

# **Global Pediatric Fellowship in Health Service Delivery**

Division of General Pediatrics  
Boston Children's Hospital

[childrenshospital.org/globalpediatrics](http://childrenshospital.org/globalpediatrics)

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## Boston Children's Hospital Global Pediatrics Program

### GLOBAL PEDIATRICS PROGRAM LEADERSHIP

Judith S. Palfrey, MD *Director*  
Kim Wilson, MD, MPH *Associate Director*  
Christiana Russ, MD, DTMH *Associate Director*

### GLOBAL PEDIATRIC FELLOWSHIP

#### LEADERSHIP

Kim Wilson, MD, MPH *Co-Director*  
Sara Stulac, MD, MPH *Co-Director*  
Chris Carpenter, MD, MPH *Associate Director & Haiti Supervisor*  
Hema Magge, MD, MS *Rwanda Site Supervisor*  
Michelle Niescierenko, MD *Liberia Site Supervisor*

#### FELLOWS

##### Haiti

Brittany Potts, MD *2<sup>nd</sup> Year, Field: June-December*  
Xinshu She, MD, MPH *1<sup>st</sup> Year, Field: January-June*

##### Liberia

Theresa Strong, MD *2<sup>nd</sup> Year, Field: January-June*  
Ophelia Adipa, MD *1<sup>st</sup> Year, Field: June-December*

##### Rwanda

Leana May, DO, MPH *2<sup>nd</sup> Year, Field: January-June*  
Jennifer Werdenberg, MD *1<sup>st</sup> Year, Field: June-December*

### STAFF

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### AFFILIATED FACULTY

#### HUMAN RESOURCES FOR HEALTH in RWANDA (HRH)

Shubhada Hooli, MD, MPH  
Samantha Rosman, MD

#### OTHER

Lara Antkowiak, MD  
MaryCatherine Arbour, MD, MPH  
Natasha Archer, MD  
Lisa Butler, PhD, MPH  
Grace Chan, MD, PhD, MPH  
Christopher Duggan, MD, MPH  
Sara Gonzalez, DO  
Anne Hansen, MD, MPH  
Vibha Krishnamurthy, MD  
Anne CC Lee, MD, MPH  
Leslie Lehmann, MD  
Duncan Maru, MD, PhD  
Kenneth McIntosh, MD  
Daphne Remy, MD  
Carlos Rodriguez-Galindo, MD  
Peter Rohloff, MD, PhD  
Dennis Rosen, MD  
Sadath Sayeed, MD, JD  
Janet Scott Lloyd, MD  
Diane Stafford, MD  
Venee Tubman, MD  
Jill Veselik, MD  
Julia von Oettingen, MD

## LEADERSHIP BIOGRAPHIES

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### **Judith Palfrey, MD**

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

Judith Palfrey is the T. Berry Brazelton Professor of Pediatrics at Harvard Medical School and a Senior Associate in Medicine at Children's Hospital, Boston. From 1986 to 2008, she served as the Chief of the Division of General Pediatrics at Children's Hospital. She was the National Director of Building Bright Futures, the Director of the National Program Office of the Anne E. Dyson Pediatric Training in the Community Initiative and is a Past President of the Academic Pediatrics Association and the American Academy of Pediatrics. Dr. Palfrey has focused her career on developing programs that address the social determinants of child health. She has promoted community interventions such as home visiting, school based coordination for children with disabilities, and early education. She has been active nationally in expanding opportunities for physicians to learn how to integrate advocacy into their daily practice as well as into their overall career directions. Her book *Child Health in America, Making a Difference Through Advocacy* includes information on clinical, group, legislative and professional advocacy. As Director of the Global Pediatrics Program at Children's Hospital, Boston, she is working to establish training and service programs in international sites based on her experiences in the United States. Dr. Palfrey is working with an interdisciplinary group of Chilean and American partners on Recupera Chile, a program of community reconstruction after the 2010 earthquake in the Bio Bio region of Chile. She and several international colleagues have recently published a new book *Global Child Health Advocacy*.



