



GLOBAL HEALTH
AT YALE SCHOOL OF MEDICINE
2018-19 THIRTEENTH EDITION

Global Health
At Yale School of Medicine

2018-19
Thirteenth Edition

Editors:

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INTRODUCTION

Getting Involved in Global Health at Yale

We have created this guide to help you navigate global health opportunities at Yale School of Medicine and across the university.

A helpful place to start is the Office of International Medical Student Education (OIMSE). The office was established in 2006 to facilitate opportunities for medical students to experience medicine as it is practiced throughout the world and to enrich the learning environment at YSM by providing opportunities for students from international schools to come to Yale for clinical electives. Dr. Robert Rohrbaugh, faculty director for the Office of International Medical Student Education, was a Downs Fellow at YSM and has developed and administered both undergraduate and graduate medical education programs.

Students with questions about international opportunities are encouraged to reach out to Anne Kellett, Director of the Office of International Medical Student Education at Anne.Kellett@yale.edu or Administrative Assistant, Nickia Corley at Nickia.Corley@yale.edu .

We would like to thank the faculty and staff who have agreed to be included in and those who contributed to, this guide. If you find new organizations, classes, faculty, funding sources, clinical opportunities, etc. that you think should be included in the next edition, or if you find any errors, please send them to Anne.Kellett@yale.edu. Thanks and good luck!

September 2018

Anne, Nickia and Bob

IN THE CLASSROOM: COURSES

Global Health Seminar (EPH 591 01) Fall 2018

The **Global Health Seminar** is a weekly course for students in the health professional schools **to be exposed to key issues upon which they may base future research, service, and clinical pursuits in the field of global health.** The course features faculty from across the health professional schools and other global health experts from around the world. Its collaborative nature provides a rich environment for interdisciplinary dialogue. The objectives of the course are for students to:

- gain exposure to current global health challenges taking into consideration a variety of perspectives;
- engage in meaningful discussions with health professionals working in medicine, nursing, and public health along with invited speakers and Yale faculty; and
- cultivate relationships with Yale faculty, outside experts, and students resulting in potential research/fellowship opportunities.

The **Global Health Seminar** is a requirement for students in the Global Health Concentration at the Yale School of Public Health (YSPH) and for students in the Certificate in Global Medicine at the Yale School of Medicine (YSM). Students from YSPH must take the course in their first year. In addition to faculty advisors from the School of Medicine, Nursing, Public Health and Physician Associate Program, a program manager from YSPH supports the course.

Class Participation and Reading

Before each session, 1 - 2 readings and reflection questions will be posted. Students are required to study the readings and come prepared with reactions (*not written*) to the reflection questions. For additional background, students can use Richard Skolnik's "*Essentials of Global Health*," as supplemental reading. Students are encouraged to articulate other questions and ideas for class discussion. The success of each session is dependent upon active participation and we will observe a no laptop policy during the class.

Lecture Day/Time **Thursday, 5:00 – 6:20**
Location **47 College Street, Room 106A**

Faculty Director & Advisors

Michael Skonieczny, Lecturer in Public Health; Deputy Director, Yale Institute for Global Health (michael.skonieczny@yale.edu)

Rosana Gonzalez-Colaso, Assistant Professor in the Physician Associate Program; Faculty at Equity Research and Innovative Center (ERIC)
(rosana.gonzalez-colaso@yale.edu)

Tracy Rabin, Assistant Professor of Medicine (General Medicine); Assistant Director, Office of Global Health (Department of Internal Medicine); Associate Program Director for Global and Community Health, Yale Primary Care Internal Medicine Residency Program (tracy.rabin@yale.edu)

Patricia Ryan-Krause, Associate Professor of Nursing and Clinical Coordinator at the Center for International Nursing Scholarship and Education (patricia.ryan-krause@yale.edu)

Sheela Shenoi, Assistant Professor of Medicine (AIDS); Assistant Professor (sheela.sheno@yale.edu)

Program Coordinator

Anjuli Bodyk, Program Manager, Global Health Concentration at YSPH (anjuli.bodyk@yale.edu)

FALL 2018 SCHEDULE (Titles of talks to be confirmed)

- 8/30 **Advocacy and U.S. Global Health Policy****
Michael Skonieczny, Deputy Director, Yale Institute for Global Health;
Lecturer in Public Health (Health Policy)
- 9/6** Luke Davis, Associate Professor of Epidemiology (Microbial Diseases);
Associate Professor of Medicine (Pulmonary, Critical Care, and Sleep
Medicine)
- 9/13** Michelle Telfer, Clinical Instructor in Obstetrics, Gynecology, and
Reproductive Sciences; Clinical Faculty and Lecturer, Nurse-Midwifery
and Women's Health Specialty, and
Rachel Zaslow, Executive Director, Mother Health International
- ***Class will be in the Hope Building, Room 110***
- 9/20** Anjelica Gonzalez, Donna L. Dubinsky Associate Professor of
Biomedical Engineering
- 9/27** E. Anne Peterson, Senior Vice President Programs, Americares
- 10/4** Onyema Ogbuagu, Assistant Professor of Medicine (AIDS), and
Kristina Talbert Slagle, Assistant Professor; Lecturer, Epidemiology of
Microbial Diseases; Director Global Health Studies, Yale College
(possible)
- ***Global Health Opportunities Fair held after class***
- 10/11** Sunil Parikh, Associate Professor of Epidemiology (Microbial Diseases)
and of Medicine (Infectious Diseases)
- 10/25** Sangini Sheth, Assistant Professor of Obstetrics, Gynecology, and
Reproductive Sciences; Associate Medical Director & Director of
Colposcopy and Cervical Dysplasia, Women's Center, Yale New Haven
Hospital
- 11/1** Katherine Bond, Vice President, International Regulatory Affairs, U.S.
Pharmacopeia (USP)
- 11/8** Sarah Christie, Program Manager, Global Health Leadership Initiative
(GHLI)
- 11/15** Representative from Resolve to Save Lives

11/29 Sheela Shenoi, Assistant Professor of Medicine (AIDS)

12/6 Hannah Strohmeier, Visiting Assistant in Research, Department of Anthropology; PhD Candidate, Institute for Global Health and Development, Queen Margaret University, Edinburgh; Independent Consultant, United Nations

Topics in Global Medicine (GH701)

Tentatively running Spring/Summer 2019

Description

Topics in Global Medicine is a case-based seminar that provides participants with a broad knowledge base in current globally important health issues. Each session focuses on a specific health concern and aims to integrate issues concerning epidemiology and prevention along with diagnosis and treatment in a case-based format and clinically relevant fashion. The specifics of medical management are not the priority for this course. Importantly, the course provides a forum for interactive discussions of the health issues that pose unique challenges in resource-limited settings.

The course faculty include a diverse selection of Yale faculty from the Schools of Medicine, Nursing and Public Health and expose students to their personal stories and career trajectories.

The sessions are collaborative – the faculty person is paired with two students and the team works together to research and present the topic. The topic for each session is chosen in advance by the session's faculty speaker. However, the specific content and themes are chosen by the team as guided by their areas of interest.

Objectives

Upon completion of this course, the student will be able to:

1. Appreciate the spectrum of clinical diseases, both communicable and non-communicable, affecting persons in resource-limited settings.
2. Identify the major principles and challenges of providing medical care in resource-limited settings.
3. Broadly outline methods of diagnosis, prevention, and treatment for diseases encountered in resource-limited settings.
4. Appreciate the importance of public health interventions in dealing with global health issues.
5. Have the opportunity to collaborate with a faculty member on the presentation of a topic of interest

Participation

Topics in Global Medicine is designed for students in all of the health professions programs, specifically physician associate (PA), nursing (YSN), medicine (YSM), and students in epidemiology and public health (YSPH) who have an interest in the clinical aspects of global health. The course is open to all members of the Yale community. Active participation in the course is expected, whether by way of presenting a topic in collaboration with the faculty member or actively participating in the small group discussions.

Student Presenters

Students interested in presenting one of the sessions will be asked to rank their top three desired sessions. First, a list of presenters will be made via randomly selecting names of interested students. Second, each of these selected students will sequentially be assigned a session based on availability of their rank listed options.

Global Mental Health Program

Offered by: Yale Department of Psychiatry

The Yale Global Mental Health Program consists of faculty mentorship, resident and medical student projects, the Global Mental Health Elective, and other events.

The Global Mental Health Elective is a monthly curriculum consisting of renowned guest speakers, psychiatry faculty and staff presentations of their global mental health projects, resident and medical student presentations of on-going projects, and journal or multi-media presentations by residents with faculty discussion. The elective is conducted in an informal and social setting geared for trainees at all levels, providing program participants and the broader Yale community with opportunities to get to learn more about global mental health. The elective also allows colleagues with similar professional interests to learn about the variety of global mental health activities within the Department of Psychiatry and elsewhere. The elective promotes networking, idea sharing, and information about possible future projects. The elective runs October through June.

Goals of the Global Mental Health Program

- Global Mental Health Awareness - To promote awareness of issues of global mental health and social disparities.
- Practical Implementation in Clinical Settings - To develop practice tools to address these issues both at home and abroad.
- Underserved Access to Care - To promote interest in working with underserved populations within and outside the United States that are in need of mental health services.
- Cross Cultural Psychiatry in Practice - To expand the knowledge of cross cultural psychiatry and provide ways for residents to incorporate that knowledge into their clinical practice of psychiatry
- Networking - To develop within and external to the department of psychiatry a network of individuals with common interests in global mental health from which collaborative ideas and projects can spring.

Objectives of the Global Mental Health Program

- Partner with current electives and clinical placements where the program goals can be met
- Develop new global health didactic and clinical electives and selectives
- Identify faculty with global mental health interests who could help mentor residents and fellows on clinical elective and scholarly projects
- Develop international sites for possible bidirectional exchanges of faculty, residents/fellows and medical students
- Consult with clinical and didactic curriculum leaders to develop new opportunities to meet global mental health goals within the existing curriculum
- Provide guidance for residents/fellows interested in global mental health during training

- Identify and develop funding for international or GMH-related clinical electives and scholarly projects

Education Program Components

The Global Mental Health Program (GMHP) exists to supplement and support the existing didactic and clinical curriculum of the residency program. Residents/fellows interested in doing GMH related education can do so during elective times and during selective experiences. The Global Mental Health Elective experiences will be open to all residents/fellows in the program and to others in the medical school and university.

The major component of the Global Mental Health Program is the Global Mental Health Elective. The elective meets once per month and consists of multi-disciplinary presentations on global mental health projects or issues, including journal club presentations by residents/fellows with faculty discussion and resident/fellow scholarly work. The elective is conducted in an informal setting geared for trainees at all levels, providing program participants opportunities to become familiar with colleagues with similar professional interests and to learn about the variety of global mental health activities within the department and elsewhere. It is designed to promote networking, idea sharing, and information about possible future projects.

For more information about the program, please contact program Director and Co-Directors, Drs. Jordan, Annamalai, and Silva at the emails listed below, respectively.

Ayana.jordan@yale.edu

Aniyizhai.annamalai@yale.edu

Michelle.silva@yale.edu

Global Health Courses at Yale

Yale offers a range of global health courses for undergraduate, graduate and professional students across campus. For more information, please see <http://students.yale.edu/oci/search.jsp> or <http://globalhealth.yale.edu/> .

Current Global Health courses include offerings from the School of Public Health, School of Medicine, the Law School, School of Forestry and Environmental Science, Graduate School and Yale College. Courses range in topics from Global Aspects of Food and Nutrition, to Global HIV/AIDS: Challenges and Response, to Global Health Economics.

CERTIFICATE IN GLOBAL MEDICINE

The Certificate in Global Medicine is awarded upon graduation to students who demonstrate competence in Global Health and provides recognition that a student has completed required didactic coursework, scholarly work, international clinical experience, and language, culture, and leadership activities relevant to Global Health. This Certificate allows students to develop expertise and prepare students for leadership in Global Health by providing the knowledge, skills, and attitude essential for success in this field.

In addition to directly benefitting students at Yale, this program will establish the Yale School of Medicine as a model for excellence in global health education. Requirements for earning the certificate can be completed over four or five years, while maintaining flexibility in terms of both the timing and content of these opportunities.

It is expected that students pursuing the Certificate will engage with the community of practitioners and scholars working on Global Health at Yale and around the world. International field experience in Global Health is an integral part of the program.

How do I learn the Certificate?

To earn the Certificate, students must **declare** their participation by completing the application located at the following link no later than **June 30th of their first year**: <https://medicine.yale.edu/education/gho/certificate.aspx> .

