



## Foundations in Global Health

*A collaborative program of Texas Children's Hospital and Baylor College of Medicine*

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**Course:** Foundations in Global Health (FIGH)

**Background:** Texas Children's Hospital and Baylor College of Medicine have a number of trainees (residents, fellows), junior faculty, and other health professionals with interests in global health. These potential global health leaders would benefit from opportunities to collaborate with each other on ongoing global health research and program efforts, as well as from a curriculum to expand contextual knowledge on major challenges and program development best practices in the field of global health.

**Program:** Conduct regular, multi-disciplinary meetings and interfaces between health professionals who are actively involved in pediatric, women's, surgical/anesthesia, pathology, pediatric radiology, public health, and programmatic/technical global health activities at Texas Children's Hospital and Baylor College of Medicine with the following objectives:

- Provide a core curriculum in global health practice with relevance across multiple disciplines
- Create a central forum for participants to engage in thoughtful interface around practical knowledge and experiences in global health
- Utilize varied mediums to facilitate and promote best practice sharing, open debate and exchange, career mentoring, and project mentoring
- Promote synergistic collaboration and cross-functional learning

**Target Audience and Stakeholders:** TCH/BCM residents, fellows, faculty, and other health professionals at TCH/BCM who are actively involved in pediatric, women's, surgical/anesthesia, pathology, pediatric radiology, public health, and programmatic/technical global health activities at Texas Children's Hospital and Baylor College of Medicine. The forum will be more focused to the level of fellows and junior faculty, though all levels of learners will be actively recruited to participate. Senior faculty and administrative leadership have been engaged in order to provide mentorship.

**Structure:** Minimum of nine one-hour lectures per year (30 minutes of knowledge-based didactic session, 20 minutes of implementation/research-based discussion, 10 minutes open discussion); project development office hours; career planning and practical discussion forums

**Leadership:**

FIGH Curriculum Oversight Committee (representing all TCH/BCM In-Chiefs / BCM Departments at TCH and TCH Global Health Steering Committee: Scholarly Activity Sub-committee)

Dr. Oluyinka Olutoye (Professor of Surgery, Pediatrics and Obstetrics and Gynecology; Co-Director Texas Children's Fetal Center)

Dr. Gordon Schutze (Professor of Pediatrics, Retrovirology; Vice Chair of Education – Pediatrics; Vice President-International Medical Services, BIPAI)

Dr. Jeff Wilkinson (Professor of Obstetrics and Gynecology; Vice Chair of Global Health – OB/GYN)

Dr. Heather Crouse (Associate Professor of Pediatrics; Director of Pediatric Emergency Medicine – Global Health Program & Fellowship)

Dr. Maria Elena Bottazzi (Professor of Pediatrics; Associate Dean, National School of Tropical Medicine; Co-Director, Center for Vaccine Development)

Dr. Anna Mandalakas (Associate Professor Pediatrics, Retrovirology; Director, Global Tuberculosis Program)

Dr. Adekunle Adesina (Professor of Pathology & Immunology; Director, Neuropathology and Molecular Neuropathology Lab)

#### FIGH Program Leadership

Dr. Heather Crouse (Associate Professor of Pediatrics; Director of Pediatric Emergency Medicine – Global Health Program)

Dr. Nichole Davis (Assistant Professor of Pediatrics)

Adam Gibson (Project Manager, Texas Children's Global Health)

Taylor Napier-Earle (Project Manager, Texas Children's Global Health)

**Venue:** TCH/BCM Fellow's College

**Format:** The curriculum has been developed to cover highly-relevant topics in pediatric and maternal global health. These topics include each of the major causes of child and maternal mortality globally, as well as emerging issues within these disciplines. Each month, one topic will be coordinated by an "expert" moderator from the field who has been invited to volunteer. Articles relevant to the subject will be distributed to participants in advance of the meeting; one will be a "seminal" or well-known article with which anyone conducting research in the area should be familiar, and the other article will relate to the type of research being conducted, new developments in the field, and related topics.

The following will be discussed over 1 hour:

#### *30 Minutes: Knowledge-based didactic discussion*

- Problem: Define the issue and its scope, identify the major determinants
- Current strategies: Ongoing efforts directed at the problem
- Challenges: Areas that require further effort
- Novel strategies: Potential for new research opportunities
- Implementation: Stakeholder and management concerns and methods of empowerment and engagement

#### *20 Minutes: Research/program-based discussion*

- Brief overview of your research or program—what do you do, when did you start, etc.
- What was the need to be addressed?
- How was the need clearly defined?

- What is/was the program goal?
- Who are the primary stakeholders?
- What is something unique in the partnership design that has or will likely lead to long-term success?
- Program successes to date
- Program challenges to date

*10 Minutes: Group discussion*

**FIGH proposed core curriculum topics (cycling 2-3 year curriculum):**

*Disease/systems based*

- Neonatal mortality
- Malaria
- Diarrhea/Environmental H2O
- Oncologic
- Pneumonia
- HIV
- Malnutrition
- Tuberculosis
- Congenital Heart Disease
- Sickle Cell
- Neglected Tropical Diseases
- Vaccines/Immunization-preventable diseases
- Maternal-Fetal (OB/GYN) topics
- Adolescent Medicine
- Surgery
- Disaster Medicine/Trauma
- Care of critically-ill child

*Administrative/education-based*

- Partnership formation and sustainability
- Operational challenges/political negotiation
- Pillars of successful networking/ program development
- Principles of Quality Improvement
- Access to healthcare/healthcare infrastructure
- Medical education in resource limited settings (including curriculum development and simulation)
- Low cost technology development/innovation
- Conducting research in resource-limited settings
- Policy/advocacy
- Principles of GH Leadership
- Research in resource-limited settings

**FIGH long-range goals:**

- Develop FIGH webpage with links for lectures, dates and readings
- Secure continuing medical education (CME) credit for all relevant program components
- Addition of after-hours breakout sessions for career development topics and networking
- Add telemed videoconferencing
- Integrate new AAP GH competencies for faculty into curriculum
- Quantitative and qualitative evaluation of FIGH core curriculum: modification of curriculum as necessary and consider publishing results
- Implementation of new program components with the feedback of participants and citation of best practices in global health education
- Partner with the National School of Tropical Medicine at Baylor College of Medicine to explore options for partnership around curriculum
- Offer forum outside of TCH/BCM at the appropriate time