Adviser Makerere University, School of Public Health META Project (Kampala)	Prevalence and Predictors of HIV – Associated Neurocognitive Disorders (HAND) among HIV Positive Adults in Uganda
2011	Alfred Okiria, MD, MPH	Public Health Specialist and MUSPH-CDC HIV/AIDS Fellow, Makerere University College of Health Sciences, (Kampala)	Referral of HIV positive individuals to health facilities following home based counseling and testing in Apac district
2012	Ponsiano Ocama, MD, PhD	Senior Lecturer, Department of Medicine, Makerere University (Kampala)	Hepatitis B viral infection is highly prevalent in Northern Ugandan: results of a population-based survey in Gulu municipality
2013	Gershim Asiki, MD, MSc	Project Leader, Uganda Virus Research Institute (Entebbe)	Willingness to participate in HIV vaccine trials among high risk men and women from fishing communities around Lake Victoria in Uganda
2013	Aliba Flavia Luwedde, MD	Study Coordinator - Infectious Disease Research Collaboration (Tororo)	Home versus hospital child births among HIV infected pregnant women on combination antiretroviral therapy and birth outcomes. A randomized controlled trial
2013	William Gabriel Kofi Massavon, MD, MPH	Project Manager of Children's HIV Programme / Research Coordinator Home Care Department, Nsambaya Hospital (Kampala)	Retention and mortality among HIV-infected children and adolescents in a Community Home-Based Care and a Facility-based Family-Centred Approach in Kampala, Uganda: a descriptive study

Name of UC research training program: **GloCal Health Fellowship**

Primary UC contact person(s), affiliation:

Craig Cohen (PI), UCSF Global Health Sciences and Bixby Center, ccoeh@globalhealth.ucsf.edu
Kimberly Bale (Coordinator), balek@globalhealth.ucsf.edu

Program website: www.glocalfellows.org

Institutional partners and location(s) in East Africa:

Kenya: Kenya Medical Research Institute

Uganda: Makerere University; Infectious Diseases Institute; Mbarara University of Science and Technology

Please describe the focus and objectives of your research training program (for East African scientists):

The purpose of the program is to support an 11-month, mentored research fellowship for existing and aspiring investigators who are interested in studying diseases and conditions in developing countries (all trainees must spend 11 consecutive months in-country in order to be eligible for the program). Several training sites are available through the UCGHI/international institution consortium (African sites include Kenya, Uganda, Zimbabwe, Mozambique, Ethiopia).

- x Program includes an in-country training component
- x Program includes a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

The Fellowship is designed for: doctoral students (PhD, DrPH, etc.), professional students (MD, DDS, DVM, PharmD, etc.), post-doctoral fellows, foreign post-doctoral fellows from participating international sites in low- and middle-income countries (LMICs), and junior faculty with a current NIH Career Development Award (K series or similar award) whose interests focus on interdisciplinary research in areas such as: social and behavioral science, nutrition, environment, medicine, public health, nursing, veterinary and basic sciences.

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

Accepted doctoral/professional student trainees will spend their first four-week period at UCSF participating in the *Clinical and Translational Research (CTR) Fellowship*, followed by 10 months at the international research site. All trainees must also attend a mandatory five-day NIH training in Washington, DC at the beginning of their fellowship.

Primary funding source of program: NIH/Fogarty International Center

What training initiatives does your African partner institution have in place (in-country)?

- Laboratory/GLP training
- Clinical/GCP training
- Short courses (epidemiology, biostatistics, etc.)
- Degree programs (e.g., MPH)
- Journal clubs
- Other
- None

Other issues? See individual programs at partner institutions.

Name of UC research training program: **Global Health Equity Scholars (GHES) Fellowship**

Primary UC contact person(s), affiliation:

Lee Riley (Program Director), UC Berkeley, lw Riley@berkeley.edu

Melaine Delcroix (Assistant Director), UC Berkeley, mdelcroix@berkeley.edu

Program website: <http://ghes.berkeley.edu/>

Institutional partners and location(s) in East Africa:

Ethiopia: Addis Ababa University

Kenya: University of Nairobi; Kenya Medical Research Institute (KEMRI)

Uganda: Makerere University

Zimbabwe: University of Zimbabwe

Please describe the focus and objectives of your research training program (for East African scientists):

The main objective of the program is to generate a new and young cadre of global health researchers, educators, and professionals who will be prepared to address new challenges in global health related to vulnerable and neglected populations. The program will provide fellows with interdisciplinary education and training in innovative global health research to promote health equity for populations that reside in human settlements defined by United Nations as slums.