Students must **complete** the following requirements, while maintaining a Global Health Portfolio (containing documentation of coursework and reflection papers of experiences) **to be turned in by February 1st, of the graduating year**.

REQUIREMENT 1: Global Health Coursework

Complete the following coursework requirements.

(visit <https://medicine.yale.edu/education/gho/certificate.aspx> for details)

1. Global Health Seminar (recommended, 1st year).
2. An elective course related to global health offered at Yale. Possible courses include: Topics in Global Medicine Elective, Global Mental Health Elective, U.S. Health Justice Course, Medical Anthropology, etc.
3. Medical Microbiology
4. Non-Communicable Diseases
5. Epidemiology and Public Health

REQUIREMENT 2: Scholarly Work

Conduct basic science or clinical research that focuses on an important topic in global health.

REQUIREMENT 3: International Clinical Experience

Participate in at least one international or domestic **clinical** experience during the 4th or 5th year. It is preferred that the elective be at one of the sites offered through the Office of International Medical Student Education (OIMSE), however, OIMSE will consider a non-affiliated site with prior approval.

REQUIREMENT 4: Language/Culture Appreciation

Demonstrate appreciation for the language/culture of a non-English-speaking population by completing **one** of the following:

- a. Conducting research or providing healthcare services in a language other than English.
- b. Appropriately utilizing a translator in a healthcare interaction in an international setting as a part of your International Clinical Elective or Scholarly Work.
- c. If your international work involves an English-speaking population, reflect on your experience with the population's customs and culture.

REQUIREMENT 5: Global Health Leadership

Serve for 1 academic year as a leader in a global health organization, or global health activity, that directly addresses global health issues internationally or locally, for example, a Global Health Advocate for your class, helping to lead one of the global health electives, serving as the Global Health Student Coordinator for OIMSE, etc.

REQUIREMENT 6: Connecting Your Global Health Experiences to New Haven

Students are asked to provide a five page essay on how global health principles have been important in their work with patients in New Haven.

For more details on the requirements, please visit:

<https://medicine.yale.edu/education/gho/certificate.aspx> or contact a staff member in the Office of International Medical Student Education for questions, global.health@yale.edu (203-737-5019).

AT THE UNIVERSITY: LECTURE SERIES AND CONFERENCES

There are many opportunities to hear talks on global health related issues, both on the medical campus and elsewhere at the University. Following are a few suggestions.

Lecture Series

“Yale AIDS Colloquium series (YACS)”

These seminars host a series of distinguished visitors to Yale that are conducting HIV/AIDS research in an international setting. Most discussions are followed by an informal, question-and-answer session with the audience, which ranges from faculty to undergraduate students interested in HIV/AIDS-related issues. For more information visit, <http://cira.yale.edu/events>.

The Bioethics Center

The Bioethics Center sponsors numerous events throughout the year that are related to local, national, and international bioethics topics. Dates may be subject to change. For up-to-date information, check the calendar at <https://bioethics.yale.edu/>. Contact bioethics.center@yale.edu if you would like to attend any of these events or for further information. To be added to their weekly listserv, please contact Lori Bruce, Associate Director, Interdisciplinary Bioethics Center, at lori.bruce@yale.edu

The Global Health Justice Partnership (GHJP)

The Global Health Justice Partnership (GHJP) is a program hosted jointly by Yale Law School (YLS) and Yale School of Public Health (YSPH) that tackles contemporary problems at the interface of global health, human rights, and social justice. The GHJP is pioneering an innovative, interdisciplinary field of scholarship, teaching, and practice, bringing together diverse thought leaders to collaborate on research, policy projects, and academic exchanges. GHJP also regularly organizes lectures, conferences, and other events on critical health justice topics. Visit <http://www.yaleghjp.org/> for more information.

The History of Science and Medicine Colloquium

The Program sponsors a regular biweekly Colloquium during the fall and spring terms. Its aim is to enlarge the engagement of faculty and, especially, students with the diverse approaches and cutting-edge work of both junior and senior scholars from the United States and abroad in the history of science and medicine. All colloquia, workshops and lectures are scheduled for 5:00 PM in the Historical Library. Tea is served at 4:30 in the Beaumont Room. For further information and a schedule, visit <https://hshm.yale.edu/events>.

The Schell Center for International Human Rights at Yale Law School

The Orville H. Schell, Jr. Center for International Human Rights at Yale Law School coordinates a variety of human rights programs. The Center sponsors frequent panels, lectures, and conferences. Events can be viewed at <https://law.yale.edu/schell/events> or by signing up for their listserv by sending an email to schell.law@yale.edu.

The Whitney MacMillan Center for International and Area Studies

The Whitney and Betty MacMillan Center for International and Area Studies at Yale is the University's focal point for encouraging and coordinating teaching and

research on international affairs, societies, and cultures around the world. The MacMillan Center sponsors numerous lectures, films, seminars and conferences each week. The Events Calendar can be found on their website: <http://yale.edu/macmillan/overview.htm>.

The Jackson Institute

The Jackson Institute for Global Affairs is a principal driver of Yale's efforts to internationalize its teaching curriculum, to attract the most talented students and scholars to Yale from around the world, and to deepen the University's engagement abroad. Their mission is to institutionalize the teaching of global affairs throughout the University and to inspire and prepare Yale students for global citizenship and leadership. The calendar of events can be found on their website: <https://jackson.yale.edu/>.

Yale World Fellows Program

Each fall, Yale invites 16 early-to-mid-career emerging leaders from around the world to participate in intensive leadership training and networking program focused on global issues. Ms. Emma Sky, is the current Director of the World Fellows Program. At a variety of forums throughout the semester, the World Fellows serve as expert panelists on a broad range of topics of global importance. On Friday mornings beginning in September, the Fellows are the featured speakers on a current-events discussion series. Experts discuss topics of vital global importance; students are welcome and encouraged to attend. For more information and a detailed calendar of public events, please visit <https://worldfellows.yale.edu/events>

Yale and the World

The "Yale and the World" website <https://world.yale.edu> offers a gateway to the global aspects of Yale University for students at all levels and in all concentrations. It is a great resource when considering opportunities abroad, and/or networking with other Yale programs, faculty, or alumni.

2018-2019 Conferences at Yale

Please refer to Yale University Bulletin to learn about ongoing conferences: https://calendar.yale.edu/cal/main/showEventList.rdo;jsessionid=LqYLYD3cWrtg uWL8Dvdmi88_RYKfrPxEOaHLWYXs.ip-10-0-10-5

Unite for Sight Sixteenth Annual
Global Health & Innovation Conference
April 13-14, 2019 at Yale University
<http://www.uniteforsight.org/conference/>

RESEARCH OPPORTUNITIES

Below we have listed some of the faculty and funding opportunities for student's doing research with a global health focus at Yale School of Medicine.

Faculty Mentors at Yale

This list is not comprehensive but includes faculty who have mentored students in the past or who are interested in serving as mentors in the future. You should be able to contact them relatively easily; email is typically the best way to begin.

In addition, there is a group of designated Global Health Faculty Advisors across several of the departments who are an excellent resource for identifying possible faculty mentors within their departments. They are as follows:

Emergency Medicine – Dr. Hani Mowafi
Diagnostic Radiology – Dr. Mahan Mathur
Internal Medicine – Dr. Asghar Rastegar
Neurology – Dr. Serena Spudich
Ob/Gyn – Dr. Lubna Pal
Pediatrics – Dr. Elijah Paintsil
Psychiatry – Dr. Ayana Jordan
Surgery – Dr. Doruk Ozgediz

Nadia Abdala, DVM, Ph.D.

Research Scientist

Dr. Abdala's background lies in the field of applied clinical virology, and her past research has focused on questions regarding HIV transmission among injection drug users. She is currently investigating HIV and STD related risk behaviors among populations at risk for HIV and is testing an intervention to reduce the sexual transmission of HIV among STD clinic patients in Russia.

Serap Aksoy, Ph.D.

Professor of EPH

Dr. Aksoy's interests are in the molecular basis of biological complexity that determines host-microbe interactions with the goal of interfering with the transmission of pathogens to humans. Her studies focus on tsetse flies, which are the vectors of the devastating parasites African trypanosomes. They investigate the molecular aspects of tsetse immunity during parasite transmission, with the eventual goal of manipulating these responses to block disease transmission. The laboratory also has field studies in Africa that aim to understand the dynamics of sleeping sickness transmission in Uganda.

Ather Ali, ND, MPH

Associate Research Scientist, Pediatrics;

Integrative Medicine Specialist, Yale Stress Center

Dr. Ali's interests lie in chronic disease prevention and chronic pain syndromes. He is currently investigating the role of mindfulness interventions in fibromyalgia. He has been involved in a number of clinical trials of complementary therapies, including massage, nutritional supplements, and dietary interventions.

Frederick L. Altice, MD, MA

Professor of Medicine, Section of Infectious Diseases, AIDS Program

Director of Clinical and Community Research

Dr. Altice is involved in active research projects in several countries, including Malaysia, Ukraine, Indonesia, Russia, Peru and the U.S. Dr. Altice is primarily interested in health outcomes and interventions associated with the prevention and treatment of infectious disease (e.g., HIV/AIDS, Hepatitis C, Tuberculosis) complications among drug users. His work involves clinical trials, prevention, health policy, epidemiology and public health. He also has active research projects involving health care, community and criminal justice settings. Clinical trials include behavioral interventions, the use of medication-assisted therapies (e.g. methadone, buprenorphine, naltrexone) and structural interventions. Individuals interested in summer projects should begin early by planning projects in the early to late fall and will require receipt of funding before the project can commence.

Linda D. Arnold, M.D.

Associate Professor of Pediatrics, Section of Emergency Medicine;

Dr. Arnold is the Yale Pediatric lead for Rwanda's Human Resources for Health: Capacity Building through Medical Education Program. As Chair of the American Academy of Pediatrics (AAP) Section on International Child Health, Dr. Arnold serves on the AAP Global Immunization Advocacy Project Advisory Committee and as a representative for the Survive and Thrive Global Development Alliance, a global initiative to improve maternal and child health in low resource settings. Dr. Arnold's research interests center on global child health; she is frequently invited to speak domestically and internationally about global child health priorities, effective bi-directional partnerships, and the importance of funding proven interventions like routine childhood immunizations and training of skilled birth attendants.

R. Douglas Bruce, MD, MA, MSc

Assistant Professor of Medicine and Epidemiology

Dr. Bruce conducts operations research globally at the intersection of infectious diseases (e.g., HIV/tuberculosis) and addiction. Dr. Bruce helped develop the first integrated treatment clinic for addiction and HIV/TB in Africa where he continues to research optimal treatment delivery systems for complicated patient populations.

Richard Bucala, MD, Ph.D.

Professor of Internal Medicine, Pathology, and Epidemiology & Public Health

Dr. Bucala's research is on the mechanisms by which host immunity converts from a protective response to one producing disease and tissue pathology, with active investigative programs in autoimmunity and infectious diseases, including malaria, tuberculosis, and leishmaniasis.

Michael Cappello, MD

Professor of Pediatrics, Microbial pathogenesis and Public Health;

Director, Yale Program in Int'l Child Health

Dr. Cappello's research group conducts laboratory and field-based studies of parasitic diseases, including hookworm and malaria. Laboratory studies focus on parasite vaccine and drug development, while field-based studies in West Africa focus on epidemiology and molecular mechanisms of anthelmintic treatment failure. In addition, Dr. Cappello serves as co-Director of the Yale international Adoption clinic, where he provides medical evaluations of children adopted from abroad.

Lei Chen, MD, MHS

Associate Professor of Pediatrics (Emergency Medicine) and of Emergency Medicine

Dr. Chen's research focuses on health services as a means to improve the care of children in the acute care settings. He has focused on the application of new technologies to improve the care of pediatric patients to increase efficiency of medical care and improve delivery of quality health care in the developing world. He has devoted most of his time in Rwanda and China improving the infrastructure and training for clinical research and medical education.

Jamie Childs, ScD

Senior Research Scientist, Microbial Diseases and Public Health

Childs' area of research includes the ecological dynamics of directly-transmitted zoonotic viruses, including the hantaviruses, arenaviruses and rabies, and vector-borne bacteria, including rickettsia, bartonella and borrelia. His recent interests and research, conducted in collaboration with Dr. Albert Ko, focus on the ecoepidemiology of intra- and inter-specific transmission of leptospires in an urban slum setting in Salvador, Brazil.

Mayur Desai, PhD, MPH

Associate Professor of Epidemiology (Chronic Diseases)

Professor Desai's research interests focus on improving the quality and outcomes of medical care in complex and vulnerable populations, including persons with mental disorders, veterans, immigrants, and the elderly; and workforce issues in public health and medicine.

