



# **Weill Cornell Medicine**

## **Global Health Education**

### **GLOBAL HEALTH**

### **STUDENT GUIDEBOOK**

2018-2019

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## CONTENT OVERVIEW

*This booklet provides an overview of the Global Health Program at Weill Cornell, including information on the curriculum, global health faculty, and extracurricular global health programs.*

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## OFFICE OF GLOBAL HEALTH EDUCATION

For over fifty years, Weill Cornell faculty members have been actively involved in research and clinical medicine in both developed and resource-poor countries. The medical college's **Office of Global Health Education (OGHE)** oversees and coordinates the global health educational electives program for Weill Cornell medical students as well as for visiting international medical students who wish to participate in a clinical elective at Weill Cornell. OGHE was established by the Dean to administer global health education activities that now include international clinical electives placements and a global health education curriculum.

OGHE's mission is to provide Weill Cornell students with information and counseling about study opportunities abroad (clinical, research, community health), to facilitate referral to Weill Cornell faculty mentors and sponsors in host countries, and to increase endowment funding to permit any Weill Cornell medical student who wishes to take an international elective to do so. As part of its mission, OGHE views itself as a vehicle for capacity building with global partners. Towards this effort, OGHE has formed formal and informal agreements with medical colleges around the world.

### **Global Health Research Opportunities Abroad**

Weill Cornell provides opportunities for medical students to better understand global health challenges through mentored research and clinical experiences abroad. As an effort to continue to expand the global health curriculum, OGHE works with students and faculty to identify sites and projects around the world and assesses each for academic rigor and value to our program. Students can participate in research projects over the summer between their first and second year, during their AOC, in a year off between third and fourth year, or as a clinical rotation or research project during their fourth year. Interested students must meet with faculty members and/or the Director of OGHE to discuss potential projects in advance of going abroad.

To learn about opportunities abroad and explore the global health projects undertaken by our students, visit our [Project Map Database](#).

### **Global Health Curriculum (GHC)**

The GHC is a faculty-student-run elective that spans the four years of medical school. The curriculum includes course modules, a preceptorship program, mentorship, and opportunities for research abroad. Students may participate in as many parts of the curriculum as they like, and have the opportunity to earn a Certificate in Global Health. Please see page 5 for an overview of the curricular components.

### **Certificate in Global Health**

The purpose of the Certificate in Global Health is to recognize students who have dedicated significant hours to the field of global health through meaningful engagement with the global health program curriculum throughout medical school. This certificate is awarded upon graduation to any student who has met the requirements. Please see page 43 for more information regarding the Certificate in Global Health.

### **Global Health Area of Concentration (AOC)**

The Global Health AOC is designed to prepare WCM students to be future leaders in global health through a longitudinal elective program featuring didactic course work, experiential learning, and a mentored pathway

for a career in global health. Students may declare their interest in the Global Health AOC, by participating in many aspects of the Global Health Curriculum. Students who wish to do their Scholarly Project abroad may do so under the mentorship of a Weill Cornell and host mentor. The process of selecting a mentor for the research project to be carried out abroad is the same as that listed in the AOC website. For more information on the Global Health AOC please contact Global Health AOC leaders, Dr. Madelon Finkel at [maf2011@med.cornell.edu](mailto:maf2011@med.cornell.edu) or Dr. Daniel Fitzgerald at [dwf2001@med.cornell.edu](mailto:dwf2001@med.cornell.edu).

### **Global Health Diplomacy Area of Concentration (AOC)**

This AOC will provide an overview of the US Government's mission to work with academic medical centers to develop policies and programs aimed at assisting resource-restrained countries in order to prevent the spread of infectious diseases and to manage the threat of non-communicable diseases. In addition, students will learn about the "tradedcraft" side of global health diplomacy in order to appreciate the role of health organizations in their efforts to combat disease. Students will learn how to approach government-to-government negotiations involving bilateral or multi-lateral science agreements related to the global burden of disease. The development of health technology innovations as a tool to managing global health goals and solutions will be emphasized as they relate to science diplomacy. For more information on the Global Health Diplomacy AOC, please contact Dr. David P. Hajjar at [dphajjar@med.cornell.edu](mailto:dphajjar@med.cornell.edu).

## **Center for Global Health**

### **Overview**

The Center for Global Health serves Weill Cornell Medical College and Cornell University in fostering the goals of its current NIH Global Health Network. The Center, based in the Department of Medicine, has NIH-funded programs in Brazil, Haiti, Tanzania, and India, focusing on HIV/AIDS, TB, and infectious disease research. See <https://globalhealth.weill.cornell.edu/about-us/global-health-weill-cornell-and-cornell-university> or reach out to Daniel Fitzgerald, MD ([dwf2001@med.cornell.edu](mailto:dwf2001@med.cornell.edu)) for more information.

# GLOBAL HEALTH OPPORTUNITIES PATHWAY

## MS 1

- [Global Health Preceptorship \(F/S\)](#)
- [Intro to Global Health \(S\)](#)
- [Foundations in Global Service \(S\)](#)

## [International Summer Research Experience](#)

## MS 2

- Decide on Global Health Area of Concentration (AOC)

## MS 3

- [Global Health AOC Scholarly Project](#)
- [Decide 4th year electives](#)

## [Research Year](#)

- [Doris Duke International Fellowship](#)
- [NIH Fogarty International Center Program](#)

## MS 4

- [Clinical or Research Elective Abroad](#)
- [Global Health Certificate](#)

## Monthly Events

- [GH Grand Rounds](#)
- [GH Journal Club](#)
- [GH Career Chats](#)

## Fall Events

- Center for GH Sponsored Social Hour
- [GH Student Research Panel](#)
- [International Reception](#)

## Spring Events

- [Emory GH Case Competition](#)
- Medical Spanish Course
- [International Fellows Reception](#)

## Student & Faculty Mentorship

## Student Groups

- [Global Health Collective](#)
- [Cornell Water Society](#)
- [Future of Care](#)
- [Infectious Disease Interest Group](#)

## Other Events

- Global Health Sponsored Social Hours
- World AIDS Day

## FACULTY INVOLVED IN GLOBAL HEALTH RESEARCH

Faculty Name	Specialty/Research Interest
<b>Josyann Abisaab, MD, FACEP</b> Assistant Professor of Clinical Medicine	Emergency Medicine; Refugee Health
<b>Ana Alzaga Fernandez, MD</b> Assistant Professor in Ophthalmology	Ophthalmology
<b>Jason Baker, MD</b> Assistant Professor of Clinical Medicine	Diabetes
<b>Onyinye Balogun, MD</b> Assistant Professor of Radiation Oncology	Delivery of Radiation Therapy
<b>Eric Brumberger, MD</b> Program Director, Department of Anesthesiology	Anesthesiology
<b>Adeel Ajwad Butt, MD [Qatar]</b> Professor of Medicine Hamad Medical Corporation	Hepatitis
<b>Kirk Deitsch, PhD</b> Professor of Microbiology and Immunology	Malaria
<b>Randi Diamond, MD</b> Assistant Professor of Medicine	Geriatrics and Palliative Medicine
<b>Jennifer A. Downs, MD, PhD [Tanzania]</b> Assistant Professor of Medicine Center for Global Health	HIV and Schistosomiasis
<b>Kathryn Dupnik, MD [Brazil, Haiti]</b> Assistant Professor of Medicine Center for Global Health	Leprosy
<b>Sabine Ehrt PhD</b> Professor of Microbiology and Immunology	Tuberculosis
<b>Ernie Esquivel MD</b> Medicine Clerkship Director Assistant Professor of Clinical Medicine	Nephrology
<b>Oliver Fein, MD</b> Professor of Clinical Healthcare Policy and Research, Professor of Clinical Medicine Associate Dean of Affiliations	Health System Reform; Comparative Health Systems
<b>Madelon L. Finkel, PhD</b> Professor of Clinical Healthcare Policy and Research Director, Office of Global Health Education	Healthcare Policy; Women's Health Issues; Global & Public Health
<b>Joseph J. Fins, MD, MACP, FRCPa</b> The E. William Davis, Jr. M.D. Professor of Medical Ethics and Chief of the Division of Medical Ethics	Bioethics; Neuroethics; Psychiatry

<p><b>Daniel W. Fitzgerald, MD</b>  Professor of Medicine,  Immunology and Microbiology  Director, Center for Global Health</p>	Global Health; Infectious Disease
<p><b>James Gallagher, MD</b>  Associate Professor of Clinical Surgery  Director, William Randolph Hearst Burn Center</p>	International surgery; Burn Care
<p><b>Alfred C. Gellhorn, MD</b>  Associate Professor of Rehabilitation Medicine</p>	Sports Rehabilitation; Rehabilitation Medicine
<p><b>Marc Goldstein, MD, DSc (hon), FACS</b>  Matthew P. Hardy Distinguished Professor of Reproductive  Medicine and Urology</p>	Global Health; HIV; Urology
<p><b>Linnie M Golightly, MD</b>  Associate Professor of Clinical Medicine</p>	Malaria
<p><b>David P. Hajjar, PhD</b>  Professor of Pathology and Laboratory Medicine</p>	Global Health Diplomacy
<p><b>Roger Hartl, MD</b>  Professor of Neurological Surgery  Director of Spinal Surgery and Neurotrauma  Director of Center for Comprehensive Spine Care</p>	Neurosurgery
<p><b>Duncan Hau, MD</b>  Assistant Professor of Pediatrics</p>	Pediatrics
<p><b>Caitlin Hoffman, MD</b>  Assistant Professor of Neurosurgery</p>	Neurosurgery
<p><b>Kevin Holcomb, MD, FACOG</b>  Associate Professor of Clinical Obstetrics and Gynecology</p>	Gynecologic Oncology
<p><b>Thanakorn Jirasevijinda, MD</b>  Associate Professor of Pediatrics</p>	Pediatrics
<p><b>Warren D. Johnson, Jr., MD</b>  Professor of Medicine;  Founding Director, Center for Global Health</p>	Global Health; Infectious Disease
<p><b>Christine Joyce, MD</b>  Assistant Professor of Pediatrics in the Division of Pediatric  Critical Care Medicine</p>	Pediatric Critical Illness
<p><b>Björn F. C. Kafsack, PhD, MHS</b>  Assistant Professor in Microbiology &amp; Immunology</p>	Malaria
<p><b>Selin Somersan-Karakaya, MD,</b>  Assistant Professor of Medicine</p>	Tuberculosis
<p><b>Gunisha Kaur, MD, MA</b>  Instructor in Anesthesiology  Director, Anesthesiology Global Health Initiative</p>	Anesthesiology; Chronic Pain in Survivors of Torture