Program includes an in-country training component

Program includes a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

Mostly US postdoctoral fellows and junior faculty

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

Grant and manuscript writing; statistics; epidemiological methods; lab-based training; operation research

Primary funding source of program: Fogarty International Center, NIH

What training initiatives does your African partner institution have in place (in-country)?

Laboratory/GLP training

Clinical/GCP training

Short courses (epidemiology, biostatistics, etc.)

Degree programs (e.g., MPH)

Journal clubs

Name of UC research training program:

UCB-UCSF-MU Research Training on TB and Other Pulmonary Complications of HIV

Primary UC contact person(s), affiliation:

Arthur Reingold, UC Berkeley, reingold@berkeley.edu

Lucian Davis, UCSF, lucian.davis@ucsf.edu

Program website:

Institutional partners and location(s) in East Africa:

Makerere University and Mulago Hospital (Kampala, Uganda)

Please describe the focus and objectives of your research training program (for East African scientists):

Mentoring junior faculty at Makerere/Mulago in research on pulmonary complications of HIV, with an emphasis on TB.

- Program includes an in-country training component
- Program includes a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

All levels; 6 per year

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

All of the aspects of designing, carrying out, analyzing and writing up/presenting AIDS-related research.

Primary funding source of program: Fogarty International Center, NIH

What training initiatives does your African partner institution have in place (in-country)?

- Laboratory/GLP training
- Clinical/GCP training
- Short courses (epidemiology, biostatistics, etc.)
- Degree programs (e.g., MPH)
- Journal clubs
- Other: Mentoring
- None

Name of UC research training program:

UC Berkeley-UCSF Joint Medical Program or JMP (and MD/MS program)

(based in the UC Berkeley School of Public Health)

Primary UC contact person(s), affiliation:

Colette (Coco) Auerswald, MD, MS (Director), coco.auerswald@berkeley.edu (as of 7/1/13)

Doug Jutte, MD, MPH (Associate Director), djutte@berkeley.edu

Tracey Jones, MA (JMP Student Services Advisor), jmp@berkeley.edu

Program website: <http://jmp.berkeley.edu/>

Institutional partners and location(s) in East Africa:

We have had partnerships with the Kenya Medical Research Institute (KEMRI) for projects having to do with stigma and HIV care access on M'fangano Island (*student PI: Annie Chang, MS, current 3rd year medical student at UCSF*) and regarding HIV prevalence and its *determinants* (*student PI: Ariella Goldblatt, 2nd year medical student at UCB*).

Professor Auerswald has had an ongoing research project in Kisumu with KEMRI, the Vijana Wetu project, addressing the social determinants of the health of street children and youth in Kisumu for the past 6 years. The co-PI for that project has been Elizabeth Bukusi, MD, PhD of KEMRI.

Prof. Ndola Prata, the Scientific Director of the UCB Bixby Center for Population Health and Sustainability (<http://bixby.berkeley.edu/>) has conducted research in Tanzania regarding the expansion of use of misoprostol to control postpartum hemorrhage, the leading cause of maternal mortality worldwide. In addition, she is currently heading a community-based study in Ethiopia investigating the efficacy and preferred choice of provider for injectable contraceptives and regarding access to medical abortion.

Other students have conducted projects in East Africa in the past outside of these structures, but none of these are in the field currently.

Please describe the focus and objectives of your research training program (for East African scientists):

Students in the JMP complete a research project during their three years at the Berkeley School of Public Health to fulfill the requirement of a Masters of Science, while concurrently enrolled in their coursework toward their medical degree at UCSF. Some of these projects have been based in East Africa.

[Depends] Program includes an in-country training component

x Program includes a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

MS students concurrently enrolled in medical school

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

- Literature review
- Study design
- Research ethics
- Grant writing
- Presentation (poster, oral)
- Publication
- Project implementation and completion of an MS thesis with a committee of UCB faculty

Primary funding source of program:

UCB-UCSF program primarily funded by fees and UC.
Research funded by intra-program, intramural and extramural funds.

What training initiatives does your African partner institution have in place (in-country)?