Robert Dubrow, MD, PhD

Professor of Epidemiology (Chronic Diseases)

Dr. Dubrow has been involved in cancer research for most of his career, first in cancer biology and then, for the major portion of his career, in cancer epidemiology, which has included the following work: 1) studies aimed at the identification of fecal and serum markers for the early detection of colorectal cancer and/or for the identification of persons at high risk for colorectal cancer; 2) case-control studies of cancers of the stomach, esophagus, breast, endometrium, and larynx, as well as malignant melanoma, childhood osteosarcoma, and childhood rhabdomyosarcoma; 3) a study of the effects of race and social factors on the stage at diagnosis of breast, prostate, colorectal, and endometrial cancers; 4) time trend and age-period-cohort analyses of malignant melanoma and colorectal cancer; and more recently, 5) HIV-related malignancies; and 6) descriptive and analytic epidemiology and patterns of care and outcomes for glioma. Since 2009, the latter two areas have been the main focus of his research.

Menachem Elimelech, Ph.D.

Roberto Goizueta Professor of Chemical & Environmental Engineering

Dr. Elimelech's research interests include environmental applications and implications of nanomaterials, membrane separations for desalination and water quality control, engineered osmosis for sustainable production of water and power, and water and sanitation in developing countries.

Rafael Perez-Escamilla, Ph.D.

Professor of Epidemiology; Director, Office of Community Health

Dr. Perez-Escamilla's global public health nutrition research program seeks to understand how best to: a) promote breastfeeding and other infant feeding practices; b) measure household food insecurity; c) mitigate the negative impact of household food insecurity on maternal-child physical and mental health outcomes; d) mitigate the negative impact of maternal HIV on child growth and development; e) design community nutrition education programs. His domestic health disparities research program focuses on design and evaluation of health disparities research program focuses on design and evaluation of community health worker models seeking to improve behavioral (nutrition, physical activity, self-glucose monitoring, medication adherence) mental health (stress reduction) and metabolic outcomes among Latinos with type 2 diabetes.

Kristopher Fennie, MSc, MPH, Ph.D.

Research Scientist and lecturer, Yale School of Nursing

Dr. Fennie's research interests include infectious disease epidemiology in disenfranchised populations, the relationship between patient and provider in these populations, and medication adherence to HAART. She also works with HIV, HCV, and blood borne pathogen education in China.

Durland Fish, PhD

Professor of Epidemiology (Microbial Diseases) and of Forestry and Environmental Studies

Dr. Fish is also the Director of the Yale Institute of Biospheric Studies Center for EcoEpidemiology. His research focus is on epidemiology and prevention of vector-borne disease.

Brian Forsyth, MBChB, FRCP(C)

Professor of Pediatrics and Associate Professor of Child Study Center

Dr. Brian Forsyth is Deputy Director for International Research for Yale's Center for Interdisciplinary Research on AIDS (CIRA). His primary research interests lie in the areas of prevention of mother to child HIV transmission, the psychological effects of parental HIV on children and issues relating to child development. His research is conducted internationally, primarily in South Africa.

Gerald Friedland, MD

Senior Research Scientist

Professor Emeritus of Medicine and EPH

Dr. Friedland's research interests have focused on HIV disease in underserved populations in the United States, and most recently South Africa. These include the transmission of HIV among HIV seropositives, natural history and clinical manifestations of HIV infection, clinical trials of new antiretroviral and opportunistic infection therapies and adherence to these therapies. Dr. Friedland's recent work has included study of multi and extensively drug resistant tuberculosis in Tugela Ferry, KZN, and South Africa.

Alison Galvani, PhD

Professor of Epidemiology (Microbial Diseases) and of Ecology and Evolutionary Biology

Professor Galvani's research focuses on integrating epidemiology and the evolutionary ecology or economics in order to generate predictions that could not be made by these disciplines alone. This interdisciplinary approach has widespread potential for answering evolutionary questions, explaining empirical observations and informing public health policy. Professor Galvani has applied this approach to the study of HIV, influenza, TB and HPV, among other diseases.

Joel Gelernter, MD

Foundation Professor of Psychiatry, Professor of Genetics and Neurobiology; Director, Division of Human Genetics

Dr. Gelernter's research focuses on the study of genetics of substance dependence, as well as a range of behavioral phenotypes, panic and other anxiety disorders, schizophrenia, and affective disorders. In addition to neuroimaging measures, Dr. Gelernter's lab also examines genetic polymorphisms, both on a molecular level, and from the perspective of population genetics. He has current projects in Thailand and is developing others elsewhere in Asia.

Matthew Goldenberg, M.D., M.Sc.

Assistant Professor of Psychiatry

Dr. Goldengerg is section chief of psychiatric emergency services at YNHH, the medical director of the YNHH Psychiatry Observation Unit and serves as an attending psychiatrist in the YNHH emergency department's Crisis Intervention Unit. He is active in medical student education at Yale, serving as a member of the steering committee for the integrated Primary Care and Psychiatry Clerkship and a regular lecturer, seminar leader and tutor to medical and physician associate students. Dr. Goldenberg's professional interests include medical student and resident education, emergency psychiatry, physician political behavior/advocacy, health promotion, as well as international and refugee mental health. He received a certificate in Global Mental Health from the Harvard Program in Refugee Trauma in 2009. He is a member of the American Psychiatric Association and the Association of Directors of Medical Student Education in Psychiatry (ADMSEP).

Elena Grigorenko, Ph.D.

Emily Fraser Beede Professor of Developmental Disabilities, Child Studies, Psychology, and Epidemiology and Public Health

Dr. Grigorenko has worked with children and their families in the U.S. as well as in Africa (Kenya, Tanzania and Zanzibar, the Gambia, and Zambia), India, Saudi Arabia, and Russia. Her current research projects include, Cognitive and linguistic adaptation of international adoptees in the US, Learning disabilities in harsh developmental environments and their relation to infection, intoxication, and poverty in Africa, Genes involved in language disorders in a genetically isolated population, Genes involved in learning disabilities and cognitive processing, with special emphasis on studying minority samples in the US, and Interactions between genetic and environmental risk factors for conduct problems and the role of these factors in response to interventions in juvenile detainees.

Jhumka Gupta, ScD, MPH

Assistant Professor of Epidemiology (Chronic Diseases)

Dr. Gupta's research interests lie in the arenas of gender-based violence, immigration, sex trafficking, and sexual risk. Jhumka also has extensive international experience where she conducted research on HIV and sex trafficking in South Asia, developed a gender and health curriculum for adolescents in Mumbai, India, and managed a women's health program in rural Haiti.

Nicola Hawley, PhD

Assistant Professor of Epidemiology (Chronic Diseases)

Dr. Hawley's research focuses broadly on: (1) understanding how maternal and child health are impacted by rising levels of obesity and diabetes in developing countries, (2) determining how the delivery of healthcare impacts the identification and treatment of these diseases during the perinatal period, and (3) developing interventions focused on pregnancy and early infancy to prevent the intergenerational transmission of chronic disease. She has ongoing projects and collaborations in American Samoa, Samoa, South Africa, and the US.

Robert Heimer, Ph.D., MSc

Professor of EPH, Associate Professor of Pharmacology

Currently, Dr. Heimer's major research efforts include both field based prevention work and laboratory investigations of disease transmission risks. The field-based work concentrates on the scientific evaluation of prevention programs serving drug users. These include syringe exchange, hepatitis vaccination, and overdose prevention. The laboratory work concentrates on the virological assessment of the risk of syringe sharing and other drug injection behaviors that may transmit HIV-1 and Hepatitis C virus.

Debbie Humphries, Ph.D., MPH

Clinical Instructor, School of Public Health

Dr. Humphries is a lecturer in the Global Health division at Yale School of Public Health and has mentored Yale students in international research in years past.

Karen Jubanyik, MD

Assistant Professor of Emergency Medicine;

Director, Emergency Medicine Clerkship

Dr. Jubanyik is the Director of the required two-week Emergency Medicine Clerkship, as well as the four-week Emergency Medicine SubInternship offered to 4th/5th year students. She serves on the Yale-New Haven Hospital Bio-ethics Committee; she is the National Chair of the Society for Academic Emergency Medicine's Palliative Care Interest Group. Integrating Palliative Care and End-of-Life Care teaching to residents and medical students on all clerkships, including Emergency Medicine, has been a recent priority for Dr. Jubanyik. She is a core faculty member in the Professional Responsibility course taught to first-year students, and will continue to teach second-year student workshops devoted to recognizing and treating victims of Intimate Partner Violence and Sexual Assault. She also organizes and teaches the Emergency Medicine component of the Integrative Clinical Medicine course taught to graduating medical students.

Trace Kershaw, Ph.D.

Associate Professor of EPH

Professor Kershaw's research is in the area of HIV/STD prevention and reproductive and maternal-child health epidemiology. Currently he is involved in several research projects assessing the influence of behavioral interventions aimed to reduce the occurrence of HIV/STD and negative perinatal and postnatal outcomes for young woman in the United States and abroad.

Kaveh Khoshnood, Ph.D., MPH

Associate Professor EPH

Dr. Khoshnood is trained as an infectious disease epidemiologist, and his research interests include the epidemiology, prevention and control of HIV/AIDS and tuberculosis among drug users, prisoners and other at-risk populations in United States and in resource-poor countries; examination of the links between violent conflict and health and the ethical dilemmas in research involving vulnerable populations. Dr. Khoshnood conducts research and mentors researchers from

China and the Middle East and teaches courses on HIV/AIDS, global health, research methods and ethics.

Albert Ko, MD

Professor of Epidemiology and Medicine; Department Chair

His research focuses on the health problems which have emerged as a consequence of rapid urbanization and social inequity. Dr. Ko coordinates an NIH-supported research and training program on urban slum health in Brazil, where his group is conducting long-term prospective studies on urban health problems which include dengue, meningitis and respiratory infections, as well as non-communicable diseases such as hypertension and violence. His work is particularly interested in understanding the natural history of leptospirosis, which is as a model for an infectious disease which has emerged in slum settlements due to the interaction of climate, urban ecology and social marginalization. His research combines field epidemiology and translational research approaches to identify prevention and control strategies which can be implemented in slum communities. Furthermore, Dr. Ko is the Principal Investigator at Yale for the Fogarty Global Health Equity Scholars Program which provides research training opportunities for US and LMIC post and pre-doctoral fellows at collaborating international sites.

Harlan Krumholz, MD

Harold H. Hines Jr. Professor of Medicine

Dr. Krumholz is the director of the Robert Wood Johnson clinical Scholars Program and the director of the Yale-New Haven Hospital Center for Outcomes Research and Evaluation. His research focuses on determining optimal clinical strategies and identifying opportunities for improvement in the care of patients with or at risk for cardiovascular disease.

Mark Lazenby, APRN Ph.D.

Assistant Professor of Nursing and Divinity

Dr. Lazenby is interested in global palliative care. With researchers and clinicians at the King Hussein Cancer Center in Amman, Jordan, he is working to develop a religiously specific intervention to enroll patients into palliative care at the time of diagnosis with life-limiting cancer. In Botswana (southern Africa), he is working with a nonprofit hospice to use the principles of palliative care to increase adherence to treatment regimens, decrease symptom distress, and decrease rates of hospitalization for patients with chronic illnesses, including HIV/AIDS and cancer.

James Leckman, MD

Neison Harris Professor in the Child Study Center;

Professor of, Psychology and Pediatrics

Dr. Leckman's primary research interests are in the evaluation and treatment of Tourette's Syndrome and early onset obsessive-compulsive disorder. He has also done work in numerous other areas of child and adolescent psychiatry as the current Director of Research for The Child Study Center.

Robert Malison, MD

Professor of Psychiatry

Dr. Malison's research group is interested in the neurobiology and genetics of substance dependence disorders, with a particular focus on psychostimulant (cocaine and methamphetamine) dependence. Methodologies employed vary, and include human laboratory methods designed to evaluate the regulation of cocaine self-administration, reinforcement, and cocaine behavioral effects. Also, in collaboration with Chulalongkorn University in Bangkok, his group is undertaking a feasibility study of the genetics of opioid and methamphetamine dependence in a northern Thai (Hmong) hill tribe population.

Hani Mowafi, MD, MPH

Assistant Professor of Emergency Medicine;

Section Chief of Global Health and International Emergency Medicine.

Dr. Mowafi's areas of interest include provision of health services in humanitarian emergencies, the burden of injuries in low- and middle-income countries, and the characterization of global emergency care. He has participated in and led programs in thirteen countries primarily in the Middle East and Africa and has partnered with NGOs, UN agencies and universities on programs and academic research.

Linda Niccolai, Ph.D.

