



Global Pediatric Fellowship in Health Service Delivery

Division of General Pediatrics,
Boston Children's Hospital

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GLOBAL PEDIATRICS PROGRAM LEADERSHIP

Judith Palfrey, *Director*

Kim Wilson, *Associate Director*

Christiana Russ, *Director of Resident GH Rotations*

ASSOCIATED FACULTY

Lara Antkowiak

MaryCatherine Arbour

Lisa Butler

Christopher Duggan

Sara Gonzalez

Anne Hansen

Aimee Knorr

Vibha Krishnamurthy

Leslie Lehmann

Janet Scott Lloyd

Carlos Rodriguez-Galindo

Sadath Sayeed

Julia von Oettingen

Mark Corden

Shubhada Hooli

Kenneth McIntosh

Daphne Remy

Samantha Rosman

Diane Stafford

GLOBAL PEDIATRIC FELLOWSHIP LEADERSHIP

Kim Wilson, *Co-Director*

Sara Stulac, *Co-Director*

Chris Carpenter, *Associate Director, Haiti Site Supervisor*

Hema Magge, *Rwanda Site Supervisor*

Michelle Niescierenko, *Liberia Site Supervisor*

GLOBAL PEDIATRIC FELLOWSHIP CURRENT FELLOWS

Jill Veselik, *2nd Year Fellow (Rwanda)*

Leana May, *1st Year Fellow (Rwanda)*

Brittany Potts, *1st Year Fellow (Haiti)*

Theresa Strong, *1st Year Fellow (Liberia)*

STAFF

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LEADERSHIP BIOGRAPHIES

Judith Palfrey, MD

*Senior Associate in Medicine, Boston Children's Hospital;
Director, Global Pediatrics Program, Boston Children's Hospital;
T. Berry Brazelton Professor of Pediatrics, Harvard Medical School;
Professor, Department of Society, Human Development, and Health, Harvard School of Public Health;
Professor of Global Health and Social Medicine, Harvard Medical School*

Judith Palfrey, MD, Senior Associate in Medicine Director of Children's Global Pediatric Center at Children's Hospital Boston, has devoted her career to shaping the health system to meet the needs of under children with special needs, especially those from challenging backgrounds. A nationally renowned child advocate and leader in community care, Dr. Palfrey developed universally accepted medical home based approaches and school guidelines to enable families and children achieve greater functional capacity. As a national leader in child health, she was one of the initial authors of Bright Futures, the preventive guidelines, which are now incorporated into the Affordable Care Act. Dr. Palfrey founded Project School Care, an innovative outreach program to study the needs of children assisted by medical technology and to enable them to attend school. She also developed the Pediatric Alliance for Coordinated Care, a clinical service model that delivered community-based, family-centered primary care to Medicaid-enrolled children with disabilities. She has served as the Principal Investigator on Opening Doors, an NIDRR funded national center that seeks to improve services to children from traditionally underserved communities. Dr. Palfrey was the 2010-2011 President of the American Academy of Pediatrics. She was a strong advocate for the passage of the Affordable Care Act. During her tenure as President of the American Academy of Pediatrics, she worked to ensure that full access to a medical home was in reach for all children. She also championed the outreach of the AAP to form more powerful partnerships with community organizations and parents.

Kim Wilson, MD, MPH

*Co-Director, Global Pediatric Fellowship in Health Service Delivery, Boston Children's Hospital;
Associate Director, Global Pediatrics Program, Boston Children's Hospital;
Affiliate & Assistant Professor, Harvard Medical School, Division of Global Health and Social Medicine*

Dr. Wilson's work has focused on improving health care for under-served populations domestically and internationally. In Boston, Dr. Wilson has combined clinical care to underserved families with implementation of programs to improve health for children with chronic illness. Her international work grew from her clinical pediatric practice in Boston working with transnational families from the Dominican Republic. Internationally, Dr. Wilson has lead a maternal and neonatal training and quality improvement program at hospital facilities in the Dominican Republic. Her current work applies the technology of mhealth to quality improvement, using cell phone based protocols as decision aids to improve newborn health care in Tanzania. Dr. Wilson teaches at Harvard Medical School and School of Public Health with a focus on global maternal child health and social determinants of disease. In addition, she developed and directs the Global Pediatric Fellows Program at Children's Hospital Boston, with pediatric fellows working in Haiti and Rwanda.