<p><b>Justin Kingery, MD, PhD [Tanzania]</b> Instructor in Medicine Center for Global Health</p>	Infectious Diseases; Cardiovascular Disease
<p><b>Dr. Richard Lee, MD, MBA</b> Program Director for the Urology department</p>	Urology; HIV
<p><b>Philip S. Li, MD</b> Professor of Research in Urology Professor of Research in Reproductive Medicine</p>	Urology; Reproductive Medicine; HIV
<p><b>Halinder Mangat, MD</b> Assistant Professor of Neurology</p>	Neurosciences in Sub-Saharan Africa
<p><b>Jyoti Mathad, MD</b> Assistant Professor of Medicine Center for Global Health</p>	Tuberculosis
<p><b>Molly McNairy, MD, MSc</b> Assistant Professor of Medicine Center for Global Health</p>	Women's Health; HIV; Cardiovascular Disease; Slum Health
<p><b>Estomih Mtui, MD</b> Professor of Anatomy in Radiology Professor of Anatomy in Cell and Developmental Biology</p>	Anatomy; Neuro-Radiology
<p><b>Carl Nathan, MD</b> R.A. Rees Pritchett Professor and Chairman Microbiology and Immunology, Weill Cornell Medicine</p>	Tuberculosis
<p><b>Mayur Narayan, MD, MPH, MBA, MHPE, FACS, FCCM, FICS</b> Attending Surgeon at Weill Cornell Medical Center in the Division of Trauma, Burns, Critical and Acute Care Surgery</p>	Trauma; Burns; Critical and Acute Care Surgery
<p><b>Oskana Ocheretina, PhD</b> Assistant Professor of Microbiology in Medicine Center for Global Health</p>	Global Health
<p><b>Jean W. Pape, MD [Haiti]</b> Professor of Medicine Director, GHESKIO Center Center for Global Health</p>	Tuberculosis; HIV
<p><b>Robert N. Peck, MD, MS, DTM&amp;H [Tanzania]</b> Assistant Professor of Medicine and Pediatrics Center for Global Health</p>	Global Health
<p><b>Vivian Pender, MD</b> Clinical Associate Professor of Psychiatry</p>	Global Mental Health; Human Trafficking; Human Rights
<p><b>Jeffrey Perlman, MB, ChB,</b> Professor of Pediatrics</p>	Neonatal Global Health
<p><b>Barbara Reissman, DPH</b> Senior Lecturer in Healthcare Policy &amp; Research Senior Lecturer in Public Health</p>	Environmental & Occupational Health; Food & Water Sanitation



<b>Paula Roy-Burman, MD, DTM&amp;H</b> Assistant Professor of Medicine	Medical Education & Healthcare Delivery
<b>Kyu Y. Rhee, MD, PhD</b> Associate Professor of Medicine & Microbiology & Immunology	Tuberculosis; Infectious diseases
<b>Bruce R. Schackman, PhD,</b> Distinguished Professor of Healthcare Policy & Research	HIV & Adolescent Health in Haiti; Health Economics
<b>Dirk Schnappinger, PhD</b> Associate Professor of Microbiology and Immunology	Tuberculosis
<b>Art Sedrakyan MD, PhD</b> Professor of Healthcare Policy and Research in Cardiothoracic Surgery	Medical Device Epidemiology
<b>Joseph Shin, MD</b> Assistant Professor of Medicine	Survivors of Torture; Human Rights for Vulnerable Populations
<b>Matthew Simon, MD</b> Assistant Professor of Medicine, Infectious Disease Assistant Professor, Health Care Policy and Research	Economic Analysis of Infectious Diseases
<b>Barry Smith, MD, PhD</b> Professor of Clinical Surgery	Problem Solving for Better Health
<b>Grace Sun, MD</b> Assistant Professor of Ophthalmology Director of the Ophthalmology Clinical Practice	Ophthalmology
<b>Radhika Sundararajan, MD, PhD</b> Center for Global Health & Assistant Professor in Emergency Medicine	HIV; Malaria; Health Behavior
<b>Sheida Tabaie, MD</b> Assistant Professor of Clinical Anesthesiology	Anesthesiology
<b>Mary A. Vogler, MD</b> Associate Professor of Clinical Medicine	Clinical HIV; HIV Clinical Trials; Infections in women and pregnancy
<b>Kathleen Walsh, MD</b> Instructor in Medicine Center for Global Health	Tuberculosis; Communicable Diseases
<b>Steven Witkin, PhD</b> Professor Emeritus in the Department of Obstetrics and Gynecology	Obstetrics and Gynecology

## PROFILES OF FACULTY INVOLVED IN GLOBAL HEALTH RESEARCH

**Josyann Abisaab, MD, FACEP**, is a senior attending physician in the Emergency Department at the New York Presbyterian Hospital and faculty of the Global Emergency Medicine Program at Weill Cornell Medicine. Her areas of interest include global health, complex humanitarian emergencies, and refugee protection. She is also a Fellow at the Harvard FXB Center for Health and Human Rights, and has conducted human rights research and advocacy in the Syrian refugee camps in Jordan and Lebanon. She is currently involved in a research initiative in Lebanon with the International Committee of the Red Cross with a focus on health care access among host and refugee communities.



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**Ana Alzaga Fernandez, MD**, graduated from the medical school of the Universidad Autonoma de Tamaulipas in Tampico, Mexico. She is an assistant professor of Ophthalmology at Weill Cornell Medicine. She provides comprehensive eye care and specializes in Cornea, Refractive and Cataract Surgery as a member of the Weill Cornell Eye Associates. She is highly committed to helping communities around the world through global health outreach efforts. She currently spearheads the department's Corneal Mission Program in Mauritius. Twice a year, WCM physicians travel to Mauritius to perform patient examinations and corneal transplants while supporting local ophthalmologists through education and training.



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**Jason Baker, MD**, is an Assistant Professor of Medicine and Attending Endocrinologist at Weill Cornell Medicine- New York Presbyterian. Dr. Baker is involved in numerous global health diabetes projects, and is the founder of the non-profit organization "Marjorie's Fund" ([www.marjoriesfund.org](http://www.marjoriesfund.org)), a type 1 diabetes global initiative dedicated to education, care, and research of type 1 diabetes in the developing world. Marjorie's Fund strives to support and improve diabetes care, education and research in resource poor settings with projects in Rwanda, Uganda, Ethiopia, India and New York City. Dr. Baker is also a member of Rwanda Type 1 Diabetes International Collaborators Group and the Insulin International Task Force. Other countries he has worked in include Qatar, UAE, Egypt, Haiti, Nicaragua, Guatemala, and the Republic of Georgia.



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**Onyinye Balogun, MD**, is an Assistant Professor of Radiation Oncology at Weill Cornell Medicine specializing in gynecologic and gastrointestinal malignancies. She is a graduate of Harvard University, and after a gap year spent in Nigeria conducting breast cancer research and advocacy, she enrolled in the Yale University School of Medicine. Dr. Balogun initiated her residency training at the University of Chicago and completed her final year at New York University. She has conducted and published breast cancer research in novel therapeutics for triple negative breast cancer and brain metastases. She is also engaged in hepatocellular cancer research as well as global health activities with a focus on improving the delivery of radiation therapy in low and middle income countries. She is currently spearheading initiatives in Armenia and Gabon on training for breast and gynecologic cancer care delivery.



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**Eric Brumberger, MD**, is a board-certified Anesthesiologist specializing in regional and thoracic anesthesia. He earned a Bachelor of Arts Degree in Near Eastern Studies from Cornell University, and attended medical school at The Albert Einstein College of Medicine. Dr. Brumberger completed residency in Anesthesiology at New York-Presbyterian Hospital, Weill Cornell Medical College where he also was a fellow in regional and thoracic anesthesia. Dr. Brumberger spends most of his clinical time doing regional, thoracic, and obstetric anesthesia. He is proficient in ultrasound-guided nerve blocks and catheter placements of the upper and lower limbs as well as the trunk. He is very involved in medical student and resident education and is the Program Director for the Department of Anesthesiology. Dr. Brumberger has co-created innovative educational programming through both a Global Health Elective in Punjab, India and Rwanda and a course for undergraduates at Cornell in Ithaca, as well as an elective in Veterinary Anesthesiology at the Cornell University College of Veterinary Medicine.



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**Adeel Ajwad Butt, MD, MS, FACP, FIDSA**, is a Professor of Medicine and Professor of Healthcare Policy and Research at Weill Cornell medicine. Dr. Butt's work, education, and training experience spans several countries over five continents. His areas of interest include Hepatitis C, antimicrobial resistance, antimicrobial prescription patterns, research capacity building and patient safety. He has been the recipient of numerous national and international awards, including a Fullbright Scholarship, Yale-Johnson and Johnson Award in International Health, a National Talent Pools Scholars Award and IDSA Training Faculty award to Africa, in addition to Excellence in Research Awards from various institutions in the US, the UAE, and Qatar. He has lectured extensively around the world and provided consultations to governmental and non-governmental organizations in building research, educational and training capacity in resource limited settings. He has published over 150 papers in high impact medical journals, and presented over 140 abstracts at major international conferences



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**Kirk Deitsch, PhD**, is a Professor of Microbiology and Immunology. Dr. Deitsch is the director of the annual summer workshop on “The Cell Biology of Pathogens” organized by the American Society for Cell Biology and hosted by the University of Ghana in Accra, Ghana. The focus of Dr. Deitsch’s current research project is to understand how the malarial parasite, *Plasmodium falciparum*, regulates expression of the *var* gene family. Dr. Deitsch’s laboratory also studies how parasites generate diversity within these antigen encoding genes. Parasites isolated from different geographic regions typically have completely different *var* gene repertoires, thereby preventing their human hosts from generating an immune response that can recognize all parasites. Thus, *var* genes appear to be diversifying much more rapidly than the rest of the genome. This process of diversification involves frequent gene conversion events that are initiated by DNA double strand breaks. Dr. Deitsch has also initiated studies into how malaria parasites repair DNA double strand breaks and how the special chromatin structure found at *var* loci influences this process.



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**Randi Diamond, MD**, is an Assistant Professor of Medicine in Geriatrics and Palliative Medicine at Weill Cornell Medicine and New York Presbyterian Hospital. She is involved the development of creative educational programs as the Founding Director of the Liz Claiborne Center for Humanism in Medicine, and is an active clinician educator, practicing inpatient palliative medicine consultation and working with medical students, residents and fellows in palliative care, reflective practice and medical humanities. In addition, she is committed to her work in global health, traveling annually to rural Uganda to provide and teach palliative medicine. She serves on the NYPH Ethics Committee and is a faculty advisor to the WCMC student humanities journal, *Ascensus*.



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**Jennifer A. Downs, MD, PhD**, received her M.D. from Weill Cornell Medical College and her PhD in Parasitology from Leiden University (the Netherlands). She completed her Internal Medicine residency training at Columbia University College of Physicians and Surgeons, followed by her Infectious Diseases fellowship at New York-Presbyterian Hospital-Weill Cornell Medical College. Her research focuses on urogenital schistosomiasis and HIV susceptibility in women of reproductive age in Tanzania, where she has worked since 2007. Her research in Tanzania has been recognized by the Infectious Diseases Society of America Fellowship Award in International Infectious Diseases (2009), the Weill Cornell Department of Medicine Outstanding Junior Faculty Investigator Award (2011), a Bill and Melinda Gates Grand Challenges Explorations research grant (2014), an NIH/NIAID K23 Mentored Patient-Oriented Research Career Development Award (2014), a Gilead Sciences Research Scholars in HIV Award (2017), and an American Society for Clinical Investigation Young Physician-Scientist Award (2017).



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**Kathryn M. Dupnik, MD**, is an Assistant Professor of Medicine. Dr. Dupnik received her M.D. from the University of Virginia and completed her clinical training in Internal Medicine at New York-Presbyterian Hospital – Columbia University Medical Center. She stayed in New York City to complete training in infectious diseases at New York-Presbyterian Hospital- Weill Cornell Medical College. Dr. Dupnik completed her fellowship research training in northeastern Brazil, where she conducted research on the pathologic immune reactions associated with *Mycobacterium leprae* infection. Dr. Dupnik's current research focuses on host-pathogen response in mycobacterial infections. She continues to study *M. leprae* infection, and is a co-investigator with the WCMC Tuberculosis Research Unit (TBRU) focusing on differential gene expression and macrophage infectivity by *M. tuberculosis* in different clinical presentations of TB.