Associate Professor of Epidemiology; Director, HPV-IMPACT Project

Her main area of interest is in behavioral aspects of HIV/STI prevention. Specifically, she is interested in studying both individual-and partnership-level determinants of sexual risk behaviors, and population-based patterns of transmission dynamics. Her research includes a focus on the underserved populations of adolescents and women, and includes both domestic and international sites. Currently, Professor Niccolai is involved in three main areas of research: the behavioral and molecular epidemiology of repeat Chlamydia infections among young women; HIV transmission dynamics among injection drug users and commercial sex workers in Russia; and working with the Connecticut Emerging infections program to monitor impact of the human papillomavirus vaccine.

Diane McMahon-Pratt, Ph.D.

Professor of EPH

Professor McMahon-Pratt's laboratory is interested in understanding the immune effector mechanisms in the mammalian host that are involved in the control of infection and/or pathogenesis of leishmaniasis, with the aim to developing a vaccine. Currently, Professor McMahon-Pratt is director of an NIH-sponsored International Collaborating Infectious Disease Research Center Program and Fogarty Training Programs with Centro Internacional de Entrenamiento e Investigaciones Medicas in Colombia.

Doruk Ozgediz, MD MSc

Assistant Professor of Surgery
Section of Pediatric Surgery

Dr. Ozgediz's research interests include challenges and solutions for surgery in resource poor areas, capacity-building for the surgical workforce in resource-limited settings, health disparities in surgical care, and burden of surgical disease. He has been working through surgical collaborations in Uganda since 2003 and has a specific clinical interest in surgical care for children.

Elijah Paintsil, MBChB, MD

Assistant Professor of Pediatrics & Pharmacology

Research Interest: HIV; translational research: cellular pharmacology of HIV-RT Inhibitors in relation to clinical toxicities; fitness and evolution of HIV drug resistant mutants; molecular epidemiology and dynamics of HIV/HCV transmission. Clinical Interest: Pediatric infectious diseases; pediatric HIV/AIDS with special interest in management of multi-drug resistant HIV infection; prevention of mother to child transmission of HIV and monitoring of antiretroviral therapy in a resource limited setting.

David Paltiel, Ph.D.

Professor of Public Health (Health Policy) and of Management

Dr. Paltiel works in the field of operations research and disease simulation modeling. He conducts cost-effectiveness analyses on a variety of medical technologies and public health activities. His current research focuses on model-based evaluation of HIV/AIDS testing, prevention, treatment, and care in vulnerable and underserved populations in the United States and abroad.

Catherine Panter-Brick, D.Phil

Professor of Anthropology, Health and Global Affairs

Catherine Panter-Brick is a medical anthropologist whose global health research addresses issues of poverty, disease, malnutrition, armed conflict, and social marginalization. She has directed large interdisciplinary projects in Afghanistan, Ethiopia, the Gambia, Nepal, Niger, Pakistan, Saudi Arabia, Tanzania, and the United Kingdom. Her focus on youth in global adversity has included research with street children, refugees, famine-stricken households, and war-affected communities in areas of conflict and humanitarian emergencies. At Yale, she leads a global mental health initiative to develop interdisciplinary research, training, program evaluation and advocacy through international partnerships.

Sunil Parikh, MD, MPH

Assistant Professor of Epidemiology (Microbial Diseases) and of Medicine (Infectious Diseases)

Professor Parikh's research interests focus on translational studies of malaria in sub-Saharan Africa. Dr. Parikh focuses upon several aspects of malaria: early host immune responses to infection, human genetics, and treatment. Current projects include: (1) understanding host factors affecting response to artemisinin-based antimalarial therapies using a combination of individual and population-based

pharmacologic approaches to inform treatment guidelines; 2) characterizing the impact of host genetic and transcriptional variability in early immune responses to malaria; and 3) understanding the impact of the HIV epidemic on the treatment of malaria in co-endemic regions. Dr. Parikh has ongoing projects in several African countries, including Uganda, Burkina Faso, and Nigeria.

Linda Pellico, PhD, MSN, RN

Associate Professor of Nursing

Dr. Pellico's research interests include the education of adult learners, creative teaching strategies, narrative inquiry, and the work environment of newly licensed registered nurses.

Tracy Rabin, MD, MS Assistant Professor of Medicine (General Medicine); Assistant Director, Office of Global Health (Department of Internal Medicine)

Dr. Rabin is an Internist and Pediatrician. She attends and teaches on the medical wards at the St. Raphael's Campus (SRC) of Yale-New Haven Hospital; directs care and precepts residents in the SRC Adult Primary Care Diabetes Clinic; co-directs the YPC Community Engagement Curriculum; directs the YPC Home Visit Elective; and co-directs the Makerere University-Yale University (MUJU) medical education capacity building collaboration which is based at the Makerere University College of Health Sciences/Mulago National Referral & Teaching Hospital in Kampala, Uganda. Her areas of academic interest include global health education and clinical ethics, outpatient diabetes management, and health care transitions.

Asgar Rastegar, MD

Professor of Medicine and Director, Office of Global Health in Internal Medicine

Dr. Rastegar is a clinical nephrologist with strong interest in intensive care nephrology including disorders of acid base and electrolytes. His academic interest revolves around education and training of young physicians both in the US and abroad. In his role as the Director of the Office of Global Health and co-director of Yale-Stanford J&J Global Health Scholar Program, he has focused on the development of bilateral relationship with institutions in resource poor regions with the goal of improving human capacity in the health care sector.

Robert Rohrbaugh, MD

Professor of Psychiatry; Deputy Chair of Education and Career Development; Residency Program, Department of Psychiatry

Dr. Rohrbaugh is the Director of the Office of International Medical Student Education. He is interested in comparing undergraduate and graduate medical education for mental health disorders in the developing world, with special emphasis on China.

Robert Rosenheck, MD

Professor of Psychiatry and of Public Health (Health Policy)

Dr. Rosenheck is the Director of the Division of Mental Health Services and Outcomes Research in the Department of Psychiatry. His research interests

include Homelessness; Post Traumatic Stress Disorder; Cost-Effectiveness Analysis. He is an internationally known mental health service researcher who is leader in cost-effectiveness studies of behavioral health interventions and in monitoring quality of care and other aspects of the performance of large health care system.

Patricia Ryan-Krause, MS, MSN, APRN

Associate Professor, Pediatric Nurse Practitioner Specialty and

Interim Director of Center for International Nursing Scholarship and Education.

Her scholarly and clinical interests include early childhood development, learning issues and capacity- building in low resource global settings. She has many years of experience in Central America working with health, mental health and developmental issues in urban and rural settings.

Richard Schottenfeld, MD

Professor of Psychiatry

Dr. Schottenfeld's research is aimed at improving the accessibility, availability and effectiveness of treatments for substance use disorders in the U.S. and internationally, through clinical trials and clinical epidemiologic studies. The general themes of his research and approaches utilized are evident in the major, interrelated programs of research that he has developed aimed at: 1. improving the efficacy of pharmacological and behavioral treatments for opioid (heroin, morphine, or prescription opioids) or stimulant (cocaine or amphetamine-type stimulants) use disorders, including studies of opioid agonist maintenance treatment with methadone or buprenorphine and adjunctive behavioral or pharmacological treatments for specific patient sub-populations (e.g. those with co-occurring stimulant dependence or chronic pain), 2. improving the accessibility and effectiveness of opioid dependence treatment by integrating it in office-based and primary care settings, and 3. evaluating and disseminating evidence-based drug abuse treatment and promoting drug abuse clinical research in international settings, including in Malaysia, China, and Russia.

Jeremy Schwartz, MD

Assistant Professor of Medicine (General Medicine); Firm Chief, Yale Primary Care Residency Program.

Dr. Schwartz is board-certified in both Internal Medicine and Pediatrics. He places an emphasis on patient quality and safety and the patient experience and engages in research in those realms. Globally, his focus centers around non-communicable diseases (NCDs). He is an active member of the global NCD advocacy movement. He serves on the Advisory Council of the Young Professionals Chronic Disease Network and is a member of the East African NCD Alliance post-2015 Implementation Initiative. His research focuses on health system strengthening related to NCDs. He is the US-based co-Director of the Uganda Initiative for the Integrated Management of Non-Communicable Diseases (UINCD). He is also the Director of Chronic Disease Integration and Delivery Science at the Yale Equity Research and Innovation Center (ERIC). Within ERIC, he is Medical Director of the Eastern Caribbean Health Outcomes Research Network (ECHORN). Dr.

Schwartz has been directing "Topics in Global Medicine" (formerly the Tropical Medicine Course) since 2010. This interdisciplinary elective course for health professions students at Yale presents a wide range of globally relevant health issues in an interactive format.

Sheela Shenoi, MD, MPH

Assistant Professor of Medicine in the AIDS Program of the Section of Infectious Diseases.

Dr. Shenoi's clinical research is on HIV/AIDS and tuberculosis with a focus on resource-limited settings. She has worked in South Africa to study the epidemiology of drug resistant tuberculosis and tuberculosis infection control strategies. She currently develops and implements community-based projects that emphasize the integration of HIV and tuberculosis services to improve prevention, care and treatment for patients with HIV/AIDS and tuberculosis. Dr. Shenoi serves as a member of Yale's Global Health Program committee of the Department of Medicine.

James Shepherd, MD, PhD

Associate Professor of Medicine (Infectious Diseases)

HIV and TB infection in Africa and India. Through clinical, epidemiological and, most recently, health care delivery studies, Dr. Shepherd's interests have focused on providing high quality treatment services for HIV, TB or both to people in countries with weak healthcare infrastructure. In the past he has worked in Nigeria, Botswana and India and currently collaborates with the Yale program in Kwazulu-Natal South Africa.

Aisha Sethi, MD

Associate Professor of Dermatology; Director of the Yale Dermatology Global Health Program.

Dr. Sethi's interests in tropical medicine, immigrant and refugee populations, and global infectious diseases with dermatologic manifestations have led her to field work in Pakistan, Malawi, Jordan, Hospital for Tropical Diseases (HTD) in London, and the Regional Dermatology Training Center (RDTC) in Tanzania. She is especially interested in addressing global access to medical care, medical diplomacy programs and improving medical training and dermatologic therapies in developing countries. In 2007, Dr. Sethi established a dedicated dermatology elective exchange program with Kamuzu Central Hospital in Lilongwe, Malawi for undergraduates, medical students and dermatology residents.

Andre N. Sofair, MD, MPH

Associate Professor of Medicine (General Medicine) and of Epidemiology (Microbial Diseases)

Dr. Sofair's research interests lie primarily in the area of emerging infectious diseases. He has worked to develop surveillance systems for the detection of emerging pathogens, developed hospital and practice-based cohorts to define infectious disease burden and epidemiology, and performed a number of validation studies to limit biases in estimation of incidence rates. His current work focuses largely on the epidemiology of chronic liver disease with an emphasis on liver disease due to hepatitis C infection.

Serena Spudich, MD, MA

Professor of Neurology

Division Chief, Neurological Infections & Global Neurology

Dr. Spudich, is trained in both Internal Medicine and Neurology, as well as fellowship training in Neuro-infectious Disease, Neuro- AIDS, and clinical research methods. Her primary research concentration is the pathogenesis of HIV infection in the nervous system, focusing particularly on establishment of inflammation, injury, and a potential CNS 'reservoir' for HIV. These studies have involved intensive and coordinated multidisciplinary studies of difficult to access and identify subjects, for example systemic HIV controllers, patients with CNS 'escape,' and individuals with acute and early infection in San Francisco, USA and Bangkok, Thailand.

Marietta Vázquez, MD

Associate Professor of Pediatrics, Infectious Diseases

Director of Pediatric Global Health Track

Dr Vázquez is an infectious diseases specialist who conducts clinical epidemiology research. Her primary research interests include evaluating the effectiveness of pediatric vaccines--varicella vaccine, Rotavirus vaccines, Lyme vaccine, Pneumococcal conjugate vaccine, and Influenza vaccine, among others. Dr Vazquez's studies focus on the assessment of the effectiveness of vaccines. She has established the Pediatric Yale-Hospital Infantil Robert Reid Cabral (HIRRC) collaboration. This new initiative is a multifasceted collaborative program between Yale Pediatrics and the only public children's hospital in Santo Domingo-- HIRRC. The collaborative program encompassess research projects (funded in part by the Centers of Disease Control Foundation), a bidirectional resident exchange program, and faculty exchange. Dr Vázquez also serves as co-director of the Yale Pediatric Global Health track.

John Harley Warner, Ph.D.