Sara Stulac, MD, MPH

*Co-Director, Global Pediatric Fellowship in Health Service Delivery, Boston Children's Hospital;
Director of Pediatrics, Partners In Health;
Teaching Affiliate, Harvard Medical School, Division of Global Health and Social Medicine*

Sara N. Stulac, MD, MPH, is the Director of Pediatrics and Oncology Programs for Partners In Health, supporting programs in Rwanda, Haiti, Lesotho, and Malawi. She lived and worked in Rwanda from 2005 to 2011 as PIH-Rwanda's Clinical Director, collaborating with Rwanda's Ministry of Health to develop primary health care infrastructure and community-based HIV care in three rural health districts. Her areas of clinical focus have included pediatric HIV prevention and treatment, malnutrition care, inpatient pediatrics, and pediatric oncology and other non-communicable disease treatment. Dr. Stulac holds faculty positions in the Division of Global Health Equity at Brigham and Women's Hospital, at Children's Hospital Boston, and at Harvard Medical School. She received her MD and MPH from Tufts University School of Medicine, and completed her residency in pediatrics at Dartmouth-Hitchcock Medical Center.

Christiana Russ, MD, DMTH

*Director of Resident Global Health Rotations, Boston Combined Residency Program (BCRP);
Associate Chief, Intermediate Care Program, Division of Medicine Critical Care, Boston Children's Hospital;
Co-Director, BCRP Academy of Community and Global Health Policy and Research;
Instructor in Pediatrics, Boston Children's Hospital*

Dr. Russ is a pediatric hospitalist who graduated from Washington University in St. Louis as a systems science engineer and subsequently trained in medicine at the University of Tennessee, Memphis. She completed her residency training in pediatrics in 2007 at the Boston Combined Residency Program at Children's Hospital, Boston.

In her first year out of training Dr. Russ spent 6 months in western Kenya and Uganda, working with staff in two rural hospitals to improve pediatric care. This experience solidified her dedication to advancing pediatric care in resource limited settings, and her conviction that education and partnership with medical staff and primary caregivers of children is the key to reducing child mortality. Upon her return she was hired by the newly formed Children's Hospital Boston Pediatric Global Health Program and dedicates her non-clinical time to global health education.

Dr. Russ is the rotation director for the Boston Combined Residency Program (BCRP) Pediatric Global Health Rotations. She has worked to formalize processes and evaluations for overseas rotations. In 2009-10 she completed the Rabkin Fellowship in Medical Education, and developed an elective global health curriculum for pediatric residents seeking to prepare for clinical work in global health. She continues to work with Harvard partners on curriculum development for medical students, residents and fellows who plan to work in global health settings.

She has networked with other pediatric resident global health educators across the country, and together with them is forming a Global Health Educators group in the American Pediatric Program Directors with a goal of improving curriculum and scholarship about global health education. She has also partnered with colleagues in the Global Health Education Consortium and American Academy of Pediatrics to develop an online, interactive global health curriculum.

Her global work remains based in Eastern Africa, with a focus on improving health in under-resourced areas through medical education in hospitals and clinics, and community education for the families that they serve. In Maseno Kenya, she has partnered with Vanderbilt University and Great Lakes University Kisumu to develop and evaluate videos targeted at caregivers waiting at the hospital and teaching about child health topics. She is a master trainer for the AAP Helping Babies Breathe program, and has partnered with Millennium Villages Project and Millennium Cities to facilitate the spread of quality neonatal resuscitation techniques at their sites.

Dr. Russ is the assistant medical director and hospitalist in the Intermediate Care Program. This is an inpatient unit at Children's Hospital Boston with intensive nursing that cares for patients with severe, acute illness who do not require technologies specific to the ICU, or patients with acute on chronic illness who require intensive nursing. In addition to her clinical role she oversees quality improvement initiatives in the unit.

Chris Carpenter, MD, MPH

Associate Director & Haiti Site Supervisor, Global Pediatric Fellowship in Health Service Delivery, Boston Children's Hospital

Christopher Carpenter, MD, MPH recently completed the Global Pediatric Fellowship at Boston Children's. After medical school at Albert Einstein, he completed his pediatric/pediatric chief residency at the University of California, San Francisco and obtained an MPH concentrating in International Health at Boston University. Prior to starting his fellowship, he volunteered as a pediatrician for two years in the DR Congo, East Timor and Liberia. During his Global Health Fellowship at BCH, Dr. Carpenter worked in Haiti where he improved pediatric care by training local doctors and nurses. In the town of St. Marc, he developed and piloted a nursing apprenticeship program in advanced neonatal nursing care. At the end of his fellowship, he co-founded a clinic for children with chronic diseases in Pierre Payen.