- Laboratory/GLP training
- Clinical/GCP training
- Short courses (epidemiology, biostatistics, etc.)
- Degree programs (e.g., MPH)
- Journal clubs
- Other
- None

Other issues?

KEMRI has all of the above, though students participate as needed, depending on the project.

Name of UC research training program: UCSF GSI Tanzania M&E Projects

Primary UC contact person(s), affiliation:

Susie Welty, Institute for Global Health/UCSF, swelty@psg.ucsf.edu

George Rutherford, Institute for Global Health/UCSF, grutherford@psg.ucsf.edu

Program website: <http://globalhealthsciences.ucsf.edu/prevention-public-health-group>

Institutional partners and location(s) in East Africa:

- Mzumbe University – Mzumbe, Tanzania
- National AIDS Control Programme – Dar es Salaam, Tanzania
- Zanzibar AIDS Control Programme – Zanzibar, Tanzania
- TACAIDS – Dar es Salaam, Tanzania

Please describe the focus and objectives of your research training program (for East African scientists):

We are developing a master's program in M&E with Mzumbe University. The first class of students will start in October of 2013. The objectives of the masters program are to build in-country capacity for monitoring and evaluating health programs.

- x Program includes an in-country training component
- x Program includes a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

The masters program is aimed at professionals with at least two years of work experience and a college degree. The in-service trainings vary from lower level health facility personnel to MDs.

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

In addition we do in service trainings on Scientific Writing, Data Analysis, Data Use, Data Quality, Cohort reporting, and Surveillance methods for high risk populations.

Primary funding source of program: CDC-Tanzania Cooperative Agreement

What training initiatives does your African partner institution have in place (in-country)?

- ___ Laboratory/GLP training
- ___ Clinical/GCP training
- x Short courses (epidemiology, biostatistics, etc.)
- x Degree programs (e.g., MPH)
- ___ Journal clubs
- ___ Other
- ___ None

Name of UC research training program: UCSF GSI Scientific Writing Workshops

Primary UC contact person(s), affiliation:

Joy Mirjahangir, Institute for Global Health/UCSF, jmirjahangir@psg.ucsf.edu

George Rutherford, Institute for Global Health/ UCSF, grutherford@psg.ucsf.edu

Program website:

<http://globalhealthsciences.ucsf.edu/prevention-public-health-group/training-resources/short-course-workshops>

Institutional partners and location(s) in East Africa:

Previous workshop attendees include individuals from the following institutions:

- Kenya National AIDS and STI Control Programme (NAS COP)
- Kenya Medical Research Institute (KEMRI)
- Kenya Centers for Disease Control and Prevention (CDC-Kenya)
- Kenya National HIV Reference Laboratory (NHRL)
- Kenya Field Epidemiology and Training Program (FELTP)

Please describe the focus and objectives of your research training program (for East African scientists):

Scientific writing workshops are designed to assist researchers in developing countries to complete scientific manuscripts that use local data and to submit them for peer-reviewed publication. The workshops are offered to host country institutions or groups of individuals who have collected data from HIV prevention- and care-related research studies, including Demographic and Health Surveys (DHS) or Behavioral Surveillance Surveys (BSS), other surveillance or epidemiological data, triangulation activities, or other special studies. These workshops also build skills to write new protocols, operational plans, and annual reports. At the writing workshop, participants can expect to engage in interactive learning modules on writing techniques, in addition to being paired one-on-one with an experienced UCSF faculty mentor.

In Kenya, we are now employing a blended model, which includes pre-workshop activities, multiple workshops, ongoing one-on-one mentoring (distance and in person), web-based seminars, and peer-review.

x Program includes an in-country training component

x Program includes a mentoring component

What rank are your trainees (Masters, PhD, postdoc) and how many per year?

Trainee backgrounds vary, but the majority of past participants have at least a Masters level education. This ranges between MPH or other Masters level, to, PhDs and MDs. There are an average of 10 trainees per writing workshop, with multiple writing workshops being held per year.

Other training (non-research) program objectives (e.g., grant and/or manuscript writing, presentation skills, mentorship, etc.):

Training is focused on Manuscript Writing

Primary funding source of program: CDC-Kenya Cooperative Agreement

What training initiatives does your African partner institution have in place (in-country)?

- Laboratory/GLP training
- Clinical/GCP training
- Short courses (epidemiology, biostatistics, etc.)
- Degree programs (e.g., MPH)
- Journal clubs
- Other
- None