Avalon Professor and Chair, History of Medicine, Professor of History

Dr. Warner's research interests include the cultural and social history of medicine in 19th and 20th century America, comparative history, (particularly British, French, and North American medicine), and medical cultures since the late 18th century.

Maria Ana Diuk-Wasser, Ph.D.

Assistant Professor of Epidemiology (Microbial Diseases)

Dr. Diuk-Wasser's primary research interests include environmental and ecological drivers of vector-borne and zoonotic diseases as well as spatiotemporal predictions of risk.

Daniel Weinberger, PhD

Assistant Professor of Epidemiology (Microbial Diseases)

Dr. Weinberger's research is at the intersection of microbiology and epidemiology. Much of his work focuses on the pneumococcus, a major bacterial pathogen that causes a large burden of disease worldwide, particularly among young children

and the elderly. Major research questions are related to bacterial evolution and strain dominance, bacterial-viral co-infections, and seasonal determinants of bacterial disease incidence. He also does work focused on improving the interpretation of disease surveillance data and understanding geographic variations in vaccine impact. These projects have direct relevance for interpreting post-vaccination disease data and for understanding the potential impacts of bacterial evolution on long-term vaccine effectiveness.

Jeffrey Wickersham, PhD

Associate Research Scientist in Medicine (Infectious Diseases)

Dr. Wickersham's research is focused on the development and evaluation of biomedical and behavioral interventions to address HIV prevention and substance abuse treatment among sex workers. His work targets both cisgender female and transgender women in the sex work industry in Southeast Asia. Broadly, his work seeks to understand the effect of gender differences in substance use etiology, drug and sex risk taking behavior, and to develop interventions sensitive to gender-specific needs to improve HIV and substance dependence outcomes.

Julie Womack, CNM, APRN, PhD

Assistant Professor of Nursing

Dr. Womack's research interests include HIV/AIDS in an aging population with a particular interest in HIV-infected women. Her current focus is fragility fractures and falls in an aging population. She has also explored metabolic complications in HIV infected women who use hormonal contraception.

Barry J. Wu, MD, FACP

Clinical Professor of Medicine at Yale University School of Medicine and Associate Program Director of Internal Medicine at the Yale New Haven Medical Center Saint Raphael Campus

Dr. Wu is responsible for teaching residents, medical students, physician assistants and caring for the uninsured and under insured in New Haven. He has participated on medical missions trips to the Dominican Republic, Ecuador and Panama and taught at the International Medical Conference for medical missionaries in Thailand. He has been on the board of the Yale China Association since 2007 and has been involved in developing a model of undergraduate and graduate medical education in China.

Tongzhang Zheng, DSc

Susan Dwight Bliss Professor of Epidemiology

Dr. Zheng's research interests are in the area of environmental pollution and human health, particularly in cancer epidemiology and etiology related to environmental hormone disruptors, genetic susceptibility and gene-environmental interaction. His research emphasizes the role of organochlorine compounds (such as PCBs, DDE and other pesticides) in the etiology of several major cancers in the United States including breast, Non-Hodgkin lymphoma, Hodgkin's diseases, multiple myeloma and testicular cancer. International activity has been primarily in China.

In addition to those faculty listed here, the Directory of Faculty Research Interests – maintained by the Office of Student Research is a great resource to identify potential faculty mentors and thesis advisors. It is available on-line at, <http://facultyresearchinterests.yale.edu/bykeyword/listing.aspx?meshId=14322> or by contacting donna.carranzo@yale.edu

FUNDING RESEARCH IN INTERNATIONAL SETTINGS

Short Term or Summer Research Funding

The Office of Student Research

The Office of Student Research funds medical student research in low and middle income countries. A full time Yale faculty advisor is required. Students are strongly encouraged to also apply to the Downs Fellowship Program which has an earlier submission date. If students are not awarded the Downs Fellowship but apply for funding to the Office of Student Research, the application should address and correct recognized limitations in the protocol submitted for the Downs Fellowship.

For more information, visit the OSR's website:

<http://medicine.yale.edu/education/osr/student/funding/index.aspx>

The Arons-Millard Student Research Fund for Surgery

The Arons-Millard Student Research Fund for Surgery was established by M. Felix Freshwater, M.D.'72 in 2007 in order to promote the development of future academic surgeons. Dr. Freshwater established this fund in honor of his first and final surgical teachers: Marvin S. Arons, M.D., D.M.D. (B.S. Yale 1952) Clinical Professor of Surgery, Emeritus, Yale and D. Ralph Millard Jr., M.D. (B.S. Yale 1941) Light-Millard Professor of Surgery, Emeritus at the University of Miami.

This research fund is administered by the Office of Student Research, and students may pursue projects abroad within the surgical disciplines. Such research projects must fall within the following areas:

1. Clinical research with the surgical disciplines
2. Projects related to the History of Surgery
3. Projects on surgical ethics
4. Projects on evidence-based care
5. Projects on surgical economics

Research projects meeting these criteria can be conducted in domestic or international settings.

Downs Fellowship Program

The Downs Fellowship Program utilizes an endowment from Dr. Wilbur Downs and his family to provide opportunities for students from the Schools of Epidemiology and Public Health, Medicine, Physician Associate, and Nursing to complete research projects in the developing world. The Downs Fellowship Committee is comprised of members from the four health professions schools, meets monthly to review issues of interest and serves as the committee to review applications and award fellowship applications.

Dr. Leonard Munstermann chairs the Downs Fellowship Committee. Students interested in the Down's Fellowship can e-mail him at Leonard.Munstermann@yale.edu, or Anjuli.Bodyk@yale.edu, Program Administrator.

Downs Fellowship

Listed below are the Downs Fellowship recipients for the past three years. <https://publichealth.yale.edu/downs/fellows/index.aspx>

2018 Downs Funding Recipients

- Melanie Curry, YSPH : The Effects of Rainfall on Pathogenic Leptospira Concentrations in Water in Urban Slums. Salvador, Brazil (faculty advisor: Albert Ko)
- Daniel Hodson, YSM : Descriptive molecular-based epidemiological study of Plasmodium malariae infection across rural and urban sites in southern Cameroon. Duoala, Cameroon (faculty advisor: Sunil Parikh)
- Duane Madziva, YC : Dual Burden of Hypertension and Diabetes in HIV Patients, and Patient Perspectives on Integrated Care at Military Hospital of Douala, Cameroon. (faculty advisor: Lingeng Lu)
- Olivia Nusbaum, YSPH : Identifying Environmental Foci of Hookworm Infection in Kintampo, Ghana Using GPS Technology: A Pilot Study. Kintampo, Ghana (faculty advisor: Debbie Humphries)
- Natalie Olson, YSPH : The molecular epidemiology of asymptomatic malaria in Kumasi, Ghana. (faculty advisor: Michael Capello)
- Libby Didomizio, YSPH : Co-infection of HIV and Syphilis Among Men Who Have Sex with Men in Kuala Lumpur, Malaysia. (faculty advisor: Jeffrey Wickersham)
- Rayne Kim, YSPH : Assessing the mental and physical health needs of urban asylum seekers in Malaysia Kuala Lumpur, Malaysia. (faculty advisor: Kaveh Khoshnood)
- Mike Yepes, YSPH : An Evaluation of Medical Doctors' Knowledge of and Willingness to Prescribe Pre-Exposure Prophylaxis for HIV Prevention in Malaysian Academic Medical Centers. Kuala Lumpur, Malaysia (faculty advisor: Jeffrey Wickersham)

- Paulina Luna, YSM : Designing an intervention for breastfeeding in low-resource communities in Mexico using the socio-ecological framework. Mexico City, Mexico (faculty advisor:Rafael Perez-Escalilla)
- Candice Taguibao, YSPH : Attitudes Towards Individuals with Mental Illness Among Medical Students and Physicians in the Philippines. Manila, Philippines (faculty advisor: Robert Rosenheck)
- Sydney Wade, YC : Risk factors for Guillain-Barré syndrome following Zika virus infection in Puerto Rico, 2016. San Juan, Puerto Rico (faculty advisor: Albert Ko)
- SophieTo, YSPH : Perceptions of body size and experiences of weight stigma among Samoan adults: update and further exploration. Apia, Samoa (faculty advisor: Nicola Hawley)
- Lauren LaMonica, YC : Assessment of the current status of diabetic self-monitoring and readiness for mobile e-healthcare control in a high-risk population of Samoans. Apia, Samoa (faculty advisor: Nicola Hawley)
- Justin Jones, YSPH : Identifying Barriers to IPT Prescriptions among Health Care Workers in Tugela Ferry South Africa: A Convergent Parallel Mixed Methods Study. Tugela Ferry, South Africa (faculty advisor: Sheela Shenoi)
- Seong Im Hong, YSM : Developing Context-Appropriate, Caretaker-Centered Education Materials for Caretakers of Children with Ostomy in Mulago Hospital, Kampala, Uganda. (faculty advisor: Doruk Ozgediz)
- Justin Goodwin, YSM : Understanding the Determinants and Significance of Parasite Persistence After Antimalarial Treatment. Tororo and Busia, Uganda (faculty advisor: Sunil Parikh)
- Tyler Johnson, YSPH : Patient knowledge and HIV-TB treatment outcomes in Kampala, Uganda. (faculty advisor: Luke Davis)

2017 Downs Funding Recipients

- Kendall Arslania, YSPH: Associations of maternal nutrition during pregnancy and CREBRF genotype with neonatal adiposity in Samoa. (faculty advisor: Nicola Hawley, PhD)
- Rebecca Byler, YSPH: Testing of targeted multifunctional nanoparticles for anti-leishmanial applications in Colombia. (faculty advisor: Tarek Fahmy, PhD)
- Katherine Desobry, YSPH: Use of a mathematical model to guide empiric antibiotic prescription recommendations for skin and soft tissue coinfections in Suva, Fiji. (faculty advisor: Melinda Pettigrew, PhD)
- Aine Lehane, YSPH: Host and parasite factors that impact seasonal malaria chemoprevention in children living in Burkina Faso. (faculty advisor: Sunil Parikh, MD, MPH)
- Madison Sharp, YSM: Assessing the relationship between chronic disease and depression among female Syrian refugees and Jordanians in Jordan. (faculty advisor: Kaveh Khoshnood, PhD, MPH)
- Avery Thompson, YSPH: Changes in nutritional status and physical activity over time and their associations with body composition: a follow

up survey of 4-7 year olds in Samoa. (faculty advisor: Nicola Hawley, PhD)

- Melinda Wang, YSM: Measuring the effects of social networks and health promoting partners on continuity of TB treatment among recently released HIV positive prisoners with a history of opioid use in Malaysia. (faculty advisor: Frederick Altice, MD, MA)

2016 Downs Funding Recipients

- Stephanie Baluka, PA: Barriers and Facilitators of Glycemic Control Among Disadvantaged Populations with Type 2 Diabetes in Mexico City. (faculty advisor: Rosana Gonzalez-Colaso)
- Paige Baum, YSPH: Extension: Longitudinal Analysis of Seasonal Rat Abundance and Activity in Association with Leptospirosis Incidence in Brazilian Urban Slums. Brazil (faculty advisor: Albert Ko, MD)
- Divya Chandra, YSPH: Isoniazid Preventive Therapy Uptake and Adherence in Two South African Clinics with Different Models of Integrated HIV/TB Care. (faculty advisor: Sheela Shenoi, MD)
- Sara Chronister, YSPH: Determining tuberculosis incidence through a retrospective cohort study of existing prevalence data and the South Africa national TB register. (faculty advisor: Ted Cohen, MD)
- Samara Fox, YSM: Assessing the impact of a clinical practice guideline for the management of traumatic brain injury patients on healthcare provider knowledge, attitudes, and practices at a referral hospital in Moshi, Tanzania. (faculty advisor: Karen Jubanyik, MD)
- Amandine Godier-Furnemont, YSM: Assessing Backlog in Surgical Care for Pediatric Anomalies in Uganda. (faculty advisor: Doruk Ozgediz, MD)
- Emily Hoff, YSM: Congenital Zika Syndrome: What is it and who gets it? Brazil. (faculty advisor: Albert Ko, MD)
- Katherine Rich, YC (BA/BS-MPH): Assessing the effects of psychosocial determinants of health on HIV treatment adherence and outcomes among a population of men who have sex with men in Lima, Peru. (faculty advisor: Rick Altice, MD)
- Jocelyn Rinne, YSN: Understanding the challenges to midwifery practice and education in a high volume setting in Kampala, Uganda. (faculty advisor: Allison Shorten, PhD, RN)
- Cynthia Shi, YSGS (Public Health): Role of stigma in a household contact tracing intervention for tuberculosis in Uganda: a mixed-methods exploratory study. (faculty advisor: Luke Davis, MD)

