



## Queenan Global Health Awards Appendix of Potential Sites for Visiting Teaching Fellowships (rev. June 2024)

*NOTE: Alternative sites for a teaching fellowship may be considered if they are in a low- or middle-income setting and appropriate oversight and safety can be established. The application requires a detailed description of the international site and mentor.*

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### POTENTIAL SITES IN AFRICA

#### BOTSWANA

##### **Beth Israel Deaconess Medical Center/Harvard Medical School and the University of Botswana**

The Beth Israel Deaconess Medical Center (BIDMC) Department of Obstetrics and Gynecology has formally collaborated with the Botswana Harvard Partnership to support clinical capacitation and research for almost a decade. In 2020, the partnership joined the University of Botswana (UB) to develop an OB-GYN residency training program, the first in the country. There is a severe shortage of OB-GYN specialists, with approximately 40 OB-GYNs for a population of 2.3 million. In 2019, an estimated 99.8% of births occurred in health facilities by a skilled health professional, and yet the national maternal mortality ratio remained stable at approximately 160 per 100,000 live births between 2014 and 2019. Specialists trained in the local context are an essential missing component to improve maternal outcomes for individuals in Botswana. We graduated the first cohort of in-country residents this year, and the current first-year intake class size increased by 50% due to the program's success.

The clinical training site is Princess Marina Hospital in Gaborone, the tertiary referral hospital for the entire country, with approximately 6,000 deliveries per year, predominantly high-risk referrals. The UB Department of OB-GYN has five dedicated generalists (including a full-time in-country BIDMC Harvard faculty mentor), an obstetric specialist (Professor Justus Hofmeyr), and a gynecologic oncologist. In addition to the clinical training of undergraduate medical students and residents, the faculty has a diverse research portfolio, is active in quality improvement, and is engaged in community outreach. Through international collaborations, the program is committed to our in-country subspecialty training.

We lack an in-country MFM, so the impact of the Queenan fellow is significant. Prior Queenan fellows Dr. Odessa Hamidi (2022) and Dr. Lilly Lui (2023) have helped lead courses on ultrasound and obstetric critical care and participated in clinical care with antepartum, intrapartum, and surgical and operative obstetric clinical education. Continued continuity of fellows is encouraged to sustain capacity building that impacts our entire country.

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## CAMEROON

### **University of Alabama and the Cameroon Health Initiative (CHI UAB)**

CHI UAB is a collaborative initiative between the University of Alabama at Birmingham (UAB) and two major health organizations in Cameroon, Africa—[Cameroon Baptist Convention Health Services](#) (CBCHS) and the University of Buea (UB). CHI UAB promotes global health through projects involving research, education, and service activities. The multidisciplinary UAB team includes faculty and students from the Schools of Medicine, Public Health, and Nursing. A dedicated in-country coordinator coordinates program activities. Ongoing projects address maternal and perinatal survival and infections (including HIV, malaria, hepatitis B, preeclampsia, mHealth to improve pregnancy outcomes, and STIs). Opportunities include an OB-GYN elective open to senior residents or fellows from U.S. programs, electives/internships for medical and graduate students, and volunteer opportunities for practicing OB-GYNs.

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## GHANA

### **University of Michigan and Universities in Ghana**

The University of Michigan and Universities in Ghana have collaborated and cooperated in OB-GYN education since 1986. For several years, the Ghana College of Physicians and Surgeons has been developing MFM as a sub-specialty and has hosted two Queenan Visiting Teaching Fellows: Drs. Lucie Moravia (2015) and D'Angela Pitts (2018). The University of Ghana Medical School at Korle Bu Teaching Hospital and the Kwame Nkrumah University of Science and Technology School of Medical Sciences at Komfo Anoyke Teaching Hospital have advanced MFM training centers with active, large OB-GYN training programs and MFM-designated faculty and fellows providing tertiary ultrasound, high-risk maternal care, and advanced fetal care with maternity services of more than 10,000 deliveries in maternity hospitals of 400-plus beds.

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## MALAWI

### **Baylor College of Medicine and Malawi College of Medicine**

Baylor College of Medicine (BCM) and the Malawi College of Medicine (COM) have a nearly decade-long collaboration, mainly focused on education. The first Malawian Masters of Medicine (MMed) in Obstetrics and Gynaecology started in 2013 through the Malawi COM collaboration with educational, leadership, and financial support of BCM. Registrars work primarily at Kamuzu Central Hospital (KCH), a referral hospital for the central region, or at Bwaila District Hospital in Lilongwe. Registrars are also located in Blantyre, Malawi, and work mainly at Queen Elizabeth Central Hospital (QECH), a referral hospital for the Southern Region. Registrars are typically assigned to one city during their MMed program. Sixteen residents have graduated from this program, and all deliver care to individuals throughout Malawi.

Two Maternal-Fetal Medicine physicians from BCM, Drs. Kelli Barbour and Abida Hasan spend approximately 10 months in the country and provide hands-on teaching. BCM's efforts focus primarily in Lilongwe, the capital of Malawi, where they work at KCH and the Area 25 hospital. Area 25 has been expanded as a public-private partnership between the Malawi Ministry of Health and Baylor Malawi. KCH has approximately 2,000 deliveries annually, and Area 25 has about 7,000 (1,800 in 2015 and 7,000 in 2020). BCM is actively involved in in-person teaching at KCH and Area 25. Teaching is also done remotely for Malawi resident didactics, and BCM has an open invitation to teach in person at QECH.

Through education and leadership, BCM is advancing the training of residents and interns and expanding access to qualified OB-GYN care providers in a country of 18 million inhabitants with approximately 70 OB-GYNs. There is no MFM training program, but individual faculty (other than Drs. Barbour and Hasan) focus on high-risk pregnancies. Through collaboration, we provide high-risk maternal care in a resource-constrained setting and provide and teach obstetric ultrasound. This site presents an ideal global maternal health education opportunity in a very low-resource country.

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## ZAMBIA

### **University of North Carolina at Chapel Hill and University of Zambia**

The University of Zambia (UNZA) and the University of North Carolina at Chapel Hill (UNC) support clinical and research training opportunities in Lusaka, Zambia, at the University Teaching Hospital (UTH). UTH is Zambia's principal medical training institution and tertiary referral center. UTH is home to 20,000 deliveries yearly, with 26 labor ward beds and 353 inpatient beds. Its five dedicated OB-GYN wards include a gynecologic emergency ward, three operating rooms, and two outpatient procedure rooms. UNZA and UNC faculty have collaborated to improve maternal health since 2001. Together, they have developed and implemented an electronic obstetric record system, overseen dozens of clinical trial protocols, supported advanced degrees and academic training for Zambian clinicians, expanded clinical referral services for HIV-positive pregnant individuals, established a national cervical cancer prevention program, and provided specialist surgical services, particularly in the field of gynecologic oncology. UNC fellows and faculty living in Zambia have appointments at UNZA and support its clinical, research, and training activities.

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