Hema Magge, MD, MS

*Rwanda Site Supervisor, Global Pediatric Fellowship in Health Service Delivery, Boston Children's Hospital;
Courtesy Staff in Department of Emergency Medicine, Boston Children's Hospital;
Associate Physician in Medicine, Brigham and Women's Hospital, Division of Global Health Equity;
Instructor, Harvard Medical School*

Hema Magge is the Director of Pediatrics for Partners in Health-Inshuti Mu Buzima, where she directs neonatal, child health, and malnutrition programs in three PIH-supported districts in rural Rwanda. The program's primary goal is to support the provision of high quality, comprehensive, and innovative care for children in partnership with the Rwandan Ministry of Health. After graduating with a B.A. in Government in 2001 from Harvard University, she received the Radcliffe Elizabeth Cary Agassiz Fellowship to support her work with the Child Accident Prevention Foundation of Southern Africa, an organization focused on poverty-related violence and injury prevention in Cape Town, South Africa. She went on to pursue her M.D. from University of Pennsylvania School of Medicine, graduating in 2006. During medical school, she co-founded the University of Pennsylvania's medical student global health program through a community partnership with an HIV/AIDS hospice in Gaborone, Botswana. In 2009, she completed her residency in pediatrics at the University of California, San Francisco, as a Global Health Sciences Clinical Scholar. She then completed a fellowship in General Academic Pediatrics at Boston Medical Center and a Masters of Science in Health Services Research at Boston University School of Public Health with a focus on global health delivery and health disparities among the urban poor in Boston. Dr. Magge's current programmatic work and research in Rwanda focuses on child survival, including innovative strategies to overcome implementation challenges in Integrated Management of Childhood Illness (IMCI), implementation and evaluation of a neonatal mortality reduction initiative, and development and implementation of a model pediatric development clinic to support early childhood development for high-risk neonates.

Michelle Niescierenko, MD

*Liberia Site Supervisor, Global Pediatric Fellowship in Health Service Delivery, Boston Children's Hospital;
Pediatric Emergency Medicine Attending, Boston Children's Hospital;
International Pediatric Emergency Medicine, Associate Faculty Harvard Humanitarian Initiative;
Instructor, Harvard Medical School*

Michelle Niescierenko, MD, completed her pediatric residency in the Boston Combined Residency Program (BCRP) at Boston Children's Hospital and Boston Medical Center. She then completed her Pediatric Emergency Medicine Fellowship at Boston Children's Hospital. Currently she is pursuing an International Pediatric Emergency Medicine fellowship at Boston Children's Hospital and Brigham & Women's Hospital as well as an MPH at Harvard School of Public Health. Over her training and career she has worked clinically in China, Bolivia, Lesotho, Guatemala and Liberia.

Dr. Niescierenko leads Boston Children's Hospital's participation in the Academic Collaborative to Support Medical Education in Liberia (ACSMEL). ACSMEL is a multi-institution collaborative that provides medication education in pediatrics to Liberian medical students and interns and will be one of the implementing partners for their graduate medical education programs. Additionally she directs BCH's participation in Expanding Maternal and Newborn Survival (EMAS) in Jakarta, Indonesia, which is a medical education project to improve in-hospital neonatal survival. Her particular area of interest is the provision of emergency care for children, the development of emergency care systems for children as well as the role of children in humanitarian crises.

CURRENT FELLOWS

Jill Veselik, MD 2012-2014

Jill received her B.A. from the University of Notre Dame, her medical degree from Loyola University Stritch School of Medicine and completed her pediatric residency at Loyola University Medical Center in Chicago, IL. She is board certified in pediatrics and is a recipient of Loyola's Magis Spirit Award and Mullins Scholarship. Dr. Veselik has volunteered at the American Diabetes Association Teen Camp, the Chapin Street Clinic in South Bend, and volunteered in various international medical missions in Guatemala and Haiti. Currently, she is developing a neonatal project in Rwanda as a Fellow in the Global Pediatric Fellowship at Boston Children's Hospital. In her spare time, she enjoys long-distance running, competing in triathlons, and reading.

Leana May, DO, MPH 2013-2015

Leana received her B.S from the University of Michigan, her medical degree from Michigan State University College of Osteopathic Medicine, and her Masters of Public Health in Epidemiology from the University of Michigan School of Public Health. She completed her pediatric residency at Connecticut Children's Medical Center in Hartford, CT. Prior to starting her pediatric residency, Leana spent a year in upstate New York working with re-settled refugees, in addition to a Cancer Prevention Fellowship through MD Anderson and Texas Children's Cancer Epidemiology Center. Throughout her medical training, she has taken part in clinical and medical research in Guatemala, Costa Rica, India, Botswana, Ghana, Kenya, Malawi and Morocco. During residency Leana collaborated with St. Jude's International Outreach Program on examining barriers to accessing pediatric oncologic care in low resource settings. She enjoys volunteering as a camp doctor at the Hole in the Wall Gang Camp in Ashford, CT and sitting on the Young Leaders Cancer Council of the LIVESTRONG Foundation, in addition to practicing yoga, blogging and traveling the world. Leana will be splitting her time between Boston and Rwanda during her fellowship.