2015 Downs Funding Recipients

- Sarah Abusaa, YSPH: Aedes aegypti clusters as markers for future chikungunya risk: a comparison of peridomestic and wild mosquito populations in Montserrat. (faculty advisor: Leonard Munstermann, PhD)

- Danielle Bloch, YSPH: Impact of Autocidal Gravid Ovitrap (AGO) On Chikungunya Incidence in Salinas, Puerto Rico. (faculty advisor: Durland Fish, PhD)
- Paul Bourdillon, YSM: A retrospective cohort study of diagnosis and treatment of tuberculosis in high-burden prisons in Mato Grosso do Sul, Brazil. (faculty advisor: Albert Ko, MD)
- Patrick Bringardner, YSN: Acceptability of community-based TB care in Botswana. (faculty advisor: James Shepherd, MD, PhD)
- Emily Briskin, YC/YSPH: Seroprevalence Study to Identify Prior Leptospira Infection and Risk Factors for Exposure in Puerto Rico. (faculty advisor: Albert Ko, MD)
- Soledad Colombe, YSPH: Investigation of the burden of Q-fever and melioidosis in two agricultural provinces of Thailand. (faculty advisor: Albert Ko, MD)
- Heather Ferguson, YSPH: A Qualitative Assessment of the social media usage and sexual risk behaviors in MSM and Transgender women in Chennai, India. (faculty advisor: Trace Kershaw, PhD)
- Kara Fikrig, YC/YSPH: Development of Lures for the Passive Collection of Male and Female Aedes aegypti Mosquitoes for Use in the Eliminate Dengue Program. (faculty advisor: Durland Fish, PhD)
- Shaylen Foley, YSPH: Contraception Use in Female Sex Workers in Malaysia: Knowledge, Practices, and Barriers. (faculty advisor: Jeffrey Wickersham, PhD)
- Simone Ippoliti, YSN: Examining the Efficacy of a Sex Education Initiative in Trohilo, Nicaragua. (faculty advisor: Patricia Ryan-Krause, CPNP)
- Rebecca Lakew, YSPH: Impact of Alcohol on Households and Families in Trinidad and Tobago. (faculty advisor: Marcella Nunez-Smith, MD)
- Joseph Lewnard , YSPH: Pneumococcal and staphylococcal competition dynamics in the Palestinian Territories. (faculty advisor: Daniel Weinberger, PhD)
- Meher Makda, YSPH: Assessing the Role of Nurses in Primary Care for the Future Improvement and Expansion of Nursing Education and Practice in Bhutan. (faculty advisors: Julie Womack, APRN, PhD; Kaveh Khoshnood, PhD, MPH)
- Colette Matysiak, YSPH: Prevalence of drug resistant genes in Plasmodium isolated from humans and mosquitoes, Zimbabwe, ICEMR. (faculty advisor: Richard Bucala, MD, PhD)
- Renee Mehra, YSPH: Investigating prenatal care utilization, content, and quality in American Samoa: a qualitative study of the perspectives of women and prenatal care providers. (faculty advisor: Nicola Hawley, PhD)
- Courtney Pedersen, YSPH: Correlates of HIV Infection Among Soon To Be Released Incarcerated Women in Malaysia. (faculty advisor: Jeffrey Wickersham, PhD)
- Cara Safon, YSPH: Delivery Mode and Breastfeeding Outcomes among Women Giving Birth at a Major Teaching Hospital in León, Nicaragua: A Qualitative Study. (faculty advisor: Rafael Perez-Escamilla)

- Max Wang, YSPH: Macrophage migration inhibitory factor polymorphisms and tuberculosis disease susceptibility in KwaZulu-Natal, South Africa. (faculty advisors: Richard Bucala, MD, PhD; Sheela Shenoi, MD)
- Siyu Xiao, YSM: Communication in the Chinese doctor-patient-family relationship: expectations and experiences of surgery patients and their family members. (faculty advisor: Kaveh Khoshnood, PhD, MPH)

Year-Long Research Funding

Doris Duke Charitable Foundation - International Clinical Research Fellowships for Medical Students

The Office of Student Research at Yale University School of Medicine has been awarded a Doris Duke Charitable Foundation International Clinical Research Fellowship for medical students conducting research at selected sites in low or middle income countries. Up to 3 one-year fellowships will be awarded to medical students each year to study topics that significantly impact morbidity and mortality and are relevant to the international site including communicable diseases, non-communicable diseases, trauma, and maternal and child health. Students will be paired with two mentors, one at Yale listed on the Office of Student Research website and the second at the international institution also listed on the Office of Student Research website. The fellowship year will begin in July, with formal courses at Yale, followed by at least 8 months of research conducted at the international site. More information is available at: <http://medicine.yale.edu/education/osr/student/funding/oneyear/ddcf.aspx>

Yale Recipients:

- Louisa Lu (Thailand) 2018-2019
- Rejoice (Fari) Ngongoni (Uganda) 2016-17
- Gerneiva Parkinson (Trinidad & Tobago) 2015-16
- Flavia DeSouza (Jamaica) 2014-15
- Sarah Jin (Uganda) 2014-15

Global Health Equity Scholars Program

The Global Health Equity Scholars (GHES) program offers a unique international experience for postdoctoral fellows, and advanced PhD and professional school students. It provides one-year research training fellowship opportunities in global health at top-ranked, NIH-funded centers abroad.

The GHES program is one of five supported by the [Global Health Program for Fellows and Scholars](#) funded by the **Fogarty International Center** at NIH. This program brings together a consortium that includes the University of California, Berkeley, Florida International University, Stanford University, and Yale University.

This program supports a one-year mentored research fellowship for trainees to study slum-related health topics/challenges. Fellows will spend eight to ten months in low-resource settings at one of the 20 program project sites. The research topics can range from infectious diseases to non-communicable chronic diseases, environmental health, mental health, urban planning, engineering, education and others.

This fellowship is designed for citizens or permanent residents of the U.S. Low- and middle-income country scholars who work at a pre-approved fellowship international site are also eligible. The deadline for this round of awards is

November 15, 2018. For more information on eligibility, specific aspects of the fellowship award, and an application, please visit <http://ghes.berkeley.edu/>.

Recipients:

- Adeolu Aromolaran (2016-17)
- Samantha Kaplan (Cape Town, South Africa – 2015-16)
- Duncan Reid (Durban and Tugela Ferry, South Africa – 2014-15)
- Sheela Shenoj (2008)
- Libby Houle (2006)
- Jessica Beard (2006)

Fulbright Fellowship

This fellowship supports one year research programs, whether as part of formal degree programs or individual research, in over 140 host countries. For further information about the Fulbright at Yale, see:

<http://www.yale.edu/yalecollege/academics/fellowships/competitions/list/fulbright/index.html>

Founders Affiliate Medical Student Research Program

The purpose of the grant is to encourage medical students to consider a career in cardiovascular research. The need for new researchers in the health sciences, from basic science to human behaviors, is critical. This program is designed to provide students at the crossroads of career choices an opportunity to experience research first hand with an established investigator.

Awards for student stipends are made for 12 months for \$22,000 per year which includes 10% indirect cost.

Application deadline: Please contact OSR for deadline.

NIH - CTSA TL1 Yale Predoctoral Clinical Research Training Program

This is a one-year clinical translational research fellowship program awarded by the NIH through the Office of Student Research. The program is part of the NIH Roadmap initiative to train and fund more MDs to undertake training, research projects and eventually careers focused on clinical/translational research. To be eligible to apply you must be a U.S. Citizen or Permanent Resident.

How to Apply: Please notify Donna Carranzo at donna.carranzo@yale.edu of your intent to apply. *There is going to be a new process in place for applications for this fellowship – OSR will have more information in early October 2018.*

NIH Medical Research Scholars Program

A new training opportunity that blends the elements of two former programs (HHMI-NIH Research Scholars Program and NIH Clinical Research Training Program). This builds on the focus and goals of the NIH Clinical Research Training Program and the HHMI-NIH Research Scholars Program of training the next generation of medical researchers and providing research opportunities in basic laboratory, clinical, and translational research for medical and dental students.

Application is available on line at <http://www.cc.nih.gov/training/mrsp/index.html>

Application Deadlines: January 11, 2019 for submission to NIH on line.

NIH-National Institute of Diabetes and Digestive and Kidney (NIDDK) Diseases Medical Student Research Training Program

The National Institute of Diabetes and Digestive and Kidney Diseases conducts and supports research on many of the most serious diseases affecting public health. The Institute supports much of the clinical research on the diseases of internal medicine and related subspecialty fields as well as many basic science disciplines.

How to Apply

Please note that you will need to contact Donna Carranzo at donna.carranzo@yale.edu in the Office of Student Research as soon as you decide to apply for this grant.

IMPORTANT: Per the NIH guidelines for this fellowship opportunity: "if the proposed mentor is NOT already listed as a member of the training faculty on an NIDDK supported T32, then a request to appoint the mentor to the training grant must be submitted to the NIDDK program director for the relevant T32 prior to submission of the student's application, and approval must be obtained prior to submitting the application"

Application Deadlines - There are two NIH- NIDDK application deadlines yearly - **contact the Office of Student Research for the 2018-19 dates.**

Please review the NIH guidelines and instructions for this fellowship opportunity at <http://www.niddk.nih.gov/research-funding/process/apply/about-funding-mechanisms/t32/T32-MSRT/Pages/T32-medical-student-research-training-supplement.aspx>

CLINICAL ELECTIVE EXPERIENCES IN INTERNATIONAL SETTINGS

Clinical electives allow students who have completed their core clerkships to have a clinical experience in another health care system. The following clinical electives are available:

Argentina

Sanatorio Allende

Cordoba

Yale Mentor - TBD

Requirements: Language Assessment passed at intermediate or higher.

Duration: 4 weeks

Yale medical students will participate in rounds with the medical team, attend outpatient clinics, as well as round on the in-patient service units. In addition, there may be opportunities to observe and compare clinical activities at other community based public hospitals.

Students are required to speak Spanish on at least a high intermediate level in order to maximize their experience in Cordoba. Clinical rotations are currently available in Nephrology, Cardiology and Ob-Gyn.

The principle preceptor on this elective is Dr. Marcello Orias who did his fellowship training at Yale and has a faculty appointment in the Yale Department of Internal Medicine.

Participants:

- Leah McNally (2009)
- Thomas Morland (2009)
- Sumayya Ahmad (2010)
- Katherine Rose (2010)
- Jose Luis Gonzalez (2011)
- Natalie Spicyn (2011)
- Michael Ma (2012)
- Adelina Hung (2012)
- Marjorie Guerra (2012)
- Nyasha George (2013)
- Amy Schoenfeld (2013)
- Jonathan Levin (2013)
- Siobhan Case (2014)
- Matthew Marr (2014)
- Susan Maya (2014)
- Flavia DeSouza (2015)
- Taber Lightbourne (2017)
- Daniel Zheng (2017)
- Katherine Chuang (2018)
- Melody Hu (2018)

Chile

Pontificia Universidad Catolica de Chile (PUC)

Santiago, Chile

Yale Mentor – Dr. George Lister

Requirements: Language Assessment passed at intermediate or higher.

Duration: 4 weeks

PUC, a private not-for-profit university in Santiago, Chile, that includes health professional schools in the fields of medicine, nursing, and dentistry. The medical school, which is viewed as the top school in the country, has established relationships with other institutions in South America as well as worldwide, and is currently part of an international seven school educational consortium directed by the ECFMG. The medical school has a seven-year curriculum whereby students enter after high school and receive elements of undergraduate education combined with a foundation in biomedical science. The medical students have a gradually increasing clinical experience and the final two years are referred to as internship and resemble the clinical rotations during the latter years at Yale School of Medicine. Yale students will work in teams that include interns (6th and 7th year students) from PUC as attending physicians, in a manner similar to that in the US. Many of the senior leaders in the school received some of their medical education outside of the Chile, collaborate with colleagues in the US, are quite attuned to the educational curriculum for students in the US, and have fostered relationships with other institutions.

At PUC, there would be an opportunity to participate in a health care system that is organized in a manner that is different from the US and to experience **family-based primary care** for large populations of patients, emergency care in a large public hospital, or primary care in a private teaching clinic with resources very much focused on the education of students. Students must speak Spanish on at least an **intermediate-advanced level**. Language assessment required.

Participants:

- Natalie Lastra (2015)
- Olga Laur (2015)
- Jacob Siegel (2016)
- Alexander Domingo (2017)
- Kayleigh Herrick-Reynolds (2017)
- Talia Robledo-Gil (2017)
- James Smithy (2017)
- Aimee Alphonso (2018)
- Adam Brownstein (2018)
- Julia Raney (2018)

Colombia

Fundación Santa Fe de Bogotá

Bogotá, Colombia

Yale Mentor - Dr. Robert Rohrbaugh

Requirements: Language Assessment passed at intermediate or higher.