### **Kim Wilson, MD, MPH**

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

Dr. Kim Wilson's work focuses on strategies for improving health care delivery for underserved and at risk children in both domestic and global settings, particularly children with chronic medical or developmental concerns. Current projects in East Africa include leveraging mhealth technology to improve care delivery for ill newborns in Tanzania and an assessment of the impact of a nutritional and developmental intervention for follow up management of low birth weight and preterm infants in Rwanda. Dr. Wilson has also worked in on maternal and neonatal quality improvement projects at community and hospital sites in the Dominican Republic. In Boston, Dr. Wilson's quality improvement focus is on care improvements for underserved and minority children with special health care needs. In addition, Dr. Wilson is engaged in medical education with a focus on learning to serve underserved populations, and is involved with medical education programs including a Global Pediatric Fellowship, an advocacy curriculum for US pediatric residents, a tele-education for Rwandan pediatric residents, and the Human Resources for Health Program, an academic consortium supporting post graduate pediatric residency programs in Rwanda.



### **Sara Stulac, MD, MPH**

***Co-Director, Global Pediatric Fellowship in Health Service Delivery, Boston Children's Hospital; Deputy Chief Medical Officer, Partners In Health; Associate Physician, Division of Global Health Equity, Brigham and Women's Hospital; Teaching Affiliate, Division of Global Health and Social Medicine, Harvard Medical School***

Sara Stulac, MD, MPH, is the Deputy Chief Medical Officer 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 Boston Children's Hospital, 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**

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

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.

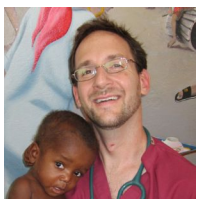
In her first year out of training Dr. Russ spent 6 months in western Kenya and Uganda, working with staff in two rural hospitals to improve pediatric care. This experience solidified her dedication to advancing pediatric care in resource limited settings, and her conviction that education and partnership 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, and co-chair of the new BCRP Academy for Community and Global Health. In 2009-10 she completed the Rabkin Fellowship in Medical Education. She is interested in curriculum development, preparation, mentorship and evaluation 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 has formed a Global Health Pediatric Education 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 associate medical director and hospitalist in the Intermediate Care Program. This is an inpatient unit at Children's Hospital Boston provides care for patients with acute on chronic illness requiring 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, BCH;***  
***Director of Pediatrics, Partners In Health/Inshuti Mu Buzima;***  
***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 in Medicine, 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, BCH;***  
***Director, Global Health Program, Boston Children's Hospital;***  
***Pediatric Emergency Medicine Attending, Boston Children's Hospital;***  
***International Pediatric Emergency Medicine, Associate Faculty Harvard Humanitarian Initiative;***  
***Instructor in Pediatrics, Harvard Medical School***

Michelle Niescierenko, MD is a Pediatric Emergency Medicine physician and director of the Global Health Program at Boston Children's Hospital. The Boston Children's Global Health Program works to improve child health globally through partnerships for clinical quality improvement, education, research and advocacy. She has experience in pediatric care and program development in China, Bolivia, Lesotho, Guatemala, Liberia and Indonesia. In Liberia she provided pediatric humanitarian aid in the immediate post-conflict setting partnering local remaining infrastructure to US academic institutions. Through these partnerships, sustainable programs for health system rebuilding including physician education and care for vulnerable children were developed. Her particular areas of research interest are in the provision of emergency care for children in humanitarian settings, the development of emergency care systems for children as well as the role of children in humanitarian crises.

## CURRENT FELLOWS

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### **Leana May, DO, MPH**

***Global Pediatric Fellow, Field Site: Rwanda***

*Pediatric District Clinical Advisor, Butaro Hospital in Rwanda, Partners In Health/Inshuti Mu Buzima;  
Clinical Fellow in Pediatrics, Harvard Medical School*

Leana May, DO, MPH 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, Dr. May 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 Dr. May has taken part in clinical and medical research in Guatemala, Costa Rica, India, Botswana, Ghana, Kenya, Malawi and Morocco. During residency Dr. May collaborated with St. Jude's International Outreach Program on examining barriers to accessing pediatric oncologic care in low resource settings. Dr. May enjoys volunteering as a camp doctor at the Hole in the Wall Gang Camp sitting on the Serious Fun Network Global Partnership Program advisory board for their 12 international camps and sitting on the Young Leaders Cancer Council of the LIVESTRONG Foundation. Dr. May will be splitting her time between Boston and Butaro, Rwanda with Partners In Health/Inshuti Mu Buzima during her fellowship.