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**Sabine Ehrt PhD**, is a Professor of Microbiology and Immunology. She received her PhD from the University Of Erlangen, Germany. Her research group investigates the mechanism which *Mycobacterium tuberculosis* utilizes to establish and maintain chronic infections. The group currently focuses on mechanisms by which the pathogen evades or resists host-imposed stresses, proteins required for persistence *in vivo* and central carbon metabolism in *Mtb*. Dr. Ehrt is open to mentoring faculty, residents, and students who are interested in the research ongoing in her lab.



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**Ernie Esquivel MD**, received his medical degree from the University of Virginia. He is board certified in internal medicine and nephrology. Prior to his career as a hospitalist, he conducted research on the genetic basis of renal diseases, including polycystic kidney disease and nephrotic syndrome. Dr. Esquivel is heavily engaged in the education of medical students and directs the third-year Internal Medicine core clerkship. He is interested in ways to optimize learning and has developed innovative methods of teaching communication skills, inter-professionalism and reflection to students. The formation of professional identity in young trainees is also an area of great interest to him. Dr. Esquivel received advanced training in medical education and faculty development at the Harvard Macy Institute and the Stanford Faculty Development Center. He has lectured nationally and internationally and has expanded his area of interest to global health education. For his commitment to education and mentorship of students, he has been recognized with several teaching awards



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**Oliver Fein, MD** is a general internist whose work has focused on health system delivery reform on both the national and local levels. From 1993 to 1994, when he worked as a legislative assistant in the office of Senate Democratic Majority Leader, George Mitchell, he was involved with developing policy on healthcare benefits, graduate medical education, healthcare quality, public health, medical malpractice, antitrust and remedies and enforcements. On the local level, Dr. Fein has been concerned with access to healthcare for vulnerable populations and the role of the Academic Health Center. As Associate Dean for Affiliations at Weill Cornell Medical College, he is involved with diversifying the clinical and academic experiences for medical students through affiliations with hospitals and physicians who deliver health services to vulnerable populations. In addition, he is chair of the New York Metro chapter of Physicians for a National Health Program (PNHP), past President of national PNHP, and past Vice President for the United States of the American Public Health Association. Dr. Fein's health services research interests include health system reform and national health insurance. He has done work in ambulatory case-mix measurement, risk adjustment, different methods of measuring social class and health inequalities and comparing the role of primary care in health system reform in the United States and the United Kingdom. Internationally, he is interested in comparative health systems, with a particular interest in China.



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**Madelon L. Finkel, PhD** is a Professor of Healthcare Policy and Research as well as director of the Office of Global Health Education at the Weill Cornell Medical College in New York City. She is also course director in the Department of Healthcare Policy and Research and population sciences leader, area of concentration curriculum. Dr. Finkel earned her BA, MPA, and Ph.D. from New York University. She was a Visiting Professor at the School of Public Health, University of Sydney (Australia), in 2004, and in 2008 was named a Fulbright Senior Specialist awarded by The Fulbright Program. Dr. Finkel has been involved in epidemiological research and global health care policy studies over the past decades. Her current research focuses on a cervical cancer screening project in rural Tamil Nadu, India, as well as epidemiologic study of cervical cancer among inner city women in Lima, Peru. She is an acknowledged leading researcher on the global health impact of hydraulic fracturing. Dr. Finkel has served as consultant to numerous organizations, including law firms and pharmaceutical companies, in the areas of epidemiology, health care policy, and Public Health. She serves as Secretary of the Board of the Christian Medical College, Vellore (India).



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**Joseph J. Fins, MD, MACP, FRCP**, graduated from Wesleyan University, and Cornell University Medical College. Dr. Fins is The E. William Davis, Jr. M.D. Professor of Medical Ethics and Chief of the Division of Medical Ethics at Weill Cornell Medical College where he is a Tenured Professor of Medicine, Professor of Medical Ethics in Neurology, Medical Ethics in Rehabilitation Medicine, Health Care Policy and Research, and Medicine in Psychiatry. His current interests include ethical and policy issues in brain injury and disorders of consciousness, civil and disability rights for individuals with severe brain injury, palliative care, research ethics in neurology and psychiatry, medical education, methods of ethics case consultation, the history of medicine, and bioethics in the Spanish-speaking world. He has been a visiting professor at universities in Spain and South America, and collaborated with the Pan American Health an elected member of the Royal National Academy of Medicine of Spain as an Academico de Honor. He is currently engaged with bioethics programs in Madrid and Barcelona, and has expansive connections with scholars in medical ethics around the world and collaborations with investigators in neuroethics and disorders of consciousness in Canada, Belgium, the U.K. and France.



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**Daniel W. Fitzgerald, MD**, is a Professor of Medicine and Director, Center for Global Health. Dr. Fitzgerald trained in internal medicine and infectious diseases at the Massachusetts General Hospital. He conducts research and training in Haiti and Tanzania. His areas of interest include HIV/AIDS and tuberculosis clinical and translational studies, studies of HIV induced chronic inflammation and studies on HIV mucosal immunity and schistosomiasis in Tanzania. Other interests include improving informed consent and empirical studies to inform ethical guidelines for the conduct of clinical research in resource-poor countries. The training of clinician scientists in the United States, Haiti, and Tanzania is an integral part of his research activity.



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**James Gallagher, MD**, is an Associate Professor of Clinical Surgery and Director of the William Randolph Hearst Burn Center at NewYork-Presbyterian Weill Cornell Medical Center. He is known for his international experience in burn care. He is committed to teaching and sharing his expertise in this field with the ultimate goal of improving burn care, preventing burn injuries, and burn first aid. It is with this passion and dedication to burn care that led Dr. Gallagher to Tanzania where he has helped develop a comprehensive pediatric burn center. In 2008, Dr. Gallagher and his family relocated to New York City and Dr. Gallagher rejoined the team at the William Randolph Hearst Burn Center at NewYork-Presbyterian Weill Cornell for children and adults, and is the only burn center in the City of New York verified by the American Burn Association.



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**Alfred C. Gellhorn, MD**, is an Associate Professor in the Department of Rehabilitation Medicine at Weill Cornell Medicine. He was a volunteer in the US Peace Corps serving in Lesotho, Southern Africa, from 1997-1998. Following this, he completed medical school at the University of Pennsylvania and residency training at the University of Washington in Seattle. He completed a sports medicine fellowship and his current clinical and research interests involve the use of regenerative therapies to treat joint and tendon injuries. Since 2014 he has partnered with Weill Bugando Medical Center in Mwanza Tanzania to study the use of platelet rich plasma as a treatment for osteoarthritis in a low resource setting.



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**Marc Goldstein, MD, DSc (hon), FACS**, a summa cum laude graduate of the College of Medicine, State University of New York – Downstate Medical Center in Brooklyn, worked as a resident in general surgery at Columbia Presbyterian Hospital. After three years overseas in the U.S. Air Force, attaining the rank of Major and flying in F4 Phantom aircraft as a Flight Surgeon, Dr. Goldstein was trained in urology at Downstate Medical Center. He is the Matthew P. Hardy Distinguished Professor of Reproductive Medicine and Urology; Surgeon-in-Chief, Male Reproductive Medicine and Surgery; and Director of the Center for Male Reproductive Medicine and Microsurgery at the New York Presbyterian Hospital Weill Cornell Medical Center. Dr. Goldstein is internationally renowned for his pioneering work in vasectomy reversals and microsurgical repair of varicoceles and blockages. He was the first American surgeon to be trained in, and perform, the Chinese method of No-Scalpel Vasectomy. He has introduced the microsurgically assisted inguinal hernia repair which significantly reduces complications and failures. He is currently active in global health, helping to spearhead HIV risk reduction efforts in both China and Africa. He is an active participant in translational research and is currently involved in a HIV risk reduction study using a novel male circumcision device, named the ShangRing.



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**Linnie M. Golightly, MD**, is an Associate Professor of Clinical Medicine and Microbiology. Dr. Golightly trained in internal medicine at Harlem Hospital and in infectious diseases and molecular parasitology at Harvard University. Dr. Golightly's current research interests include: (1) Pathogenesis of cerebral malaria as mediated by microvascular damage/repair. These studies are in collaboration with Dr. Ben Gyan at the NMIMR in Ghana. (2) Development of a cell phone-imaging probe for diagnosing cerebral malaria. The project is in collaboration with Dr. Alberto Bilenca of the Ben-Gurion University in Israel. (3) Studies of Plasmodium falciparum parasite resistance and population structure in collaboration with investigators in GHESKIO in Port-au-Prince Haiti. Dr. Golightly has recently been appointed Associate Dean of Diversity and Inclusion.



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**David P. Hajjar, Ph.D**, received his PhD in Biochemistry in 1978 from the University of New Hampshire, after which he became a post-doctoral fellow at both Cornell University Medical College and The Rockefeller University. Dr. Hajjar has made significant contributions to cardiovascular research. As a Fulbrighter, Dr. Hajjar worked in Qatar in concert with Weill Cornell Medical College–Qatar, and the College of Arts and Sciences of Qatar University, to strengthen the biomedical research and educational enterprise of Qatar and to develop science policies and opportunities for collaborations between Cornell and Qatar University. In 2014, the National Academies selected him to be a Jefferson Science Fellow in the U.S. State Department to work in the Bureau of Global Health to continue his work on science diplomacy and policy issues as they relate to human health and disease in the Near East; and, in 2016, he became a senior fellow at the Brookings Institute focusing on educational science policy issues as they relate to human health and disease.



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**Caitlin Hoffman, MD**, graduated Summa Cum Laude from Columbia University before receiving her M.D. from Weill Cornell Medical College. She completed a neurosurgical residency and chief residency at New York-Presbyterian Hospital/Weill Cornell Medical Center and Memorial Sloan Kettering Cancer Center, then went on to complete advanced fellowship training in pediatric neurosurgery at the Hospital for Sick Kids in Toronto. Her clinical research focuses on advancement of minimally invasive approaches toward epilepsy treatment and genomic factors associated with outcome in craniosynostosis. She has a significant interest in global neurosurgery and is co-chair for an international summit on the state and future of global neurosurgery initiatives and is involved in the department's Tanzania mission to provide training and surgical presence.



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**Kevin Holcomb, MD, FACOG**, a graduate of Cornell University, he received his M.D. at New York Medical College, Valhalla, NY. His post-doctoral training has included an internship and residency in Obstetrics and Gynecology at New York Hospital – Cornell Medical Center. Dr. Holcomb joined is currently an Associate Professor of Clinical Obstetrics and Gynecology. In addition to helping diagnose and treat gynecologic cancers, Dr. Holcomb continues to develop more effective techniques in chemical, radiological and surgical treatments for these pernicious conditions. He is also very interested and active in the development of robotic and laparoscopic surgical techniques for gynecologic cancers. His research activities include clinical trials of new chemotherapy regimens as well as research in endometrial cancers and lymph node sampling. His research interests include treatment of locally advanced cervical cancer, pre-invasive cervical lesions in HIV-positive women, and analyses of cell characteristics in human ovarian cancers. He is currently involved in international mission work on the island of Grenada.