Duration: 4 weeks

The Fundación Santa Fe de Bogotá founded by two Yale Medical School alumni established a clinical elective program. Students can rotate at the FSFB main hospital or at the primary care clinic FSFB operates in a rural area just outside Bogotá. Both clinical sites demonstrate an impressive commitment to patient centered care and patient safety. In addition to learning about the specialty they choose for their clinical elective, students will have the opportunity to meet leaders at the hospital to learn how they ensure their clinical programs demonstrate the values of patient centered care and patient safety.

Clinical Responsibilities:

Clinical rotation sites are available depending on the student's particular interests. It is required that students have an intermediate level of fluency in Spanish, as rounds and daily activities will be conducted in Spanish. Clinical rotations at FSFB are 4 weeks long.

Participants:

- Kaysia Ludford (2014)
- Jorge Ramallo (2014)
- Maria Nardell (2014)
- Meredith Binford (2015)
- Billy Lockhart (2015)
- Susan Combs (2015)
- Tsion Aberra (2017)
- Sophie Chung (2018)

Dominican Republic

Pre-Clinical and Clinical

Instituto Tecnológico de Santo Domingo (Intec)

Santo Domingo, Dominican Republic

Yale Mentor - TBD

Requirements: Language Assessment passed at intermediate or higher (for 4-week Clinical Elective Only) ; Beginner Spanish encouraged for pre-clinical, but not required.

Duration: 4 weeks for **Clinical**; 1 week over spring break for **Pre-Clinical**

In 2013, a pre-clinical site was established in the Dominican Republic at the Instituto Tecnológico de Santo Domingo "Intec." The objective of this week long elective is to teach students about the delivery of health care in an international setting and the impact of social determinants of health in the Caribbean. Emphasis is given to the challenges and opportunities for providing care in a resource limited country and the major communicable and non-communicable diseases in the Dominican Republic.

A key component is the educational exchange with Intec students and faculty. Yale medical students are paired with Intec 4th year medical students and a Yale faculty member. Patient based teaching is provided at public and private hospitals in the morning; afternoons are spent in clinic providing free care to local uninsured workers. Additional education is provided via faculty didactics and Yale-Intec student presentations.

Student Participants:

- Robert Rock (2014)
- Christina Lin (2014)
- Reginald Severe (2014)
- Guilio Rottoro (2014)
- Julia Raney (2014)
- Daniel Zheng (2014)
- Tambudzai Kudze (2014)
- Paula Wu (2014)
- Ido Haimi (2015)
- Lovemore Kuzomunhu (2015)
- Jessica Minor (2015)
- Cassie Pan (2015)
- Anusha Raja (2015)
- Rahil Rojiani (2015)
- Daniel Shaw (2015)
- Lorenzo Sewanan (2015)
- Ignacio Cerdena (2016)
- Sascha Murillo (2016)
- Thais Faggion Vinholo (2016)
- Louise Lu (2016)
- Anusha Singh (2016)
- Keval Desai (2016)
- Sonia Taneja (2016)
- Emily Vancor (2016)
- Rachel Esparza (2016)
- Paul Abraham (2017)
- Emmanuella Asabor (2017)
- Monica Ferrer Socorro (2017)
- Christopher Han (2017)
- Ryan Handoko (2017)
- Briana Olamiju (2017)
- Kishan Patel (2017)
- Anuoluwapo Sopehyin (2017)
- Aishwarya Vijay (2017)
- Linda Li (2018)
- Tyler Shelby (2018)
- Linette Bosques (2018)
- Paul Bourdillon (2018)
- Seong Im Hong (2018)
- Sangwon Yun (2018)

Yale Faculty Participants:

- Dr. Daniel Federman (2013)
- Dr. Cynthia McNamara (2013)
- Dr. France Galerneau (2013, 2014, 2015, 2016, 2017, 2018)
- Dr. Anna Sfakianaki (2015, 2016)
- Dr. Cynthia Gneco-Wilamo (2015, 2016, 2017)
- Dr. Ali Suliman (2016)
- Dr. Lourdes Aviles Rios (2016)
- Dr. Yulanka Castro-Dominguez (2018)
- Dr. Nadia Ameen (2018)

Brown Faculty Participants:

- Dr. Julio Defillo (2013, 2014, 2015)

Students are able to do a four-week **clinical** rotation in either Internal Medicine, Surgery, Psychiatry, Ob Gyn, or Pediatrics.

Participants:

- Ken Hui (2015) - IMed
- Amanda Lu (2018) – Peds EM

Ghana

University of Ghana School of Medicine and Dentistry (UGSMD)

Accra, Ghana

Yale Mentor – Dr. Elijah Paintsil

Requirements: YSM Ultrasound elective (recommended)

Duration: 4-6 weeks

Established in 1962, UGSMD, was the first medical school in Ghana. The Ministry of Health, in 1998, initiated the establishment of a School of Allied Health Sciences to train graduate allied health Professionals. Programs for this school include physiotherapy, medical laboratory science and radiography. The Academic Board and the University Council approved this proposal in 1999. In the year 2001, this School came into being. An earlier Diploma in Medical Laboratory Technology also sponsored by the Ministry of Health in 1994 was phased out, with the birth of the School of Allied Health Sciences. The idea of creating a College of Medicine was mooted in 1994. Planning for the College took five (5) years. In 1997, the Academic Board of the University endorsed proposals from the UGMS to bring together Medical School, the School of Public Health, Noguchi Memorial Institute for Medical Research, the School of Allied Health Services and a School of Nursing as a College of Medical Sciences. On December 11, 1999, the University Council gave assent to the establishment of the College but changed the name to COLLEGE OF HEALTH SCIENCES. The partnership between UGSMD and Yale School of Medicine began in 2015.

Students wishing to do an elective in Ghana have the option to do a 4 or 6 week rotation in one of the following areas: Internal Medicine, Pediatrics, Ob/Gyn, Surgery and Anesthesia.

- Chris Marfo (2017)
- Aimee Alphonso (2017)
- Jennie Choe (2018)
- Elizabeth Ludwig (2018)
- Lucy Zhang (2018)

Indonesia

Not Available AY 2018-2019

Alam Sehat Lestari Clinic

Borneo, Indonesia

Yale Mentor - Dr. Kathleen White

Requirements: YSM Ultrasound elective (recommended)

Duration: 6 weeks

ASRI was founded by Dr. Kinari Webb, a Yale School of Medicine graduate, who developed this very innovative model of linking human health with the health of the rain forest. The staff of the ASRI program are all Indonesians. Fifteen to twenty western medical volunteers spend time at the clinic each year assisting with patient visits at the clinic, mobile clinic rotations, research, and training local medical staff. These volunteers are a critical part of the program's goal to build local medical capacity in Indonesia.

Medical students will be able to work with Dr. Webb if she is on site or with one of the volunteer physicians to treat patients both at the site of the clinic as well as on mobile clinic visits to communities in the rainforest. Students will also be able to

observe the rain forest conservation work that is being conducted on site and how the clinic attempts to play a role in salvaging the rain forest.

This is a low technology setting and so students will principally rely on history and physical exam skills. Learning to utilize Ultrasound technology before going on the elective would be very useful.

Students will usually be paired with an Indonesian student from Jakarta who will serve as the student's language and cultural broker. Students should be prepared for living conditions that accompany a clinic in a low income setting on the edge of a rain forest.

Participants:

- Jessica Crawford (2010)
- Amanda de la Paz (2010)
- Mei Elansary (2011)
- Alexandra Ristow (2012)
- Rachele Yarborough (2012)
- Alla Smith (2012)
- Elyssa Berg (2013)
- Julia Lubsen (2013)
- Austin Weiss (2014)
- Kai Swenson (2014)
- Flavia DeSouza (2015)
- Karl Grunseich (2015)
- Dame Idossa (2015)
- Andrew Young (2015)
- Alexander Domingo (2016)
- Whitney Soble (2016)
- John Gaudet (2017)
- Eunice Martins (2017)

Jamaica

University of the West Indies (UWI)

University Hospital

Kingston, Jamaica

Yale Faculty Mentor – Dr. Elijah Paintsil

Duration: 4 weeks

Our site in Jamaica is for Yale medical students who are interested in global health from a surgical perspective. Students will participate in surgical rounds at the University Hospital in Kingston. Paired with UWI students, Yale students will have the opportunity to work with Dr. Hilary Brown. Dr. Brown, a native of Jamaica, completed her surgical residency and later, fellowship at Yale.

Student will be housed in student housing on the Mona campus of UWI in Kingston.

Participants:

- Kaysia Ludford (2014)
- Chung-Sang Tse (2015)
- Gerneiva Parkinson (2017)

People's Republic of China

Xiangya Hospital System

Changsha, Hunan Province

Yale Mentor - Dr. Robert Rohrbaugh

Duration: 4 weeks

The Yale-China Association founded the Xiang-Ya (Hunan-Yale) Hospital and medical school over 100 years ago. Xiangya School of Medicine is a highly regarded, central government funded medical school. Facilitated by the Yale China Association health committee staff, we are able to develop elective rotations in many disciplines at Xiangya. This has been a truly bilateral exchange with Xiangya students, residents and faculty spending time on the Yale campus.

Changsha is a medium sized Chinese city of about 7 to 8 million people. About 1-2 million of these individuals have come to Changsha from the countryside to seek work. Students will be able to gain first-hand experience regarding the difficulties of providing health care for this population and experience some of the environmental challenges of rapid industrialization.

Selection will in part depend on finding a mentor who will be able to work with the student in that department. Traditional Chinese Medicine is a well-regarded independent department at the medical school and students may be interested in spending some time with these physicians.

Medical students in China tend to be in more of an observer role rather than being actively engaged in caring for patients. Thus, Yale students going to Xiangya should be prepared to round with the care team but not to have weight-bearing clinical responsibilities.

Knowledge of Mandarin would be useful in gaining a fuller understanding of the system of care but is not a requirement for the rotation. Xiangya will assign a medical student to assist non-Mandarin speakers.

Participants from Yale:

- Michael Alpert (2013)
- Ruijun Chen (2013)
- Wei Gui (2013)
- Oluwatosin Onibokun (2013)
- Nazlee Zeberdast (2013)
- Bingnan Zhang (2013)
- Harrison Bai (2013)
- Chineme Enyioha (2013)
- Timothy Law (2013)
- Adam Sang (2013)
- Kathleen Fenn (2014)
- Eric Kuo (2014)
- Rabeea Khan (2014)
- Daniel Lu (2014)
- Gloria Sue (2014)
- Qing Yang (2014)
- Caroline Ong (2014)
- Sabrina Khan (2014)
- Derek Kong (2015)
- Jia Liu (2015)
- Rebecca Vitale (2015)
- Amanda Wallace (2015)
- Sarah (Chaoying) Xu (2015)
- Daniel Barron (2016)
- Connie Cheng (2016)
- Raj Chovatiya (2016)
- Adesuwa Ighodaro (2016)
- Nicole Jawitz (2016)
- Oliver Jawitz (2016)

- David Zhu (2016)
- Elizabeth (Chen) Kurtz (2017)
- Edward Herman (2017)
- Lucy Liu (2017)
- Wendy Xiao (2017)
- Goran Micevic (2018)
- Allen Shih (2018)
- Alex Sun (2018)
- Siyu Xiao (2018)
- Genevieve Yang (2018)

Participants to Yale:

- Ji Li (2012)
- Chengyuan Song (2012)
- Yuan Liu (2012)
- Weiqing Wang (2012)
- Shiyu Chen (2013)
- Zijin Zhao (2013)
- Fei Shao (2013)
- Luo Zhou (2013)
- Feng Lin (2014)
- Yinzong Xiao (2014)
- Yuxi Tan (2015)
- Shixuan Liu (2015)
- Jingling Duan (2016)
- Xiaoke Lin (2016)
- Li Huang (2018)
- Xu Wang (2018)

South Africa

Tugela Ferry

Church of Scotland Hospital (CoSH)

KwaZulu Natal

Yale Mentor - Dr. Sheela Shenoj

Requirements: YSM Ultrasound elective (recommended)

Duration: 6 weeks

The Church of Scotland hospital was originally founded by missionaries at the turn of the century from Scotland. The name "Church of Scotland Hospital" (affectionately known at "CoSH") is historic, and only maintained to honour the Scottish missionaries who started the hospital in the early 1930s. In 1974 the KwaZulu government was formed. They have since taken over all the mission hospitals and changed them into government hospitals. The hospital is the health center of a district called Msinga, which seems to have its own climate and vegetation different from the surrounding affluent farmlands and forestry areas. Msinga is a little pocket of old and traditional Africa where Zulu people live, some holding to a traditional lifestyle which has not changed for 100s of years.