### **Brittany Potts, MD**

***Global Pediatric Fellow, Field Site: Haiti***

*Pediatrician, St. Marc Hospital, Partners In Health/Zanmi Lasante;  
Clinical Fellow in Pediatrics, Harvard Medical School*

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**

***Global Pediatric Fellow, Field Site: Liberia***

*Pediatric Faculty, Liberia Post Graduate Medical Council;  
Affiliate Pediatric Faculty, JFK Hospital in Monrovia, Liberia;  
Clinical Fellow in Pediatrics, Harvard Medical School*

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 she 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.





## **Ophelia Adipa, MD**

***Global Pediatric Fellow, Field Site: Liberia***

*Clinical Fellow in Pediatrics, Harvard Medical School*

I graduated from Williams College in 2006 and from Jefferson Medical College in 2011. I was awarded a Howard Hughes Summer research fellowship in 2005 when I assisted in one of the microbiology laboratories at the Pasteur Institute in Paris. I explored my interest in HIV through a summer research fellowship at the Memorial Sloan-Kettering Cancer Center in August, 2008 and was accepted into the Hobart Amory Hare Medical Honor Society in 2009. I subsequently started my pediatric residency at Children's National Medical Center in Washington, DC in June, 2011. During residency, I completed an international elective in Ghana and will earn a Certificate in Global Child Health. My additional volunteer experiences have been in Senegal and Nicaragua.



## **Xinshu She, MD, MPH**

***Global Pediatric Fellow, Field Site: Haiti***

*Clinical Fellow in Pediatrics, Harvard Medical School*

Born in China, raised in Spain and educated in America, I grew up navigating across cultural and social systems. I love meeting people from different backgrounds and learning from them. My experiences with health disparities began when I taught African American children in West Philadelphia during College. By mentoring young children from an underserved community, we empowered them to live a healthy life and to pursue big dreams. In medical school, I lobbied in Washington DC and co-organized a national medical student service Project "Cover the Uninsured." I learned that as physicians, we can and we must become advocates for patients who otherwise have no voice in an imperfect system. As an MPH student, I studied the association between early puberty, childhood obesity and hypertension using a large Chinese epidemiological study. It changed my idea of challenges facing today's developing countries: chronic diseases are rapidly becoming predominant. I also coordinated a microfinance project in the DR Congo that provided sustainable funding to women and orphans despite the worldwide financial crisis. Empowerment, rather than charity, seemed to be the key to sustainable impact in Global Health. In 2009, I helped conduct a randomized controlled trial of iron fortification among rural children with the Chinese Center for Disease Control to prevent neuro-developmental delays. In 2010, I helped set up a pilot study in Guatemala City to incentivize early HIV detection via social networks. During residency, I spent 2 months living in the poorest province in China studying the health behaviors of school-age children and the community readiness for holistic school-based interventions. I am a recipient of the Albert Einstein Scholarship of Research and Service, The Albert Einstein Public Health Scholarship, the Johns Hopkins Global Health Field Study Grant and the American College of Preventive Medicine Future Leaders Student Award.



## **Jennifer Werdenberg, MD**

***Global Pediatric Fellow, Field Site: Rwanda***

*Clinical Fellow in Pediatrics, Harvard Medical School*

Jennifer graduated from Rice University in 2006 with a B.S. in Bioengineering focused on cellular and molecular engineering. During her time as an undergraduate Jenny remained active in serving under-resourced populations in Mexico, Bolivia and Guatemala through her church as a medical translator as well as being a leader the Rice Student Volunteer Program her Junior year. As a senior she was awarded the Alan Grob Award in recognition of "Being a voice for those who cannot speak." Following graduation she started medical School at University of Texas at Southwestern where she graduated in 2010 with her medical degree and a Certificate of Knowledge in Community Medicine which she earned secondary to her work throughout medical school in additional lectures, coursework, time spent in community clinics and capstone project with Vaccines for Children. Following medical school she became part of the first class of Global Health Pediatric Residents at Baylor College of Medicine. As part of her residency she spent twelve months working with the Baylor International Pediatric AIDs Initiative in Maseru, Lesotho in the Baylor Children's Center of Excellence, an outpatient clinic for children with HIV, and as a supervisor on the wards of Lesotho's national referral Center, Queen Mammohato Memorial Hospital. In addition to daily clinical duties she assisted in the mentoring and training of medical officers, organized and created lectures regarding common pediatric issues, assisted in the revision of clinical care guidelines and developed learning tools to assist the hospital medical officers during their transition to pediatric care. Additionally she became a certified Helping Babies Breathe trainer and participated in a grant to study the efficacy of this curriculum in Lesotho, Botswana, Swaziland and Malawi.