Brittany Potts, MD 2013-2015

Originally from Ohio, Brittany received a Bachelors degree in Natural Science and a minor in Chemistry from The University of Akron as part of a combined BS/MD program. She matriculated from Northeast Ohio Medical University in 2009 and completed a pediatric residency at Akron Children's Hospital. Following residency, she worked for a year as a chief pediatric resident at Akron Children's Hospital prior to joining the Boston Children's Hospital team in 2013 as a Fellow in Global Pediatric Health Service Delivery. Brittany is a board-certified pediatrician with international experience in Kenya, Ethiopia, and Haiti. She has served as a faculty advisor to residents both clinically and in quality improvement projects overseas. Her areas of interest include medical education, quality improvement and improving healthcare delivery at the system-level. Brittany will be splitting her time between Boston and Haiti during her fellowship.

Theresa Strong, MD 2013-2015

Originally from Houston, TX, Theresa received a BA in Biology and History from the University of Texas, and attended medical school at the University of Texas Health Science Center San Antonio. During medical school, she participated in/co-led a Global Health Student Interest group that took part in a medical mission-trip to Danli, Honduras. She subsequently took an independent study year during which I completed medical student rotations in Ecuador, Peru, and Guatemala. In 2013, Theresa completed her pediatric residency at Phoenix Children's/Maricopa Medical Center Joint Pediatric Residency Program. As a resident, she participated in an international rotation with BIPAI Malawi. Within her residency program, she lead a group of residents interested in community service/advocacy for refugee populations and participated in a curriculum committee to develop a Global Health Track. She's the oldest of 8 kids, bakes and brings goodies to work frequently, organized her residency softball team, and likes to read. Theresa will be splitting her time between Boston and Liberia during her fellowship.

FELLOWSHIP ALUMNI

Vanessa Wolfman, MD, MPH 2010-2012

Vanessa Wolfman's career focus is in international health development and child health, with main interests in pediatric infectious disease, HIV, prevention of mother to child transmission (PMTCT) of HIV and neonatal care. After graduating from Brown University in 1998 with a degree in international development, she served in the Peace Corps as a community health development volunteer in Gabon, Central Africa. Following her Peace Corps service, she received an MPH in public health in developing countries from the London School of Hygiene and Tropical Medicine in 2002. As part of her Master's dissertation she worked in the World Health Organization's Department of Communicable Disease Surveillance and Response with the Global Alert and Response Team to revise the algorithm for infectious disease notification. Dr. Wolfman went on to pursue her M.D. from the University of Maryland School of Medicine in 2007. During medical school, Dr. Wolfman was selected as a NIH/Fogarty International Center fellow and conducted clinical research from 2005-2006 in Pretoria, South Africa in collaboration with Yale University, University of Pretoria, and the Serithi Maternal and Child HIV/AIDS project. Her research included improvements in pediatric HIV diagnosis, evaluation of PMTCT program activities, adverse events of HAART in children, and factors influencing feeding choices of HIV-positive mothers. In 2010, she completed her pediatrics residency at Brown University/Hasbro Children's Hospital. As part of the fellowship, she has worked as a district clinical advisor in pediatrics with Partners in Health/Inshuti Mu Buzima (PIH/IMB) in rural Rwanda. Her activities in Rwanda included clinical mentorship and health systems strengthening in inpatient pediatrics, neonatology, pediatric oncology, non-communicable diseases, malnutrition, pediatric HIV and PMTCT. Upon completion of the fellowship, Dr. Wolfman plans to continue work internationally towards health system development and to improve clinical care and access for underserved and vulnerable pediatric populations.

Molly Moore, MD 2010-2012

Chris Carpenter, MD, MPH 2011-2013

Christopher Carpenter, MD, MPH recently completed the Global Pediatric Fellowship at Boston Children's. After medical school at Albert Einstein, he completed his pediatric/pediatric chief residency at the University of California, San Francisco and obtained an MPH concentrating in International Health at Boston University. Prior to starting his fellowship, he volunteered as a pediatrician for two years in the DR Congo, East Timor and Liberia. During his Global Health Fellowship at BCH, Dr. Carpenter worked in Haiti where he improved pediatric care by training local doctors and nurses. In the town of St. Marc, he developed and piloted a nursing apprenticeship program in advanced neonatal nursing care. At the end of his fellowship, he co-founded a clinic for children with chronic diseases in Pierre Payen.

Sara Gonzalez, DO 2011-2013

Dr. Gonzalez is a board-certified osteopathic pediatrician. Sara Gonzalez is a global pediatrics fellow at Children's Hospital Boston with an interest in applying QI methodology to improve delivery of healthcare in resource-limited settings. She graduated in 2004 from University of Scranton with a BS in Neuroscience and Philosophy. She then attended Touro University College of Osteopathic Medicine - California. She went on to complete her pediatrics residency at Geisinger Medical Center, Danville PA, where she began learning and applying QI methodology to improve delivery of pediatric care within the hospital system. During that time she worked in Honduras and Namibia with Geisinger's support. She completed her Global Pediatrics Fellowship at Boston Children's Hospital/Partners in Health in 2013.