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**Thanakorn Jirasevijinda MD**, is an Associate Attending Pediatrician in the Division of General Academic Pediatrics at New York-Presbyterian Hospital/Weill Cornell Medical Center and Associate Professor of Pediatrics at Weill Cornell Medical College. Currently he can connect students with faculty in our oversea partners who are engaged in research projects. Please see his current active partners below:

- a. [Chulalongkorn University School of Medicine & Medical Center, Bangkok, Thailand.](#)
- b. [University of Glasgow School of Medicine & Royal Hospital for Children Glasgow, Glasgow, Scotland](#)
- c. [Shanghai Jiaotong University School of Medicine & Affiliated Hospitals, Shanghai, China](#)
- d. [Osaka City University School of Medicine & Hospital, Osaka, Japan](#)
- e. [Yodogawa Christian Hospital, Osaka, Japan. Pediatric Palliative Care/Osaka City University School of Medicine](#)



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**Warren D. Johnson, Jr., MD** is the B.H. Kean Professor of Tropical Medicine, Founding Director of the Center for Global Health. Dr. Johnson's career has been committed to research and training in infectious diseases, particularly in resource poor countries. His interests have included studies on AIDS, tuberculosis, and shistosomiasis, and leishmaniasis. His research has received uninterrupted NIH and foundation support in Brazil (1969-2017), Haiti (1979-2021), including a NIH Merit Award (1990), and in Tanzania (2006-2018). He has chaired numerous NIH Research Committees and served on the NIH and the NIAID National Advisory Councils. He also served as a Director of the ABIM, Chair of the ABIM Infectious Diseases Subspecialty Board, and as a Councilor of the IDSA. He is a member of the Brazilian National Academy of Science. Dr. Johnson was honored by having the GHESKIO medical center in Haiti named for him. In 2016, Dr. Johnson received the Columbia University College of Physicians and Surgeons Gold Medal for Excellence in Clinical Medicine.



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**Christine Joyce, MD**, received her medical degree from Stony Brook University. She is an Assistant Professor of Pediatrics in the Division of Pediatric Critical Care Medicine. Her interest in global health started during her pediatrics residency, where she completed a rotation at Weill Bugando Medical Center (BMC) in Mwanza, Tanzania. During fellowship she had the opportunity to work under the Head of Pediatrics, completing a project evaluating the epidemiology of bacteremia in pediatric patients and clinical predictors of resistant disease. Now as junior faculty, her current quality and research interests are being performed as a collaboration between BMC, Weill Cornell, the American Heart Association, and the Kenya Medical Research Institute. Active projects include "The Implementation of a Clinical Information Network in Mwanza, Tanzania," and "Evaluation of a Simulation Program to Teach First Line Providers how to recognize and Manage Severe Illness in Pediatric Patients." Her overall work focuses on early recognition of critical illness and implementation of stabilizing measures prior to disease progression. The implementation of a clinical information network aims to bring a pre-established network from Kenya to Tanzania, to improve the quality of medical records, allow for an audit and feedback system, and to more accurately understand disease metrics that will allow for improvements in quality of care.



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**Björn F. C. Kafsack, PhD, MHS**, is an Assistant Professor in Microbiology & Immunology. Dr. Kafsack earned a PhD and Masters in Bioinformatics from Johns Hopkins University investigating how *Toxoplasma gondii* parasites invade their host cells and exit from them. His subsequent postdoctoral work at Princeton University focused on defining mechanisms of gene regulation in malaria parasites and led to the identification of the transcriptional master regulator of malaria transmission. Since joining WCM in 2015, his research has expanded to define the regulatory network and mechanisms controlling this critical step in the parasite lifecycle through molecular and chemical genetic approaches.



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**Gunisha Kaur, MD, MA**, earned her B.S. from Cornell University in 2006, graduated from Weill Cornell Medical College in 2010, and completed her Anesthesiology Residency training at Weill Cornell Medical College/New York Presbyterian Hospital in 2014. Dr. Kaur holds a Master's in Medical Anthropology from Harvard University. In 2008, she published the book, *Lost in History: 1984 Reconstructed*, which documents human rights violations in South Asia. She is an anesthesiologist specializing in international health and is leading the Department of Anesthesiology's Global Health Initiative. She also serves as the Program Director for the Anesthesia Global Health Fellowship. Her work is centered around bringing both clinical as well as global health education to faculty, residents, and medical students at Weill Cornell Medical College. The programs that she has designed are focused on providing education on the biosocial factors that impact health, such as human rights abuses, gender violence, and conflict over natural resources. Dr. Kaur's current research projects include the evaluation of chronic pain in survivors of torture and detailing the biosocial factors that impact health in the developing world



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**Justin Kingery, MD, PhD**, is an Instructor in Medicine at Weill Cornell Medical College/New York Presbyterian Hospital and the Weill Bugando College of Health Sciences, Tanzania. He completed his Internal Medicine residency training at the University of Louisville Hospital after obtaining a combined MD/PhD degree from the University of Louisville focusing on cardioimmunology. From 2015-2018, he completed the Weill Cornell Global Health Research Fellowship studying cardiovascular disease in Tanzania. Dr. Kingery's interest is in the interplay of the immune and cardiovascular systems with a current focus on the immune mechanisms of cardiovascular disease in HIV-infected populations and how this translates to the general, HIV-negative population. His secondary interest is in mental health as it relates to immunology and cardiovascular disease.



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**Dr. Richard Lee, MD, MBA**, completed his undergraduate degree at Duke University and his MD/MBA in Healthcare Management at the University Of Pennsylvania School Of Medicine and the Wharton School. He completed his surgical internship and urology residency at Weill Cornell Medical College/New York-Presbyterian Hospital. He currently holds joint appointments within the Departments of Urology as well as Healthcare Policy & Research and currently serves as Program Director for the Urology department. Dr. Lee is active in global health, helping to spearhead HIV risk reduction efforts in both China and Africa. He is an active participant in translational research and is currently involved in a HIV risk reduction study using a novel male circumcision device, named the ShangRing. He has established collaborations with several other leading institutions, including The Population Council, Rockefeller University, Cornell Tech, and the Mayo Clinic. He is board certified by the American Board of Urology and holds a subspecialty certification in Female Pelvic Medicine and Reconstruction as well.



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**Philip S. Li, MD**, is a Professor of Research in Urology and Professor of Research in Reproductive Medicine; Director of the Male Infertility Microsurgical Research and Training Program at the Center for Male Reproductive Medicine and Microsurgery in the Department of Urology, and Cornell Institute for Reproductive Medicine, Weill Cornell Medical College of Cornell University. He is the Co-Director of the Center for the Chinese Andrology and Male Infertility Microsurgical Training by the Chinese Society of Andrology and the Chinese Society of Sexual Medicine. Dr. Li is an internationally recognized expert in the no-scalpel vasectomy (NSV) and a leading researcher in male infertility microsurgery. He has been one of the key figures in developing the surgical manual and protocol for the NSV technique, which has become the most popular vasectomy technique in North America. Working closely with his mentor, Dr. Marc Goldstein, Dr. Li plays a key role in leading several international RCT studies, as well as surgical training workshops for the ShangRing circumcision technique for HIV prevention in Africa and China. The ShangRing circumcision RCT in Africa was published by the WHO in its official pamphlets in 2012 and 2013.



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**Halinder Mangat, MD**, has been a member of the faculty at NewYork-Presbyterian Hospital/Weill Cornell Medical Center since 2010. He is an Assistant Professor of Neurology and Neurosurgery and is the medical director of the Neurocritical Care Unit. He completed his Residency in Internal Medicine at the University of Arkansas for Medical Sciences, Little Rock; Residency in Neurology at New York University/Mt. Sinai Medical Center; and fellowship in Neurocritical care at Addenbrookes Hospital/Cambridge University, UK. He also spent 2 years as a research fellow at the Department of Neurobiology and Neurochemistry at the Karolinska Institute, Stockholm. Dr. Mangat specializes in the care of patients with Neurotrauma and various acute brain injuries. He is active in improving infrastructure and quality of care for patients with Neurological disorders and Neurotrauma in Tanzania. He teaches Neurology, Critical care, and Neurocritical care, including at an annual regional Neurotrauma and Critical care symposium in Tanzania.



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**Jyoti S. Mathad, MD, MSc**, is an Assistant Professor of Medicine. Dr. Mathad received her M.D from Albany Medical College and completed her clinical training in Internal Medicine at the University of Maryland, where she served as Chief Resident. She returned to New York for training in infectious diseases at New York Presbyterian-Weill Cornell Medical College. During her fellowship, Dr. Mathad obtained a masters in Clinical Epidemiology and conducted research on the performance of latent tuberculosis screening tests in pregnant women in Pune, India. Now, her research focuses on the immune changes that occur during pregnancy and how they affect the diagnosis and treatment of infectious diseases. Dr. Mathad is also an investigator in the International Maternal, Pediatric and Adolescent AIDS Clinical Trials Group (IMPAACT) and chairs a trial on the safety, efficacy and tolerability of isoniazid/rifapentine for TB prevention in pregnant and postpartum women.



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**Molly McNairy, MD, MSc**, is a clinician-scientist trained in internal medicine. Her research focus is on improving the delivery of HIV care in resource-poor settings around the globe. Her work aims to reduce HIV-related mortality and decrease HIV transmission among vulnerable populations. During the past decade McNairy has worked in multiple countries in sub-Saharan Africa, where she has collaborated with various national governments to provide and expand HIV care and treatment to vulnerable populations. One example of McNairy's research is the [Link4Health study](#), funded by the [National Institutes of Health](#) and the [Bill & Melinda Gates Foundation](#). This study evaluated both structural and behavioral interventions to improve the linkages between HIV testing and care, as well as retention in care, among adults in Swaziland. A key focus of McNairy's work in Haiti is providing HIV testing among high-risk adolescents living in the slum communities adjacent to the [GHESKIO-Cornell clinic](#). She also works on many projects in Haiti related to cardiovascular disease.



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**Estomih Mtui, MD**, received his medical degree at the University of Dar-es Salaam, Tanzania. He is a Professor of Anatomy in Radiology, and Clinical Anatomy in Neurology and Neuroscience. He is a member of the Tanzania Medical Association, Society of Neuroscientists of Africa (SONA), and the International Brain Research Organization. At Weill Cornell Medicine, he has served as a member of the International Committee for eighteen years. He has assisted students with elective project placement at the Kilimanjaro Christian Medical Center in Moshi, and Weill Bugando in Mwanza Tanzania. The scope of these projects include; cervical cancer, albinism, nutrition, ophthalmology, and HIV research.



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**Carl Nathan, MD**, is the R.A. Rees Pritchett Professor and Chairman of the Department of Microbiology and Immunology at Weill Cornell Medicine. After 18 years as co-chair of the Program in Immunology and Microbial Pathogenesis at Weill Graduate School of Medical Sciences of Cornell University, he became dean of the Graduate School in September 2017. His lab is currently working to better understand the interaction between *Mycobacterium tuberculosis* and the host and to gain more control over the interaction. The lab takes a multidisciplinary approach to problems of *Mtb*'s biochemistry, antibiotic tolerance, antibiotic resistance and vulnerability to interventions, be they small chemical compounds or antibodies that target the pathogen or the host. We participate in two overlapping consortia— the Bill & Melinda Gates Foundation's TB Drug Accelerator, and the NIH-funded Tri-Institutional TB Research Unit. Both consortia include academics at other institutions and drug companies in the US and abroad.