## FELLOWSHIP ALUMNI

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### **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.

### **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.

### **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

## FELLOWSHIP OVERVIEW & GOALS

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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.

# FELLOWSHIP COMPETENCIES

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## 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

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## 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 HSOPH: 1) Epidemiologic Methods for Global Health, 2) Introduction to Global Health Care Delivery, 3) Value-Based Management in Global Health Care Delivery.

## 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.

## Pediatric Global Health Clinical & Lab Skills Course

1. Clinical Skills Lectures (Malaria, TB, HIV, Parasites, Acute Malnutrition, IMCI & Acute Respiratory Infections, Fevers)
2. Clinical Skills Workshop (Trauma & Emergencies, Sedation)
3. Microbiology Lab Skills Lecture
4. Hematology Lab Skills Workshop

## Ultrasound Course

This is a 2-day course in point of care, bedside, clinician performed ultrasound geared towards pediatricians who plan to work in the developing world. 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. 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.

## Fellows' Seminar

Fellows will attend a monthly 2-3 hour seminar led by GPP Leadership & Faculty. Each seminar has a specific theme/focus:

1. Helping Babies Breathe Training Course
2. Medical Education, Microteaching Session
3. Ethics & Advocacy
4. Research

## 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.

### *Timetable*

- Identify project focus, mentor first 3 months in field or first 6 months in Boston
- Review of progress by SOC every 3 months
- Presentation of "Work in Progress" at the end of Year 1, or beginning of Year 2
- Completion of a scholarly project, reportable QI project
- Presentation of results
- Create poster for presentation at DOM Fellows' Day
- If able, submit for abstract or article

### *Examples of Past Projects Include:*

- Neonatal Nursing Mentorship Project: Novel medical educational intervention aimed to create neonatal nurse specialists in Haiti via linkage to US neonatal nurses, with evaluation showing significant improvements in elements of quality of care

- Development of Guidelines and Guide (published) for Care of Non Communicable Disease in Children
- Planning and implementation of a special care nursery at a district hospital, including training staff, implementing care guidelines and managing sourcing of necessary equipment.

## Reading List

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

## Global Health Seminar Series

A monthly seminar pertaining to child health in low-resource settings offered by the GPP. These seminars are open to the general public. Topics in past years have included:

Ethics in Global Health, Street Children, Childhood Disability in India, Global Pediatric Diabetes, a Perspective from Haiti, Family-Based Prevention of Mental Health Problems in Children Affected by HIV/AIDS in Rwanda, The Intersection of Humanitarian Aid and Global Health, Community Directed HIV/AIDS Care Delivery, Born Too Soon, Born Without a Breath, Born Infected: Strategies for Neonatal Survival, Lead and Arsenic Poisoning in Bangladesh, Designing Appropriate Mobile Health Technologies for Community Health Workers in Sub-Saharan Africa, Controversies in Pediatric Cancer Care in Resource Limited Settings

## Global Pediatrics Program – Quarterly Faculty Meetings

A quarterly meeting for GPP Leadership, Faculty, and Fellows.

## 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.

## IHI Open School Online QI Courses

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

## 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.

# OPTIONAL COURSES, SEMINARS, and EVENTS

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## BCH Office of Graduate Medical Education

### Strategies for Academic Success Course

In conjunction with the Boston Combined Residency Program (BCRP), the GME Office sponsors hospital-wide training activities for residents and fellows. This program was piloted in 2012 to offer training in a variety of areas of medical education that cut across all of the residencies and fellowships in their relevance. Drs. Jennifer Kesselheim, Ted Sectish, Cynthia Stein, and Debra Boyer have combined their experiences to develop curricular offerings that are of critical importance to all residents and fellows, regardless of the focus of their specialty.