FELLOWSHIP OVERVIEW & GOALS

The **Global Pediatric Fellowship Program at Boston Children's Hospital** aims to train future leaders in global child health as well as support the development of essential child health services in regions of the world with greatest need and limited access to health providers. Our goal is to train a cadre of pediatricians who have the skills and long term commitment necessary to make an impact in improving child health in some of the neediest global settings.

The fellowship is a two year training program in which Fellows rotate in 6 month blocks between a **field placement in Haiti, Rwanda, or Liberia**, and a **clinical placement in Boston, Massachusetts**. The focus of the fellowship is on skills in global health service delivery, including skills in clinical care, medical education, program development, management, evaluation, quality improvement, and in implementation focused research.

During their **field placement**, fellows will work in collaboration with PIH (Haiti/Rwanda) or ACSME (Liberia) to provide pediatric training to local clinicians, strengthen existing child health programs, and expand access to pediatric health care. Prior to departing to their field site, fellows attend a 1-week orientation to fieldwork in Haiti through PIH.

During their **clinical placement** in Boston, fellows will combine clinical work in general pediatrics with an extensive global health curriculum aimed at strengthening their core clinical, public health, quality improvement, and teaching skills relevant to global health. Fellows attend the Global Health Delivery Summer Intensive Program at the Harvard School of Public Health, in addition to courses in clinical skills, ultrasound, research, and QI.

Fellows will receive a medical staff appointment at BCH with a stipend commensurate with BCH guidelines and a full employee benefits package offered to all BCH clinical fellows. For their field placements, fellows receive an annual round-trip ticket, room & partial board, and evacuation & emergency insurance coverage. Fellows will also be recommended for an academic appointment at Harvard Medical School as a Clinical Fellow.

For entry into the fellowship on July 1st, 2014, the application deadline is October 15th, 2013.

FELLOWSHIP COMPETENCIES

(see Appendix for full descriptions of each competency)

Clinical Care & Medical Knowledge

- Use an evidence-based clinical approach to the evaluation, diagnosis and care of patients in developing countries, utilizing often limited and locally available resources.
- Expand your exposure to conditions specifically applicable to work in the resource limited setting including malaria, HIV, malnutrition, tropical disease, vaccination
- Understand the social, political and policy factors that impact in care access, utilization and provision in the resource limited setting.
- Identify and understand the needs of vulnerable populations including those with disease (i.e. HIV), orphans, post conflict, post disaster, refugees or internally displaced persons.
- Recognize the human resource capacity limits across fields (medicine, nursing, etc.) and how this impacts care provision and the work of individuals as well as the system.

Medical Teaching

- Develop your teaching skills to maximize effectiveness when working with host trainees, those who English is not their primary language and groups that are often under recognized as learners (nurses).
- Utilize opportunities to refine your teaching skills and gain extra knowledge in the area of medical education.

QI, Leadership, & Management

- Understand your role in the system and how to integrate into existing systems practicing efficient, cost effective individual and population medicine.
- Learn about the hospital systems and structures between individuals and partners as well as how the facility fits into the regional or national scheme of health care delivery.
- Understand the concepts behind quality improvement including design management and evaluation of quality improvement initiatives.
- Cultivate relationships with local officials, educational institutions and NGO's

Research & Scholarly Work

- Utilize evidenced based approach to clinical practice, teaching and addressing local needs/problems through programming/research
- Work collaboratively with local partners to develop projects and research that address local relevant needs
- Understand and perform the fundamentals of designing and conducting research studies in a resource limited/developing setting and the additional complexities of conducting research in this type of setting.
- Demonstrate understanding of population level research and epidemiology

Attitudes & Advocacy

- Practice effective communication, with colleagues and families, while modeling humanistic and professional medical care
- Demonstrate cultural competence in care, family and colleague education as well as advocate for the rights of patients
- Advocate for children on a systemically at the facility and in public policy.
- Recognized ethical dilemmas, personal biases, profound limitations as inequities in the global provision of care
- Gain exposure to governmental and legal systems related to child health

FELLOWSHIP CURRICULUM

Global Health Delivery Summer Intensive

To bridge the gap between knowledge and practice in global health, the Global Health Delivery (GHD) Project at Harvard aims to systematize the study of health care delivery and stimulate collaboration among educators, researchers, stakeholders, and implementers. During the three week intensive summer session, participants in the program take three courses at the Harvard School of Public Health:

1. *Epidemiologic Methods for Global Health*
2. *Introduction to Global Health Care Delivery*
3. *Value-Based Management in Global Health Care Delivery*

Partners in Health (PIH) Orientation

A one day orientation for fellows placed in a PIH field site.