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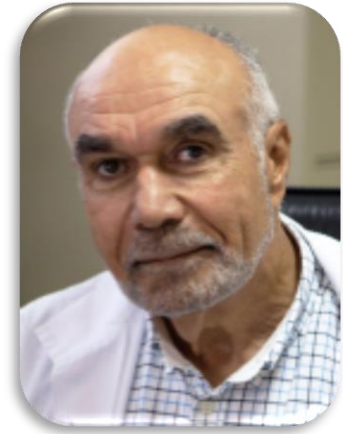
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**Jean W. Pape, MD**, is the Howard and Carol Holtzmann Professor of Clinical Medicine, Center for Global Health, Division of Infectious Diseases, Weill Cornell Medical College, NY USA, and Director, Les Centres GHESKIO, Port-au-Prince, Haiti. Dr Pape joined the Cornell Faculty in 1980. He developed an effective care model for infants with diarrhea in Haiti. Expansion of the model nationwide resulted in a 50% decrease in national infantile mortality. Dr Pape is credited with the recognition and 1<sup>st</sup> comprehensive description of AIDS in the developing world. In 1982, he established GHESKIO (Haitian Study Group on Kaposi Sarcoma and Opportunistic Infections) as one of the 1<sup>st</sup> AIDS centers in the world. More than three decades later, GHESKIO continues as one of the largest AIDS /TB treatment, training and research center in the Americas providing free care to >250,000 patients with HIV infection, STIs and TB, annually. He received many awards including the Légion d'Honneur (France, 2002), member of the Institute of Medicine (USA, 2003); Carlos Slim Health Research, Institut de France's Christophe Mérieux, Gates Global Health, Clinton Global Citizen, WHO Stop TB Partnership Kochon Award. In 2014, he received Haiti's highest honors, 'Honneur et Mérite, Grade Commandeur'.



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**Robert N. Peck, MD, MS, DTM&H**, is an Assistant Professor in Medicine and Pediatrics. Dr. Peck is boarded in medicine and pediatrics with additional training in epidemiology and tropical diseases. Since 2007 he has been working full-time in Mwanza, Tanzania as a faculty member of Weill Cornell and the Weill Bugando School of Medicine (WBSM). He coordinates the collaboration between WCMC and WBSM and also works at WBSM as an intensive care physician and medical educator. His research focuses on non-communicable diseases (NCDs), particularly hypertension, and the interactions between NCDs and infectious diseases such as HIV and renal disease and tuberculosis and diabetes mellitus. He also collaborates with the Tanzanian National Institute of Medical Research (NIMR) on community surveys for non-communicable diseases and is working on a cluster-randomized trial to evaluate a health systems intervention to improve health outcomes for adults living with chronic diseases. Current projects include studies of new-onset hypertension in young adults in Tanzania and the association between chronic inflammation, infections and hypertension.



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**Vivian Pender, MD** is a Clinical Professor of Psychiatry at the Weill Cornell Medical College and a Training Psychoanalyst at Columbia University. At the United Nations she represents the International Psychoanalytical Association and the American Psychiatric Association. Until 2011, she chaired the NGO Committee on the Status of Women and now chairs the NGO Committee on Mental Health, coalitions of non-government organizations in consultative status with the UN. She is a co-investigator on a Weill Cornell Department of Internal Medicine innovative grant to study "Experiences of Sex Trafficking Victims in Healthcare Settings." She produced four documentaries of conferences at the United Nations on mental health, human rights, human trafficking and violence. She has published journal articles and book chapters on affect, pregnancy, sex trafficking, and leadership. In 2016 her edited book *The Status of Women: Violence, Identity and Activism* was published.



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**Jeffrey Perlman, MB, ChB**, is a Professor of Pediatrics at the New York-Presbyterian Phyllis and David Komansky Children's Hospital at Weill Cornell Medicine and Chief of the Division of Newborn Medicine at Weill Cornell Medicine. He also directs the Neonatal Intensive Care Unit (NICU). He received his medical degree from the University of Cape Town (1974). His research interests include understanding the mechanisms of brain injury and potential treatment strategies in the preterm and term infant including intraventricular hemorrhage and hypoxic ischemic brain injury, optimizing the management of depressed newly born infants in the delivery room and reducing neonatal mortality morbidity in the low resource setting. A world-renowned expert in neonatal medicine, Dr. Perlman is currently working to build and sustain a Neonatal Global Health Program with the goal of reducing neonatal mortality and morbidity in Tanzanian and South Africa.



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**Barbara Reissman, DPH**, is a Senior Lecturer in the Department of Public Health at Weill Medical College of Cornell University. Her field is environmental health—specifically food and water sanitation. Dr. Reissman organizes and teaches the Environment component of the MPS 2 class, which deals with environmental and occupational health topics. Dr. Reissman has served as a Global Health AOC mentor on projects focused on waterborne illness in Haiti.



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**Paula Roy-Burman, MD, DTM&H**, completed her undergraduate studies at the University of California at Berkeley and obtained her medical degree from the Keck School of Medicine at the University of Southern California with an emphasis on community health. She completed residency in Internal Medicine at Weill Cornell Medical College and a Global Health Leadership Fellowship at Massachusetts General Hospital. She has earned a Diploma of Tropical Medicine and Hygiene from the London School of Hygiene and Tropical Medicine and is certified in point-of-care ultrasound. Roy-Burman's academic interests include medical education and healthcare delivery in resource limited environments. Most recently her work has centered in East Africa. In western Kenya, she was integral to developing a Family Medicine Residency Program at Sagam Community Hospital. In Tanzania, her work has focused on residency education where she has developed curriculums for electrocardiograms and ultrasound and their integration into practice in low-resource settings. She is currently working on a core curriculum for point-of-care ultrasound which can be used by mid-level healthcare providers.



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**Kyu Y. Rhee, MD, PhD**, received his medical degree from California Irvine School of Medicine, and completed his residency and fellowship at NewYork-Presbyterian Hospital/Weill Cornell Medical Center. He is an Associate Professor of Medicine and Microbiology and Immunology. His research interest is in Tuberculosis and infectious disease. *Research laboratory description:* A defining interest of our laboratory is the identification of new antibiotic targets and mechanisms. Unlike virtually every other field of medicine, infectious diseases is the only discipline to become progressively less and less effective over time. A commonly overlooked fact is that virtually all antibiotics in clinical use were discovered serendipitously with little foresight. As a result, we lack sufficient knowledge of what defines a good drug target and how to develop new antibiotics from it. We aim to address this deficiency by applying novel mass spectrometry-based metabolomics approaches to gain insight into the underlying biology of Mycobacterium tuberculosis, (ie, what makes TB TB) and its response to perturbation through the pharmacologically and diagnostically relevant level of metabolites.



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**Bruce R. Schackman, PhD**, is the Saul P. Steinberg Distinguished Professor of Healthcare Policy & Research at Weill Cornell. He received his PhD from Harvard University. He is also the Director of CHERISH – The Center for Health Economics of Treatment Interventions for Substance Use Disorder, HCV, and HIV. His current research includes economic evaluations of HIV and hepatitis C screening and treatment in substance use treatment settings, and economic evaluations of treatments for opioid use disorder. He has been involved for over 10 years in research and training on cost and cost-effectiveness evaluation and implementation science research in Haiti in collaboration with the GHESKIO Center and Weill Cornell Global Health faculty. He is currently collaborating on a study of community cohort care for HIV-infected adolescents in Haiti.



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**Dirk Schnappinger, PhD** received his PhD in Microbiology from the University of Erlangen, Germany. His global health expertise involves anti-bacterial drug development. His research group tries to facilitate drug development (i) by identifying new targets for the development of new drugs to treat Tuberculosis, and (ii) helping to identify the mechanism of action by which small molecules (including hit compounds of whole-cell screens) inhibit the growth of Mycobacterium tuberculosis. The institutions Dr. Schnappinger has collaborated with include: GlaxoSmithKline, NIAID, Harvard University, University of Massachusetts, Texas A&M, IDRI, Broad Institute, University of Minnesota, University of Cape Town (South Africa), Institute of Pharmacology and Structural Biology (Toulouse, France).



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**Joseph Shin, MD**, is a clinician-educator and advocate with expertise in health and human rights. He completed his training at NYU/Bellevue Medical Center, working closely with the Program for Survivors of Torture and Physicians for Human Rights. He currently serves as an Assistant Professor of Medicine in the Division of Hospital Medicine and the Medical Co-Director for the Weill Cornell Center for Human Rights where he conducts medical forensic evaluations for survivors of human rights abuses and torture. He also works closely with a broad coalition of medical, legal aid, social service and human rights organizations to improve the lives of populations vulnerable to human rights abuses such as refugees, asylees, survivors of torture, incarcerated populations in correctional facilities and immigration detention centers, and victims of human trafficking.



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**Matthew Simon, MD**, is an Assistant Professor of Medicine in the Division of Infectious Diseases and an Assistant Professor of Healthcare Policy and Research in the Division of Comparative Effectiveness and Outcomes Research. He is the Associate Hospital Epidemiologist and an Assistant Attending Physician at New York-Presbyterian Hospital/Weill Cornell Medical Center. Dr. Simon is board-certified in internal medicine and infectious diseases. His academic interests include clinical decision analysis and cost-effectiveness analysis of infectious disease problems.



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**Barry Smith, MD, PhD**, received his medical degree from Weill Cornell, PhD from MIT, and is now President and CEO of The Rogosin Institute and Professor of Clinical Surgery, has had a nearly forty-year history of global health work that has included the Problem Solving for Better Health<sup>®</sup> (PSBH<sup>®</sup>) health professional and community training program. The PSBH<sup>®</sup> program teaches the most basic principles of the scientific method with a particular emphasis on the involvement of community residents in determining and testing solutions to practical and pressing health problems. Today, PSBH is housed within the Center for Health Action and Policy (CHAP) of The Rogosin Institute, which is headed by Dr. Smith, and is closely affiliated with Weill Cornell Medical College and the New York Presbyterian Hospital healthcare system. CHAP (under the direction of Pamela Hoyt-Hudson, B.S., R.N.) is currently especially active in basic healthcare PSBH programs in China as well as Zambia and Kenya in Africa. If you are interested in learning more about these programs, or participating in research involved in them, please contact Dr. Barry Smith at 212-746-1551 or Pamela Hoyt-Hudson at 646-317-0417.



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**Selin Somersan-Karakaya, MD**, is an Assistant Professor of Medicine. Dr. Somersan-Karakaya received her M.D. from Harvard Medical School, Harvard-MIT Health Sciences and Technology Program. She completed her clinical training in Internal Medicine followed by Infectious Diseases at Weill Cornell Medical College. Her research focuses on understanding the host pathogen interactions of *Mycobacterium tuberculosis* (Mtb); a global pathogen that is the leading cause of death due to infection worldwide. The objective of Dr. Somersan-Karakaya's research is to improve our understanding of Mtb mechanisms so antibiotic mediated killing can be synergized with host mediated control of Mtb. A goal in her laboratory is to identify pathways that will lead to killing of non-replicating Mtb. Another mechanism Mtb developed to resist host defenses is by manipulating and resisting toxicity mediated by host sphingolipids. Recent work in Dr. Somersan-Karakaya's lab focuses on characterizing how Mtb interacts with host sphingolipids, and determining targets that can thwart Mtb's resistance to this minimally explored host immune defense pathway.