- Career Development: Promotion, applications for Grants and key career development milestones
- Teaching & Leadership: Teaching, Giving Effective Feedback, Academic Leadership
- Ethics, Professionalism, & Humanism: Case-based discussions to review principles of research ethics and to allow for reflection on humanism and professionalism
- Academic Productivity: Giving scientific presentations, publishing, principles of EBM 10.5

## BCH Office of Fellowship Training

<http://www.childrenshospital.org/research-and-innovation/research-administration/office-of-fellowship-training>

- Basic Science Journal Club
- Career Progression & Life Management
- Clinical Discussion Session
- Job Talk Practices
- Leadership Discussion Series
- Grant Writing Workshop

## BCH Office of Faculty Development

<http://www.childrenshospital.org/clinician-resources/office-of-faculty-development>

## BCH Clinical Research Center

<http://www.childrenshospital.org/research-and-innovation/clinical-research-center>

- Intro to Biostatistics with SPSS
- RedCAP & i2b2 Information Sessions
- Intro to Regression Analysis
- Introduction to Longitudinal Analysis
- Art and Anatomy of Writing a Career Development Grant
- Study Design in Clinical and Translational Research

## HMS Academy

<http://hms.harvard.edu/departments/academy>

- Tools for Keeping Up With Medical Literature in Your Field
- Introduction to Tutorial for Prospective Tutors
- Teaching Value: Practical Strategies for Resident Engagement
- Improving Physician Education by Understanding How People Learn

## Global Health Events at Other Institutions

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

- contact: [ndookeran@partners.org](mailto:ndookeran@partners.org)

Global Health Lecture Series – Beth Israel Deaconess Medical Center

- monthly, contact: [jcrocker@bidmc.harvard.edu](mailto:jcrocker@bidmc.harvard.edu)

HIV Conference Series – MGH, Division of Infectious Diseases

- every Friday, contact: [krhan@partners.org](mailto:krhan@partners.org)

Global Health Seminar Series – MGH, Center for Global Health

- [www.massgeneralcenterforglobalhealth.org](http://www.massgeneralcenterforglobalhealth.org)

HOPE Conference – Harvard Center for AIDS Research

- biweekly web-based series focused on HIV in resource-limited settings
- [www.hopeconference.net](http://www.hopeconference.net), contact: [krhan@partners.org](mailto:krhan@partners.org)

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

- [www.globalonc.org](http://www.globalonc.org), contact: [irini\\_albanti@dfci.harvard.edu](mailto:irini_albanti@dfci.harvard.edu)



# FIELD PLACEMENT – ROLES & RESPONSIBILITIES

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## 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

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## 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



June 24, 2014

We are now accepting applications for our **Global Pediatric Fellowship in Health Service Delivery** at Boston Children's Hospital for July 2015, 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 in urgent care and attend regular seminars on relevant global health service delivery topics including clinical skills, ultrasound, quality improvement, research methodology, and teaching skills. In addition, fellows will attend the Global Health Delivery Summer Intensive 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
- 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](http://childrenshospital.org/globalpediatrics)  
If you have questions about this opportunity, please contact Program Coordinator, Tony Tran: [ton.tran@childrens.harvard.edu](mailto:ton.tran@childrens.harvard.edu)

Sincerely,

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

**Sara Stulac, MD, MPH**  
Co-Director, Global Pediatric Fellowship,  
Boston Children's Hospital;  
Deputy Chief Medical Officer, Partners In Health

## Global Pediatric Fellowship in Health Service Delivery

### APPLICATION FORM

**Deadline: October 10th, 2014 (for July 2015 entry)**

<b>Name</b>	<b>Professional Degree(s)</b>
<b>Current Position &amp; Institution</b>	
<b>Board Status or Exam Date</b>	
<b>Mailing Address</b>	
<b>Email Address</b>	
<b>Phone Number</b>	<b>Skype ID</b>

#### REQUIRED DOCUMENTS:

1. Curriculum Vitae
2. Personal Statement -- in less than 2 pages, please explain your career goals, how the fellowship program would further these goals
3. Two (2) Letters of Recommendation --- letters should be addressed to Program Director, Kim Wilson, MD, MPH, and must be e-mailed directly from the letter writer to Program Coordinator, Tony Tran: [ton.tran@childrens.harvard.edu](mailto:ton.tran@childrens.harvard.edu)

*For each of your letter writers, please list their name, current position, and institution:*

**Letter #1**

**Letter #2**

**Please e-mail your completed application form, CV, and personal statement to:**

**Tony Tran, Program Coordinator**

**[ton.tran@childrens.harvard.edu](mailto:ton.tran@childrens.harvard.edu)**