PIH Global Health Effectiveness (GHE) Bootcamp

All Fellows participate, along with residents and other clinical and community staff, in a week long field based orientation to global health work. The field orientation includes community visits, participation in community based health care delivery, and an overview of clinical topics in global health.

Fellows' Seminar

The time will be used for mentoring, presentation and feedback on fellow's programmatic and scholarly work, journal article reviews, and selected presentations.

Global Pediatrics Program – Faculty Meetings

A monthly meeting for fellows and faculty.

Global Health Seminar Series

A monthly seminar pertaining to child health in low-resource settings offered by faculty at Boston Children's Hospital. These seminars are open to the general public. Topics in past years have included:

Global Health Research, Ethics in Global Health, Advocacy to Promote Global Child Health, Children at Risk: Legal Protections of a Child, Climate Change, Environment and Child Health, Child Development, Refugee Health, Humanitarian Disasters, Mental Health, Indigenous Populations, Technology in Global Health, Street Children, Clinical Teaching in Global Health Settings, Controversies in Pediatric Cancer Care in Resource Limited Settings, Community-Based Participatory Research

Clinical Skills Course

- Workshop in Sedation & Lab Skills
- Core Clinical Topics in Global Pediatrics
- Helping Babies Breathe (newborn resuscitation program for low resource settings)

Ultrasound Course

This is a weekend course in point of care, bedside, clinician performed ultrasound geared towards pediatricians who plan to work in the developing world and taught by Partners In Health affiliated emergency physicians with global health experience and ultrasound expertise, a radiologist and also a cardiology fellow with global health experience. The basic content is outlined on the attached form, and covers basic bedside ultrasound approach to answer focused, goal directed clinical questions, which is different from what a sonography technician or radiologist does. Our participants will learn the basics of abdominal ultrasound including liver for infectious processes and cirrhosis, spleen, pyloric stenosis, appendicitis, and ascites, as well as cardiac ultrasound for identification of rheumatic valvular disease, heart failure and pericardial effusion. We will also cover some ultrasound techniques for procedural guidance, skin and soft tissue infections and trauma.

Implementation and Mixed Method Research

Seminar series introducing methodology for implementation research. Schedule TBD.

Scholarly Project

Fellows are required to complete a scholarly project. Possibly focus include strategies for health service delivery and improving quality in low resource settings, disparities and advocacy, and innovation for global health. Project(s) can be completed during time in the US or at the field placement. Types of project can include descriptions of novel quality improvement or medical education projects, or operational or clinical research, development of medical education curriculum (OPENpediatrics) or practice guidelines, relevant literature reviews.

IHI Open School Online QI Courses

Fellows are required to enroll in six (6) online QI courses offered by the Institute for Healthcare Improvement (IHI).

CHERP IRB Research Training Course

This course (offered both in-person and online), will familiarize you with the preparation and submission of BCH ChERP IRB applications. You will not be able to submit new applications, continuing reviews, amendments or unanticipated events unless you complete the training.

Introduction to Clinical Research Course

This course is required for fellows that do not have MPH degrees. Offered by the BCH Clinical Research Center, this is a three-day course which provides an introduction to the various resources relevant to those who will be developing and conducting clinical research. It will introduce you to basic principles of biostatistics and epidemiology in addition to key clinical research concepts in study design, measurement & evaluation, clinical trials, research ethics, scientific writing & presentation, grant writing, and study & data management.

Reading List

Fellows are expected to read at least 1 article a month, and 1 book every 6 months.

Global Health Events at Other Institutions

Global Health Seminar Series – Brigham and Women’s Hospital, Medicine-Pediatrics Residency

- contact: ndookeran@partners.org

Global Health Lecture Series – Beth Israel Deaconess Medical Center

- monthly, contact: jcrocker@bidmc.harvard.edu

HIV Conference Series – MGH, Division of Infectious Diseases

- every Friday, contact: krhan@partners.org

Global Health Seminar Series – MGH, Center for Global Health

- www.massgeneralcenterforglobalhealth.org

HOPE Conference – Harvard Center for AIDS Research

- biweekly web-based series focused on HIV in resource-limited settings
- www.hopeconference.net, contact: krhan@partners.org

Global Oncology (GO!) Talks – Dana Farber Cancer Institute

- www.globalonc.org, contact: irini_albanti@dfci.harvard.edu

FIELD PLACEMENT – ROLES & RESPONSIBILITIES

OBJECTIVES FOR LEARNING

Fellows will serve as an integrated member for the field team, and engage in pediatric clinical care, medical education, quality improvement and program development in collaboration with the local team and site determined needs.

Through this experience, we anticipate that fellows will gain skills in providing clinical care in global, resource limited settings, in advocacy and culturally appropriate care, in collaboration to improve quality of care by implementing clinical guidelines, and in didactic and bedside teaching.