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**Grace Sun, MD** is an Assistant Professor of Ophthalmology at Weill Cornell Medicine and Assistant Attending Ophthalmologist at New York-Presbyterian Hospital/Weill Cornell Medicine and is the Director of the Ophthalmology Clinical Practice at Weill Cornell Medicine - Lower Manhattan at 156 William Street. Dr. Sun has a strong interest in global health. She served as a Peace Corps volunteer in Nicaragua from 1999-2001. She is a voluntary faculty ophthalmologist with ORBIS International, a non-profit organization whose mission is to eliminate avoidable blindness in developing countries. This has led her to numerous cities in China, as well as in Peru and in Kenya to teach about eye disease and cataract surgery, where not only her ophthalmic expertise is helpful but her language skills in Mandarin Chinese and Spanish have facilitated care. Currently, Dr. Sun is involved in establishing international clinical, teaching, and research collaborations in Tanzania with Bugando Medical College and the University of Dodoma. She recently received the Women in Ophthalmology Humanitarian Award in 2017 for her humanitarian efforts globally in Tanzania and locally in New York City.



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**Radhika Sundararajan, MD, PhD** received undergraduate and graduate degrees in Anthropology from SUNY Binghamton and the University of Pennsylvania, respectively. She earned an MD from New York University School of Medicine and completed her residency training at the Harvard-Affiliated Emergency Medicine Residency Program. During residency, she served as PI on studies investigating social and structural barriers to malaria control in endemic regions (India & Uganda). She is an Assistant Professor in the Department of Emergency Medicine, in addition to her affiliation with the Center for Global Health. Her research interests include HIV, malaria, and health behavior, and she has active global health projects in Uganda and Cameroon.



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**Art Sedrakyan MD, PhD**, is a Professor at Weill Cornell Medical College and is also leading US Food and Drug Administration's (FDA) Medical Device Epidemiology (MDEpiNet) Coordinating, Science and Infrastructure Center. At Cornell he also directs patient centered comparative outcomes research center projects. He is a trained CT surgeon and a graduate of Johns Hopkins University with PhD in Health Policy and Management. He was a lead adviser on interventions (including surgery), implantable devices and cardiovascular and orthopedic content areas. He is currently serving as a ranking member and was previously the Vice-Chair of Medicare Evidence Development & Coverage Advisory Committee. Dr. Sedrakyan is the Vice-Chair of the IDEAL initiative with special interest/leadership area in devices. Dr. Sedrakyan is the initiator (with FDA) and principal investigator of the FDA's International Consortium of Orthopedic Registries (ICOR), International Consortium of Cardiac Registries (ICCR) and International Consortium of Vascular Registries (ICVR) and national coordinated registry network (CRN) community of practice. These national and international initiatives aim to advance the infrastructure for regulatory science, surveillance and comparative effectiveness for medical devices and interventions via learning healthcare system. The registry and other big data such as claims have a potential to revolutionize the health services research and approach to quality and efficiency improvement in care.



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**Sheida Tabaie, MD** is a board-certified anesthesiologist with sub-specialty board certification in critical care medicine. Dr. Tabaie earned her M.D. at the University Of Pennsylvania School Of Medicine, and did her residency training and critical care fellowship at NewYork-Presbyterian/Weill Cornell Medical Center. Following her fellowship, Dr. Tabaie pursued further training in global health through the Department of Anesthesiology Global Health Fellowship at Weill Cornell. Currently, Dr. Tabaie works as both an anesthesiologist and an intensivist in the Cardiothoracic ICU at Weill Cornell. Dr. Tabaie is an active medical researcher and global health advocate who is committed to bringing insights of both research and modern clinical techniques to the developing world. She has participated in numerous research and educational trips in Botswana, Uganda, Tanzania and India.



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**Mary A. Vogler, MD**, is an Associate Professor of Clinical Medicine. Dr. Vogler trained in internal medicine at the University Of Connecticut School Of Medicine and in infectious diseases at New York University School of Medicine where she served on the faculty prior to coming to Weill Cornell in 2004. Dr. Vogler serves as an HIV/AIDS primary care provider in the Center for Special Studies both for HIV-infected adults and adolescents. She also participates actively as an investigator in the NIH-funded Cornell HIV/AIDS Clinical Trials Unit (CCTU). Her area of expertise is in the care of HIV-infected women, including pregnancy and prevention of mother-to-child transmission. She received the AIDS Clinical Trials Group (ACTG) Women's Health Investigator award in 2007. She has recently joined the NYP Antimicrobial Stewardship Program as a clinical representative



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**Kathleen Walsh, MD**, is a hospitalist certified in internal medicine. She is a General Medicine/Global Health Research Fellow at Weill Cornell. Her academic interests include research of the diagnosis and treatment of tuberculosis in resource-limited settings such as Haiti. She is also interested in medical resident education.



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**Steven Witkin, PhD**, has mentored research fellows from many countries, including Brazil, Greece, Israel, Italy, Japan, Turkey, Yemen. Their research involved genetic, immunological and infectious aspects of disorders affecting women including preterm birth and genital tract infections. Dr. Witkin is currently a Professor Emeritus in the Department of Obstetrics and Gynecology. He has maintained research collaborations with investigators in Sao Paulo, Brazil and is involved in several ongoing research projects: identification of variables that influence consequences of Zika virus infection in pregnant women, maternal and neonatal factors predictive of specific fetal neurological anomalies, relationships between the vaginal microbiome, metabolites in vaginal fluid and cervical alterations leading to preterm birth.



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## GLOBAL HEALTH RESEARCH OPPORTUNITIES

### First-Year Students (summer between MS1 & MS2) Community Health or Population Health Electives Application Process

1. Review the WCM International Project Database (<https://wcmglobalhealthprojectdatabase.weebly.com/>) to learn about opportunities abroad and to explore the global health projects previously undertaken by students. Projects are sorted by topic and geographic area.
2. During the Fall term students should begin to think about summer electives. It never is too early to begin to think about summer! By January, students should have a good idea if they want to take an international summer elective. All interested students should plan to speak with one of the Global Health faculty or directly with Dr. Madelon Finkel ([maf2011@med.cornell.edu](mailto:maf2011@med.cornell.edu)), Director of the Office of Global Health Education, to arrange a meeting to discuss elective opportunities. Students should have an idea of the region of the world where they would like to spend the summer and maybe even what they would like to focus on. Summer electives necessarily focus on population/community-based projects or existing clinical projects. No hands-on clinical projects are feasible in for 1st year students. Students are free to design their own 8-week elective, which must be discussed with your Global Health advisor and/or Dr. Madelon Finkel, Director of the Office of Global Health Education, prior to submission of the international electives application. **First year summer electives should be between 6-8 weeks in duration, preferably 8 weeks in duration.**
3. Once students have identified where they want to take an elective, what they plan to focus on, and have selected a Weill Cornell mentor for this elective, they should complete the [International Fellowship Application](#).
4. Complete the application and attached proposal and **email your completed application to Maritza Montalvo at [mmontalv@med.cornell.edu](mailto:mmontalv@med.cornell.edu).**
5. Please sign up for Work-Study funding at the Office of Financial Affairs. You will be paid by Financial Affairs. (See below)
6. After your application has been approved (you will be notified via email), please complete the International Elective Application Form (the “pink” form) which you can get from the Registrar’s office or download it here: [International Elective Form \(for Registrar\)](#) and circulate it for signatures—both your advisor and Dr. Finkel will sign this form, which will then be submitted to the Registrar’s office.
7. Please sign all required forms that will be sent to you upon approval. These must be sent to Maritza Montalvo prior to departure.

### **Guidelines for Receiving Financial Support**

1. Students will need to apply for work-study and should complete the related FAFSA forms before April 15, 2019. OGHE will cover the cost of round trip economy airfare to the host country if the student cannot secure work-study. Students not eligible for Work-Study should talk to Dr. Madelon Finkel for other funding options.
2. All students are required to prepare a Reflection (post-trip summary write up) and submit to Maritza Montalvo upon return.

### **Confirmation and Cancellation Policies**

Students who are notified of an approved international elective will then have 30 days from the date of approval notification to confirm or cancel the international elective. This must be done in writing to the Director of the Office of Global Health Education. If the student does not respond after 30 days he or she will be deemed to have declined the opportunity to take the elective and the elective will be made available to another student.

Once a student has confirmed his or her intent to accept the opportunity for an approved international elective, he or she is expected to keep that commitment. If a student believes that he or she needs to cancel an international elective, he or she must provide a written request with justification to the Director of the Office of Global Health Education. Compelling reasons for cancellation of a prior commitment to an international elective would include, but are not limited to, a personal illness or a major illness in a close family member (child, sibling, spouse, partner, or parent). Students who cancel the elective and are deemed to not have provided a compelling reason for their cancellation will be required to pay \$100 to cover the administrative costs incurred in preparing for that elective.

### **Fall International Poster Event**

All students who take a summer elective abroad are expected to prepare a Poster for display at an International Event usually held in October. This event helps the incoming first-year students to understand the types of summer electives that WCM students take.

For questions concerning the Global Health curriculum and activities, contact Katharine Grace (KG) Norris, the Global Health Teaching Associate, at [globalhealthTA@med.cornell.edu](mailto:globalhealthTA@med.cornell.edu) or Dr. Madelon Finkel, Director Office of Global Health Education, at [maf2011@med.cornell.edu](mailto:maf2011@med.cornell.edu).

### **First-Year Partner Programs**

The opportunities below represent a small selection of the summer programs offered by affiliated institutions and other organizations. Students also have the opportunity to identify summer research experience opportunities independent from the listed affiliated institutions. Please visit the WCM International Project Database for a full list of opportunities: <https://wcmglobalhealthprojectdatabase.weebly.com/>.

1. **Guatemala:** Saving Mothers/ Salvando Madres  
Independent program previous students have participated in.  
<http://www.savingmothers.org/guatemala>



2. **India:** Christian Medical College  
<https://www.vellorecmc.org/>  
 Public health/population studies elective for first-year students.
3. **Tanzania:** Kilimanjaro Christian Medical Collage (KCMC)  
<http://www.kcmc.ac.tz/>  
 Community health studies for first-year students.
4. **Tanzania:** Weill Bugando Medical College  
<https://touchfoundation.org/>  
 Clinical elective for fourth-year students only; community health studies for first-year students.
5. **WHO Internships**  
<http://www.who.int/careers/internships/en/>  
 Internships in a variety of areas open to first-year students.
6. **PAHO Internships** (Pan American Health Organization)  
<http://www.paho.org/hq/index.php?Itemid=4245>  
 Internships in a variety of areas open to first-year students.

### Global Health AOC Abroad Process

#### **Application Process**

If you want to do a Global Health AOC, we encourage you to reach out to faculty listed in this booklet to find a mentor in your area of interest. Many of the faculty listed above welcome students to engage with their work abroad. For questions about the AOC process, contact the AOC Coordinator Eliis Keidong at: [elk2028@med.cornell.edu](mailto:elk2028@med.cornell.edu) Contact Dr. Madelon Finkel ([maf2011@med.cornell.edu](mailto:maf2011@med.cornell.edu)) or Dr. Dan Fitzgerald ([dfitzgerald@gheskio.org](mailto:dfitzgerald@gheskio.org)) for further details about completing the Global Health AOC and for any questions about WCMC requirements.

#### **Timeline:**

- MS2: In November, declare AOC and mentor for Individual Scholarly Project
- MS3: In October, submit mentor approved Scholarly Project Proposal to AOC Program
- MS4: Submit final Scholarly Project Written Report

## Research Year (Between MS3 & MS4)

### **Application Process**

If considering taking a year off to conduct global health research, you must plan for this placement well in advance. Programs begin accepting applications in the fall for opportunities the following year. To learn more about Global Health Fellowships and volunteer opportunities, please visit this website:

<https://international.weill.cornell.edu/weill-cornell-students/taking-year-global-health-opportunities>

Once you have an idea of the type of program and geographic area you would like to go to, Contact Dr. Madelon Finkel (maf2011@med.cornell.edu) or Dr. Dan Fitzgerald (dfitzgerald@gheskio.org) for further details about taking a year-off to engage in global health activities and for any questions about WCMC requirements.