In addition, fellows will be expected to actively take a leadership role in developing a quality improvement and/or medical education initiative, and to complete a scholarly project over the period of the fellowship. Fellows will plan and execute these activities in collaboration with the field mentors as well as with their fellowship mentors.

OBJECTIVES FOR WORK AT FIELD SITE

- To enhance the quality of education of national trainees rotating through clinical services in pediatrics including postgraduates, medical students and nurses
- Support ongoing continuing medical education in pediatrics for national physicians and nurses
- To improve quality of care of patients through role modeling, enhancement of training programs and development of evidence-based clinical care guidelines and a culture of continuous quality improvement;
- To support those responsible for the delivery of care to patients in pediatrics, with a focus on medical training and quality improvement in pediatric care.

BREAKDOWN OF SPECIFIC ROLES

Educational/clinical teaching responsibilities (70%):

- Actively participate in bedside-teaching, as well as seminar-based teaching
- In collaboration with national faculty:
 - Participate in development and delivery of materials, programs and tools to enhance learning & teaching
 - Organize and conduct seminars in evidence-based medicine
- Engage in co-mentorship with national faculty to develop clinical and teaching skills
- Supervise postgraduate students in the delivery of care to patients for training purposes (both inpatients and outpatients)
- In collaboration with national faculty, assist in development and/or enhancement of clinical guidelines, as well as innovative therapeutic and diagnostic approaches in pediatrics

Administrative, Program Development and Research (30%):

- In collaboration with national faculty, work to improve quality of care and implementation of evidence based guidelines for pediatric
- Work collaboratively with NGO leadership in program planning, monitoring and management to improve quality of pediatric care
- Work in partnership with national counterparts to identify and develop opportunities for quality improvement projects
- Work collaboratively with NGO leadership, national counterparts and fellowship mentors to develop and implement a scholarly project.

FIELD SITE DESCRIPTIONS

Haiti - PIH

Site Description: Zanmi Lasante, PIH's sister organization in Haiti, provides care along with the Haitian Ministry of Health at 11 rural hospitals and health centers in Haiti. Fellows are placed at one of the ZL-supported hospitals where they work alongside Haitian pediatricians, generalist doctors, and nurses to provide care on inpatient pediatrics wards, and to initiate and participate in quality improvement initiatives with the clinical team. In addition to inpatient work, fellows participate in providing medical education for Haitian residents, medical students, and other trainees. Fellows also participate in programmatic and clinical care for other pediatrics programs such as pediatric noncommunicable diseases, neonatology, pediatric HIV, and malnutrition.

Rwanda - PIH

Program: Partners in Health-Inshuti Mu Buzima (PIH-IMB) was invited by the Rwanda Ministry of Health (MOH) to support the health system in 3 rural districts in 2005. Since that time, PIH-IMB has partnered closely with the central and district level MOH to support high quality care delivery at the community, health center, and district hospital levels, with strong advocacy, policy, and monitoring and evaluation platforms. The organization works to address core social determinants of health through a variety of clinical and non-clinical core and innovative programs, and share field experience with central level policy makers for national scale-up of successful models of care delivery.

Fellow Job Description: Pediatric global health fellows form a key part of the PIH-IMB pediatric team and serve in the role of District Clinical Advisor (DCA). Pediatric DCAs are assigned by the MOH and IMB to a specific MOH District Hospital where they support medical education and training in pediatric, malnutrition and neonatal care for MOH hospital staff (Rwandan general practitioners and nurses). They work side-by-side with the MOH hospital pediatric team, provide case-based teaching, and work together to identify key system-based challenges for quality improvement initiatives to be led by the hospital teams. Fellows collaborate with and report to the IMB District Clinical Director and the MOH Hospital Director. Additionally, DCAs have the flexibility to choose an area of interest to focus on for their scholarly work and can choose among the wide variety of clinical, training, medical education, quality improvement and research activities that are ongoing within the Pediatric Program at the community, health center, hospital and policy levels.

Liberia - Academic Collaborative to Support Medical Education

Program: ACSMEL seeks to achieve/provide the following service and programs: 1) To provide mentorship and teaching during direct clinical care 2) To build local capacity through participating in the development of Liberian Graduate Medical Education Programs (GME) 3) Implement facilitate sustained local need driven projects 4) Measure outcomes related to medical education, residency training and projects. Current work is done at the tertiary care and the medical school affiliated teaching institution John F. Kennedy Hospital with the plan to expand care coverage and medical education to other sites that the Liberian residents will rotate at as part of their GME program.