## Global Health Opportunities for Fourth-Year Students Clinical Electives

### Application Process

1. Review the WCM International Project Database (<https://wcmglobalhealthprojectdatabase.weebly.com/>) to learn about opportunities abroad and to explore the global health projects previously undertaken by other students. Projects are sorted by topic and geographic area.
2. Students seeking to take an international elective in the 4<sup>th</sup> year should carve out time in their fourth year schedule. Some electives are 4-weeks in duration while others are 6-week or 8-week in duration. Please check your schedule to see how many weeks you have for this experience.
3. During the spring term of the 3<sup>rd</sup> year, students should begin to think about where they would like to go and what type of elective they are interested in. Students should meet with members of the global health faculty or individually with Dr. Madelon Finkel ([maf2011@med.cornell.edu](mailto:maf2011@med.cornell.edu)), Director of the Office of Global Health Education, to arrange a meeting to discuss options and opportunities.
4. Students may choose from established electives with our partners around the world or design their own elective. Regardless, every student must identify a WCM mentor who will be responsible for signing off on the international elective. Those who take an elective at one of the partner sites do not need to obtain an email from the host mentor. Those who create their own elective must have the host mentor send an email stating that he/she agrees to serve as mentor during your time at the host institution.
5. Some of the 4<sup>th</sup> year electives have limitations in the number of students who can take the elective. Please see the listing on our website, which delineates the number of students who will be permitted to take the specific elective.
6. Applications will be accepted beginning in April of the 3<sup>rd</sup> year. Please discuss your options with Dr. Finkel prior to submitting an application. The partnership electives are based on a first-come, first-serve basis so it is helpful if students have a Plan B. We try very hard to make sure that every student

gets to take an elective in a country of his/her choosing. Very rarely is a student not able to get his or her first or second choice of elective.

7. Once the WCM global health mentor agrees to sign off on the elective, students should access the [International Fellowship Application](#)
  - a. Complete the application and attached proposal, including a write up of why you want to take this elective, what you hope to gain by the experience, what clinical department(s) you would like to be placed in. Further, include your Curriculum Vitae and letter of support from your WCM mentor. For those taking an independent elective, please include an email from the host mentor in which the individual states that he/she agrees to serve as your mentor during your time at the institution.
8. Email your completed application to Maritza Montalvo ([mmontalv@med.cornell.edu](mailto:mmontalv@med.cornell.edu)). If need be, feel free to contact her directly with questions concerning the application process.
9. After your application has been approved (you will be notified via email), please complete the International Elective Application Form (the “pink” form) which you can get from the Registrar’s office or download it here: [International Elective Form \(for Registrar\)](#) and circulate it for signatures—both your advisor and Dr. Finkel will sign this form, and then submit it to the Registrar’s office.
10. Please sign all required forms that will be sent to you upon approval. These must be sent to Maritza Montalvo prior to departure.

### **Financial Reimbursement**

Global Health donors have generously provided Fellowships to help defray the costs of taking an international elective. Students will receive \$2,500 to be used to cover travel costs (e.g., costs of travel, accommodations and other travel-related expenses). Upon return, in order to receive travel reimbursement, please provide Maritza Montalvo ([mmontalv@med.cornell.edu](mailto:mmontalv@med.cornell.edu)) with your travel receipts (proof of purchase of airline tickets), travel itinerary, and a signed Payment Request Form. Students are required to prepare a short reflection piece prior to receiving travel reimbursement. This write-up is to be submitted to Maritza Montalvo upon return to WCM.

### **Confirmation and Cancellation Policies**

Students who are notified of an approved international elective will then have 30 days from the date of approval notification to confirm or cancel the international elective. This must be done in writing to the Director of the Office of Global Health Education. If the student does not respond after 30 days he or she will be deemed to have declined the opportunity to take the elective and the elective will be made available to another student.

Once a student has confirmed his or her intent to accept the opportunity for an approved international elective, he or she is expected to keep that commitment. If a student believes that he or she needs to cancel an international elective, he or she must provide a written request with justification to the Director of the Office of Global Health Education. Compelling reasons for cancellation of a prior commitment to an international elective would include, but are not limited to, a personal illness or a major illness in a close family member (child, sibling, spouse, partner, or parent). Students who cancel the elective and are deemed to not have

provided a compelling reason for their cancellation will be required to pay \$100 to cover the administrative costs incurred in preparing for that elective.

### **Spring International Poster Event**

All students who take a 4<sup>th</sup> year elective abroad are expected to prepare a Poster for display at an International Event held in May. This event is designed to thank our generous donors as well as to honor the students who took an international elective.

For questions concerning the Global Health curriculum and activities, contact Katharine-Grace (KG) Norris, the Global Health Teaching Associate, at [globalhealthTA@med.cornell.edu](mailto:globalhealthTA@med.cornell.edu) or Dr. Madelon Finkel, Director Office of Global Health Education at [maf2011@med.cornell.edu](mailto:maf2011@med.cornell.edu).

## FOURTH-YEAR CLINICAL & RESEARCH ELECTIVE PARTNERS

### AFRICA

#### **Tanzania:**

*Kilimanjaro Christian Medical College (KCMC)*

This six-week clinical elective is for fourth-year students only. Students must first complete the OGHE application stating reasons why they want this elective and what they hope to gain by the experience. Once approved, Dr. Mtui arranges the elective with physicians at KCMC directly for the student. No host mentor letter required because Dr. Mtui handles the scheduling of the elective with KCMC physicians directly. Dr. Mtui is the WCM mentor.



Elliot Brea with Kilimanjaro Christian Medical College mentors, Tanzania

*Weill Bugando Medical College*

This six-week clinical elective is for fourth-year students only. Students must first meet with Dr. Fitzgerald to discuss reasons why they want this elective and what they hope to gain by the experience. Students then complete the OGHE application for approval. Once approved, Dr. Fitzgerald coordinates the elective with physicians at Weill Bugando or asks Dr. Robert Peck who is based in Mwanza to assume this task. No host mentor letter required because of the arrangement we have with Weill Bugando. Dr. Fitzgerald is the WCM mentor.

#### **Ghana:**

*Noguchi Memorial Institute for Medical Research (1-2 students per year)*

Contact: Madelon Finkel, PhD maf2011@med.cornell.edu



Richmond Woodward, Weill-Bugando, Tanzania

### ASIA

#### **Bhutan-Thailand:**

*Khesar Gyalpo University of Medical Sciences in Thimphu, Bhutan (for four weeks) & Chulalongkorn University Medical College in Bangkok, Thailand (two weeks).* The Bhutan Foundation, in collaboration with Khesar Gyalpo University, arranges the elective placement in Thimphu. Dr. Finkel serves as the liaison with the Bhutanese. Dr. TJ serves as the WCM faculty mentor for the Thailand part of this elective.

*Chulalongkorn University*

This six-week clinical elective is for fourth-year students only. Students must first complete the OGHE application stating reasons why they want this elective and what they hope to gain by the experience. Once approved, Dr. TJ introduces the student(s) to the International Coordinator at Chulalongkorn who then schedules the elective for the student. The student and the International Coordinator work together to schedule placement at one of the Chulalongkorn's teaching hospitals in Bangkok. No host mentor letter is required because the International Office at Chulalongkorn handles the scheduling of the elective with Chulalongkorn physicians directly. Dr. TJ is the WCM mentor.



Simone Elder, Chulalongkorn University Bangkok, Thailand

**China:**

*Xiangya School of Medicine, Changsha Hunan.*

Contact: Dr. Yuan Shan Zhu at yuz2022@med.cornell.edu for further information.

Clinical opportunity available for only fourth year students. No language requirement, although Mandarin is a plus.



Eric Kutscher, Christian Medical College, India

**India:**

*Christian Medical College*

One student is selected to do a four-week elective and all other students who wish to take this elective spend six weeks at CMC Vellore. All students must first complete the OGHE application stating reasons why they want this elective and what they hope to gain from the experience. After the International Committee provides approval, Dr. Finkel introduces the student(s) to the administrator at the CMC Vellore Foundation located in New York City who then coordinates the elective set up for the student with faculty at CMC Vellore. No host mentor letter is required because the CMC Vellore Foundation handles the scheduling of the elective with CMC Vellore physicians directly. Dr. Finkel is the WCM mentor.



Samrawit Abraha, Christian Medical College, India

**AUSTRALIA**

**Australia:**

*University of Sydney Medical School*

Students must first complete the OGHE application stating reasons why they want this elective and what they hope to gain from the experience. The student will be placed at one of the University of Sydney Medical School's teaching hospitals in Sydney and will spend one week at the hospital in Broken Hill. No host mentor letter is required because the International Office at the University of Sydney sets up the elective in collaboration with the student. Dr. Finkel is the WCM mentor and coordinates with the U Sydney international office staff.



Jacqueline Parker, University of Sydney Medical School, Australia

**EUROPE**

**Austria:**

*Max Kade Program in Vienna*

This four-week clinical elective is for fourth-year students only. Students must first complete the OGHE application stating reasons why they want this elective and what they hope to gain by the experience. After the international committee provides approval, the second step is to apply to the Max Kade program directly through this form. The American Austrian Foundation and the Max Kade Clinical Elective program provide a travel stipend and pocket money, as well as accommodations during a one-month rotation in Austria. A working knowledge of German is helpful but not a requirement. No host mentor letter is required because the Max Kade Foundation sets up the elective in collaboration with the student. Dr. Finkel is the WCM faculty mentor and coordinates with the Max Kade staff.

**France:**

*American Hospital in Paris*

Contact: Madelon L. Finkel, PhD at maf2011@med.cornell.edu  
Clinical elective as well as study of the French health care system for fourth-year students. This four-week clinical elective is for fourth-year students only. Students must first complete the OGHE application stating reasons why they want this elective and what they hope to gain by the experience. After the international committee provides approval, Dr. Finkel provides the names of the student(s) to the administrator of the American Hospital in Paris Foundation (located in New York City) who then matches the student with an appropriate mentor at the hospital in Paris. Proficiency in French is a plus. No host mentor letter is required because the AHP Foundation sets up the elective in collaboration with the student. Dr. Finkel is the WCM faculty mentor and coordinates with the AHP Foundation.



Solomon Husain, University of Sydney Medical School, Australia

**Hungary:**

*The Medical University of Pécs*

Contact: Madelon Finkel, PhD at maf2011@med.cornell.edu The University of Pécs is the first university in Hungary (dating from 1367) and one of the major higher education institutes of the country with 10 faculties, 32 clinics and a winery research facility. Hungarian, English and German programs are used in education. In 1951 the Medical School became a separate, independent institution under the name of the Medical University of Pécs. The City of Pecs, the fifth largest city of Hungary, is located in the south-west of the country, close to its border with Croatia. Six-week clinical electives are available in all sub-specialties for fourth year students.



David C., American Hospital in Paris, France

**Turkey:**

*Hacettepe Medical School, Ankara*

Clinical electives for fourth year students only. Contact: Madelon Finkel, PhD at maf2011@med.cornell.edu

**Sweden:**

*Karolinska Institute*

<https://ki.se/en/startpage> Clinical electives for fourth-year students. Contact: Madelon Finkel, PhD at maf2011@med.cornell.edu

**United States-European Union Medical Exchange Program (US-EU):**

Students must first meet with Dr. Oliver Fein to discuss reasons why they want this elective and what they hope to gain by the experience. Students then complete the OGHE application for approval. Once approved, Dr. Finkel introduces the student to the International Coordinator at the respective medical college to begin the process of scheduling the elective. No host mentor letter required because of the arrangement we have with the US-EU partners. Dr. Fein is the WCM mentor for the program except for the Glasgow elective. Dr. TJ is the WCM mentor for this Pediatric only elective.