Current Local Need Based Projects:

- Chronic Illness Clinic: Medical home/primary care for children with noncommunicable diseases.
- NICU follow-up clinic: primary care for all infants discharged from the NICU up to age 6 months
- Enhanced well child clinic: Teen mother and infant healthcare clinic for primary care and parenting support.
- Clinical Practice Guidelines: Maintenance of evidence-based guidelines for inpatient pediatric care.
- Emergency Protocols: Eight emergency guidelines that are chief complaint driven to guide initial care at presentation by the nurses and mid-level providers.
- Malaria resistance: Blood samples are being obtained in malaria positive patients to assess for parasite sensitivity to various antimalarial agents.
- Malnutrition: Implementation of an inpatient refeeding program on the inpatient unit at the tertiary care facility.



Boston Children's Hospital
Global Pediatrics Program



July 17, 2013

We are now accepting applications for our **Global Pediatric Fellowship in Health Service Delivery** at Boston Children's Hospital for July 2014, with potential field placement with our collaborating partners in Rwanda and Haiti (Partners in Health) or with an affiliated partner in Liberia.

The fellowship aims to provide training in clinical care in low resource settings as well as in the training, development, management and evaluation of programs and projects aimed to improve child health in low resource settings.

Global Pediatric Fellows will rotate in 6 month blocks between their field placement with Partners in Health or with the affiliated Academic Collaborative to Support Medical Education in Liberia, and a clinical position in Boston over a 2 year period.

Partners In Health is a Boston-based not-for-profit organization that for more than two decades has focused on the health of the poor, now active in 10 countries, including Haiti, Rwanda, Malawi, and Lesotho. Many of these sites have a paucity of pediatric-trained physicians to lead capacity building. Partners in Health seeks fellows to help address the significant challenges facing these vulnerable populations. At the Liberia site fellows are placed into an academic teaching position to teach as part of the upcoming implementation of a pediatric residency. Clinical work includes clinical and didactic teaching to medical students, interns and residents while supplementing Liberia medically underserved pediatric workforce with just 2 pediatricians in the entire country.

The work in a field placement with Partners in Health or in Liberia would involve: developing strong productive relationships with national colleagues to identify core challenges to quality pediatric care and devising a collaborative plan for improvement; accompanying health care workers in developing their capacity to implement new program initiatives and quality care interventions; and sharing clinical expertise at the bedside and through didactic teaching.

While at Boston Children's Hospital, pediatricians will work clinically as hospitalists and will have the opportunity to attend regular lectures and seminars on relevant global health topics. In addition, fellows will attend a summer program in global health at Harvard School of Public Health.

We welcome candidates with interests in:

- Collaborative learning, teaching and mentorship
- Commitment to the improvement of healthcare within the public sector
- Community outreach, primary care, hospital based tertiary care, and social justice

The ideal candidate would have the following qualifications:

- Board-certification or Board-eligibility in pediatrics or medicine-pediatrics
- A willingness to learn languages as needed (French for Rwanda/Haiti; none for Liberia)
- A desire to gain experience with health care delivery in low resource settings.
- A talent for teaching and an interest in medical education as well as monitoring and evaluation
- Excellent clinical pediatric skills in care of acute hospitalized pediatric patients

If you are interested in pursuing this opportunity, or know of someone interested in this work, please complete the application form in order to be contacted for an interview. For more information, visit our website: childrenshospital.org/globalpediatrics. If you have questions, please contact Tony Tran: ton.tran@childrens.harvard.edu

Sincerely,

Kim Wilson, MD, MPH
Fellowship Co-Director,
Boston Children's Hospital

Sara Stulac, MD, MPH
Fellowship Co-Director,
Boston Children's Hospital;
Director of Pediatrics, Partners in Health



Boston Children's Hospital
Global Pediatrics Program



Global Pediatric Fellowship in Health Service Delivery

APPLICATION FORM

DEADLINE: October 15, 2013 for July 2014 entry

NAME: _____ PROFESSIONAL DEGREE: _____

CURRENT POSITION and INSTITUTION: _____

BOARD STATUS or EXAM DATE: _____

PREFERRED MAILING ADDRESS: _____

E-MAIL: _____ PHONE: _____

PLEASE ENCLOSE:

1. **CURRICULUM VITAE**
2. **PERSONAL STATEMENT** explaining your career goals and how the fellowship would further these goals; 2 pg. or less
3. **LETTERS OF RECOMMENDATION** from 2 persons, sent directly to Dr. Kim Wilson at the street/e-mail address below
Please list their names, positions, and institutions here:

SIGNATURE: _____

DATE: _____

E-mail this application, CV, and personal statement to:

Tony Tran
Program Associate
ton.tran@childrens.harvard.edu
Tel: (617) 919-1257 or (617) 355-8298

Mail all recommendation letters to:

Kim Wilson, MD, MPH
Director, Global Pediatric Fellowship in Health Service Delivery
Boston Children's Hospital
300 Longwood Avenue, AU-522
Boston, MA 02115

Letters may be e-mailed in advance of hard copies:

kim.wilson@childrens.harvard.edu
CC: ton.tran@childrens.harvard.edu