**Placements for this program include:**

**England:** *London: Kings College* [www.kcl.ac.uk/medicine](http://www.kcl.ac.uk/medicine). Additional information for applying to Kings College



Bem Atim, USEU Germany

**Germany:** Munich: Ludwig Maximilians University [www.en.uni-muenchen.de](http://www.en.uni-muenchen.de)

**Scotland:** University of Edinburg [www.ed.ac.uk/](http://www.ed.ac.uk/) & Royal Hospital for Sick Children, Glasgow

Contact: Thanakorn Jirasevijinda, M.D.  
at [thj2002@med.cornell.edu](mailto:thj2002@med.cornell.edu)

<http://www.nhsggc.org.uk/locations/hospitals/royal-hospital-for-children-glasgow/>

**Spain:** Universidad Francisco de Vitoria <http://www.ufv.es>



Ali Berman, Glasgow Royal Hospital for Children

## CENTRAL & SOUTH AMERICA

### **Brazil:**

*University of São Paulo*

<http://www.usp.br> Clinical elective for fourth-year students only.

Contact: Madelon L. Finkel, PhD at [maf2011@med.cornell.edu](mailto:maf2011@med.cornell.edu)

*Faculdade de Medicina da Universidade de São Paulo*

Contact: Madelon L. Finkel, PhD at [maf2011@med.cornell.edu](mailto:maf2011@med.cornell.edu)

<http://www.fm.usp.br/>

Opportunities for clinical electives at the University of Sao Paulo, with a particular focus on women's health/gynecology. Opportunities for lab research in genital infections as well.

### **Costa Rica:**

*San Vito*

Contact: Madelon Finkel, PhD [maf2011@med.cornell.edu](mailto:maf2011@med.cornell.edu) for further information. This six-week clinical elective in rural Costa Rica is for fourth-year students only. Proficiency in Spanish is required. Students must first complete the OGHE application stating reasons why they want this elective and what they hope to gain through the experience. The purpose of the program is to expose medical students to the healthcare delivery model of San Vito County and to facilitate learning about tropical diseases in the context of a developing country with a focus on primary care medicine. Students will learn the intricacies of coordinating health activities within a healthcare system that covers a diverse population of Costa Rican and Panamanian agricultural workers. This elective places students in local clinics and the ER in San Vito Hospital as well as home visits. Students stay at the home of Dr. Pablo Ortiz, the host mentor. Dr. Ortiz offers this opportunity to many other US medical schools. No host mentor letter is required because Dr. Finkel arranges the elective with Dr. Ortiz directly and makes the introduction of the student to Dr. Ortiz after the International Committee approves the application. Dr. Finkel is the WCM mentor.



Community Center, Costa Rica

### **Guatemala:**

Saving Mothers/ Salvando Madres

Independent program that multiple students have participated in

<http://www.savingmothers.org/guatemala>



Sasha Hernandez, Guatemala



**Peru:**

*La Facultad de Medicina, San Marcos Medical School*

Contact: Madelon Finkel, Ph.D.

Clinical elective for fourth-year students only.



Amelia Kell, Lima, Peru

## GLOBAL HEALTH CURRICULUM COMPONENTS

### Course Work

#### **Global Health Preceptorship (Fall/Spring)**

Through the Essential Principles /Health Illness Disease course, each student is required to work with a clinician preceptor– first in the fall and again in the late spring – to learn patient interviewing skills. Students who choose to be placed with a Global Health Preceptor will be paired, at least once, with clinicians working with underserved and/or diverse populations (e.g., The Center for Special Studies [CSS], which treats HIV patients; clinics/offices in the South Bronx [Lincoln Hospital], Queens, Long Island City, Brooklyn and Chinatown; etc.). Global Health Preceptors are aware of the challenges inherent in global health and are open to sharing their expertise with students. An informational email will be sent out in September for interested students to sign-up.

#### **Intro to Global Health (Spring)**

Introduction to Global health is a 10-week student/ faculty-designed elective that introduces students to key topics in global health through weekly seminars. Introduction to Global Course faculty are drawn from WCMC and NYC institutions, and they have extensive field and research experience in global health. Topics include: Pandemics and Epidemics, Behavior Change, Health Systems, Complex Humanitarian Emergencies, Noncommunicable Diseases, Gun Violence, Implementation Science, and Medical Anthropology. *The course is designed as an elective for first-year medical students, but is open to others.*

#### **Foundations in Global Service (Spring)**

Dr. Finkel and Dr. Golightly will address the obstacles of executing projects in resource-poor environments, provide tools for achieving project goals, and focus on travel safety tips. The sessions will also introduce you to the ethical considerations of medical service and clinical care in resource-poor settings. This program achieves its objectives through two sessions, each two hours in duration.

### **Seminars & Events**

#### **GH Grand Rounds**

Global Health Grand Rounds is a lecture series that serves as a platform for dialogue and debate on contemporary global health challenges. Grand Rounds speakers have included Thomas F. Burke, MD, FACEP,

FRSM, Chief of the Division of Global Health and Human Rights at Massachusetts General Hospital, who spoke about innovating for health transformation in resource limited settings and *New York Times* Health reporter, Donald McNeil.

### **GH Journal Club**

The Global Health Journal Club is a student initiative designed to offer students an opportunity to discuss global health topics. Once a month, students meet to review a basic science article as well as an article detailing the clinical implementation of the research done in the laboratory. Through short student presentations, key concepts are reviewed and discussed by the group. The remainder of the time is dedicated to a conversation regarding how the research and the clinical implementation integrate global health paradigms. Ultimately, the journal club not only serves the purpose of educating students on that month's topic, but also shows the diverse ways in which it is possible to carry out global health work in any field of science or medicine. Some topics include: Global Mental Health, Climate Change, Gun Violence, Cancer, HIV/AIDS, Low Cost Technology Development, and Maternal and Child Health.

### **GH Career Chats**

Throughout the academic year, the Office of Global Health Education hosts Career Seminars. These roundtable discussions held over dinner enable interested students to meet physicians who have incorporated global health into their careers. Dustin Donley, MD, Class of 2010, led the first seminar of the 2017-2018 academic year. He discussed his time working as an instructor of surgery at Malamulo Mission Hospital in rural Malawi. His work focused on increasing the availability of safe surgery to populations without access to physician surgeon providers. Other speakers have included Dr. Adam Schwartz, a Program Manager at BRAC interested in strengthening primary care systems in developing countries and Dr. Onyinye Balogun who focuses on improving the delivery of radiation therapy in low and middle income countries.

### **Student Research Panel**

Students returning from their summer experiences abroad will create posters about their research. Each student present their posters at the Student research panel to faculty, staff and medical students.

### **International Receptions**

The International Receptions are a celebration of all the global health work medical students have completed abroad. The Fall reception celebrates students who spent the summer abroad while in the Spring it is an opportunity for medical students who went abroad for 4<sup>th</sup> year clinical or research electives to present their work. Students will create posters detailing their experiences, and present to faculty, staff and students.

### **Emory GH Case Competition**

The Emory Global Health Case Competition is a unique opportunity for Cornell graduate and undergraduate students from multiple schools and disciplines to come together to promote awareness of and develop innovative solutions for 21st century global health issues. In March, a 6-member team comprised of 3 students from WCM and 3 undergrads from Cornell will travel to Atlanta to compete. There are cash prizes for the top 5 teams out of 24, and two years ago, the Cornell team won first place! Travel expenses and all other costs are covered by WCM.

# CERTIFICATE IN GLOBAL HEALTH

## Certificate in Global Health

The purpose of the Certificate in Global Health is to recognize students who have dedicated significant hours to the field of global health through meaningful engagement with the global health program curriculum throughout medical school. This certificate is awarded upon graduation to any student who has met the requirements.

### Requirements:

#### **1. Choose a Research Experience Abroad:**

- a. Global Health Scholarly Project Abroad
- b. Year Off to Complete Global Health Research
- c. Global Health International Summer Research Experience
- d. 4<sup>th</sup> Year Clinical or Research Elective Abroad

#### **2. Participate in Global Health On-Campus Programming:**

In addition to research experience abroad, students are expected to participate in Office of Global Health Education on-campus programming. In order to qualify as certificate candidate:

- a. During their first year, students must participate in at least one of the following Global Health Programs:
  - i. Introduction to Global Health Course,
  - ii. Global Health Collective,
  - iii. Global Health Case Competition,
  - iv. Global Health Preceptorship,

#### **3. Students are Highly Encouraged to Attend:**

- a. Global Health Career Seminars,
- b. Global Health Grand Rounds
- c. Global Health Journal Clubs,

Please reach out to the Global Health Teaching Associate ([globalhealthta@med.cornell.edu](mailto:globalhealthta@med.cornell.edu)) with any further inquiries.

## STUDENT ORGANIZATIONS

### **Global Health Collective**

The Global Health Collective serves two purposes with the first focus being on the support of the Global Health Curriculum. The Global Health Curriculum launched in 2009 as a student-driven combination of supplementary elective courses, fieldwork, and experiential learning. With the engagement of faculty, staff, and students, the curriculum is now an official Area of Concentration and certificate granting program. The Global Health Curriculum provides opportunities for students to engage with resource-poor communities, internationally and domestically, as well as opportunities for students to discuss current topics in global health with leaders from many disciplines. The second focus is that the Global Health Collective gathers students together to discuss current global health events, participate in journal clubs, and organize citywide conferences. Students are encouraged to participate in any and all aspects and to take a leadership role on the Student Board. More information on the curriculum can be found [here](#).

### **Cornell Water Society**

The Cornell Water Society is a student-run organization dedicated to public health outreach via the installation and promotion of clean water solutions in underserved communities in the U.S. and abroad. Our current flagship project, MAJI KWA AFYA ("Water for Health"), is a collaborative effort between current Weill Cornell Medicine students, the ASMK foundation of Shinyanga, W.S. Darley & Company, H2OpenDoors, and Rotary International to bring clean, reliable, and affordable drinking water to the people of the Busiya chiefdom in the Shinyanga region of western Tanzania. Our goal is to ensure sustainability of this and future projects through continued participation from Weill Cornell students, ensuring long-lasting safe drinking water for those who need it most.

### **Future of Care**

The Future of Care: WCM Chapter is a student group interested in the development of new methods and technologies in order to improve healthcare and clinical practice. Our goals include (1) educating students and clinicians about technologies relevant to medical practice, (2) fostering technology entrepreneurship at Weill Cornell, (3) creating collaborations between inventors and clinicians within Weill Cornell and the greater NYC community. In conjunction with Future of Care NYC, we achieve these aims through hosting public conferences, skill workshops, and seminars.

### **Infectious Disease Interest Group**

The main goals of IDIG are to provide information about careers in infectious diseases, present infectious disease talks/discussions, and facilitate interaction between WCMC students and infectious disease services at NYPH, MSK and HSS. We'd like for the group to be of interest for students pursuing any field. For this reason, we're planning to have talks/discussions of broad interest (eg. intersections between infectious diseases and psychiatry, surgery, etc.). Finally, we're considering the feasibility of community service projects, such as vaccination awareness/myth buster events etc