Although TB is the leading cause of death among HIV-infected patients in South Africa, care of the two diseases has been separate, leading to fragmented patient care and suboptimal patient outcomes. Dr. Gerald Friedland has worked on projects integrating care for HIV and TB and this is the focus of collaborative operational research projects in KwaZulu Natal. In addition, the discovery of XDR TB has been a focus of a more recent investigation. The surrounding area is hilly, mountainous, and very rural with one tarred road, dirt roads and paths, and humble family compounds. The site affords a genuine rural African medical experience.

While students will have protective gear to wear during clinical experiences at Tugela Ferry, students must consider that XDR TB is a potentially fatal disease. In particular, any student who may be immune-compromised should not consider this site for a clinical rotation.

The clinical experience will be largely in an outpatient clinic and will be supervised by Dr. Anthony Moll, Senior Medical Officer. Opportunities to work with home care workers providing DOT may also be available. Students have the ability to complete clinical electives outside of internal medicine at CoSH.

Participants:

- Johnathon Bernard (2009)
- Rachel Solomon (2009)
- Erica Mintzer (2009)
- Titilope Oduyebo (2009)
- Natalie Spicyn (2010)
- Badri Modi (2012)
- Soledad Jorge (2013)
- Michael Peluso (2013)
- Kavitha Radhakrishnan (2013)
- Charisse Mandimika (2013)
- Jordan Slosower (2014)
- Barbara Chaiyachati (2014)
- Emily Thomas (2014)
- Tiffany Yuh (2015)
- Ruth Wang'ondou (2015)
- Dame Idossa (2015)
- Akash Gupta (2015)
- Harry Chang (2015)
- Luis Rubio (2016)
- Joel Winer (2016)
- Samantha Kaplan (2016)
- Ravi Gupta (2017)

Thailand

Mettapracharak (Wat Rai Khing) Hospital
Yale Mentor - Drs. Ninani Kombo and Susan Forster
Requirements: YSM Ophthalmology 4-week elective
Duration: 6 weeks

The hospital is located in Nakornprathom province, adjacent to Bangkok, and approximately 40 minutes drive west of the city center. This province is well known for a number of historic sites, including Wat Rai Khing temple. Mettapracharak hospital is administratively part of the Department of Medical Services at the Ministry of Public Health.

Dr. Puwat Charukamnoetkanok, the hospital's director of international affairs, will serve as an on-site director of the exchange program.

The elective is offered to one or two Yale students at any given time, for a minimum of 6 weeks, during which they will be paired with an ophthalmology resident from Mettapracharak Hospital. The students will observe and participate in the care of the patients to the extent of their abilities, participating in rounds and other clinical activities including observation in the operating rooms. They will have the opportunity to develop hands-on surgical skills in the well-equipped microsurgery training center. They will also accompany the frequent outreach mission throughout Thailand when they occur during the rotation. Transportation on these missions will be provided by the hospital. Participating students are required to have completed the YSM Ophthalmology 4 weeks elective prior to the elective in Thailand.

Participants:

- Benjamin Erickson (2010)
- Narae Ko (2011)

- Sumayya Ahmad (2011)
- Xuejing Chen (2012)
- Esther Lee (2012)
- Julius Oatts (2013)
- Haben Kefella (2014)
- Wei Gui (2014)
- Bethlehem Mekonnen (2015)
- Peter Zhao (2015)
- Jessica Chen (2017)
- Jenny Dohlmán (2017)
- Wendy Li (2017)
- Nathan Pirakitkulr (2017)
- Angela Gauthier (2018)
- Anand Gopal (2018)

Uganda

Mulago Hospital

Makerere University

Yale Mentor - Dr. Tracy Rabin

Requirements: YSM Ultrasound elective (recommended)

Duration: 6 weeks

An affiliation between Yale and Makerere University in Kampala, Uganda, was established to place Yale attendings and residents at Mulago Hospital throughout the year, funded through the Yale Stanford/Johnson & Johnson Scholars in International Health Program. This is a bilateral exchange program with Ugandan students and faculty also spending time on the Yale campus.

Students, who are funded through grants from the Office of International Medical Student Education, will observe on several inpatient clinical services at the hospital. The hospital is severely under-resourced and so routine tests and procedures that would be available at Yale may not be able to be provided at Mulago. The Ugandan physicians utilize history and physical exam skills to establish diagnoses and follow patient progress. Physical exam rounds by expert clinicians will help Yale students hone their own physical exam skills. Medical students who do a clinical elective at Mulago will learn about the effects of the HIV epidemic on the Ugandan population. Many of the patients hospitalized at Mulago Hospital will have quite advanced presentation of illness and so students should prepare themselves for the experience that a significant number of patients admitted to the hospital may die in the hospital.

Language, history and cultural experiences will be provided through faculty lectures and interactions with the students. Students frequently utilize weekends to travel to other parts of the country.

Participants from Yale:

- Michael Dewan (2010)
- Jacob Brubacher (2010)
- Sonja Rakowski (2010)
- Ravi Kavaseery (2010)
- Qi Zheng (2010)
- Ali Batouli (2010)
- Marie Bewley (2010)
- Jana Halfon (2010)
- Daniel Solomon (2010)
- Carrie Thiessen (2010)
- Isaac Benowitz (2011)
- Michael Otremba (2011)
- Jocelyn Ronda (2011)
- John Thomas (2011)
- Odayme Quesada (2011)
- Grace Wanjiku (2011)
- Chantae Sullivan (2011)
- Kofi Buaku Atsine (2011)
- Deepali Dhar (2012)
- Amy Forrestel (2012)
- Kim Nguyen (2012)
- Kristel Carrington (2012)
- Aaron Feinstein (2012)
- Michelle Morales (2012)
- Oluwatosin Oniboku (2012)

- Michael Peluso (2012)
- Joshua Leinwand (2013)
- Alexandra Ristow (2013)
- Babita Panigrahi (2013)
- Aniruddh Patel (2014)
- Oluwarotimi Okunade (2014)
- Benjamin Margolis (2014)
- Gladys Rodriguez (2014)
- Charisse Mandimika (2014)
- Thomas Gilliland (2015)
- Sarah Jin (2015)
- Rabeea Khan (2015)
- Duncan Reid (2016)
- Minhee Sung (2016)
- Kathleen Yan (2016)
- Bianca Yuh (2016)
- Carla Lopez (2017)
- Azim Munivar (2017)
- Ava Yap (2017)
- Hadley Bloomhardt (2018)

Participants to Yale:

- David Mukunya (2012)
- Tony Orach (2012)
- Tadeo Kiiza (2012)
- Anna Nalumansi (2012)
- Haawah Nakandi (2013)
- Alex Kayongo (2013)
- Ruth Nabisere(2013)
- Benon Mugerwa (2013)

*Starting in 2014 students came during the start of the academic year

- Ibraim Ssemirimo (2014)
- Kenneth Ssebambulidde (2014)
- Denis Mugalu (2015)
- Margret Nakiwala (2015)
- Molly Mbaziira (2015)
- George Ssenyange (2016)
- Moureen Amuge (2016)
- Margaret Kyumulabi (2017)
- Sarah Kimuda (2017)
- Leonard Rotich (2017)
- Cosmas Karamuzi (2017)
- Andrew Semulimi (2018)
- Abraham Mukalazi (2018)
- Mariam Babita (2018)
- Ronah Namuwonge (2018)

Other International Clinical Opportunities

Zambia

Mwandi Hospital

Surgery

Requirements: *Student must have completed both surgical and medicine clerkships and express a strong interest in international health.*

Yale Mentor - Dr. Michael O'Brien

Dr. Michael O'Brien, Department of Surgery, makes an annual two-week trip to the village of Mwandi, on the Zambezi River in southwest Zambia, volunteering in the local Mwandi Hospital, a 50-bed rural facility. Dr. O'Brien takes one 4th/5th year medical student with him to assist in general surgical and medicine responsibilities.

Mwandi is midway between Livingstone and Sesheke, in the southwest corner of Zambia. The medical experience would primarily be surgical but students would be caring for patients with infectious and medical diseases as well.

For more information, contact Michael.Obrien@yale.edu. Please note that this is not an elective funded by OIMSE.

Participants:

- Heather McGee (2007)
- Jonathan Lu (2008)
- Jill Rubenstein (2009)
- Matthew Hornick (2010)
- Kiavash Nikkhuo (2011)
- Adam Sang (2012)
- Oluwarotimi Okunade (2013)
- Paul Bagi (2014)
- Lise Tchouta (2015)
- Joshua Rosen (2016)
- Valerie Luks (2017)
- Anusha Singh (2018)

CLINICAL ELECTIVE EXPERIENCES IN DOMESTIC SETTINGS

Arizona

Chinle Comprehensive Health Care Facility

Chinle, AZ

Yale Mentor – Dr. Peter Ellis

Duration: 4 weeks

The Chinle Comprehensive Health Care Facility (CCHCF) is based in Chinle, Arizona (Northeast Arizona near Canyon De Chelly National Monument). The CCHCF is a 60-bed hospital which serves as the health care hub for the region. The medical staff includes Family Physicians, Internists, Pediatricians, General Surgeons, OB/GYN's, Anesthesiologists, and a Psychiatrist. Health care services are provided to approximately 37,000 active users. Strong Navajo cultural traditions exist within the community, offering an opportunity to learn the Navajo language, or to learn about traditional Navajo medicine.

This Advanced Primary Care Elective is supervised by Steve Williams MD and colleagues provides an opportunity to work with Navajo on the reservation in a rural setting. Students appreciate working with traditional native American healers in a remote, beautiful landscape, addressing health needs created by poverty and injustice. Clinical rotations at CCHCF are 4 weeks long.

California

San Francisco Free Clinic (SFFC)

San Francisco, California

Yale Mentor – Dr. Peter Ellis

Duration: 4 weeks (priority is given to students requesting to do their Primary Care Clerkship at this site)

SFFC, was founded in 1993 by two family physicians. Recognizing that in a city of great medical resources, many people still went without care due to lack of insurance, the founders opened the free clinic to care specifically for this population. Drs. Richard and Tricia Gibbs closed their successful private practice and moved all their equipment into a modest townhouse in the Richmond District of San Francisco. Their next step was to seek support from the medical community. The response was overwhelming. Hundreds of physicians and several hospitals and other medical facilities offered to provide their services free of charge to clinic patients.

This Advanced Primary Care Elective is offered to senior students, who are expected to assume full responsibility for their patients, under the supervision of expert Attending's. Typically, students will perform a history and physical exam, formulate a complete assessment, and present the case to the Attending. After discussing the case, the student will perform the wrap-up, e.g., answer questions, agree on a management plan, follow-up, diagnostic tests, and medications. Students will find this an excellent opportunity to refresh and hone clinical ambulatory skills before Internship. Clinical rotations at SFFC are 4 weeks long.

Connecticut

HAVEN Free Clinic

New Haven, CT

Yale Mentor – Dr. Brad Richards

Duration: 2 to 4 weeks longitudinal

In the spring of 2004, a group of Yale health profession students assembled under the shared desire to focus their enthusiasm on serving the New Haven community while utilizing their health care skills and knowledge. The resolution of that initial assembly was to evaluate the need in New Haven for a student-run free clinic. The HAVEN Free Clinic opened its doors on November 12, 2005 with generous support from the Yale health professional schools.

This Advanced Primary Care Elective at the student-run free clinic serves predominantly Hispanic, adult uninsured persons. This is an opportunity for students to gain clinical experience and help serve an underserved population in an urban medical site where students will also help teach and supervise students earlier in their training. This longitudinal elective allows students to choose 8 or 16 Saturdays to work during the academic year, flexibly scheduled with oversight by the student leadership at HAVEN. Clinical rotations at HAVEN are 2 to 4 weeks longitudinal.

Tennessee

Grundy County, Tennessee

Family Medicine

Yale Mentor – Dr. Linda Mayes

Duration: 4-6 weeks

Grundy County, Tennessee is the location of our newest global health site. With a population of just under 14,000, it is the home of a vast recreational wilderness known as the South Cumberland State Park. Most of Grundy County is atop the Cumberland Plateau, averaging a height of around 1,800 feet above sea level. It is also the poorest county in the state, with the median household income at about \$25,000, nearly half of what the median household income is for the state of Tennessee.

For students interested in learning more about rural health in the United States, this rotation will provide students with exposure to family medicine by working with Dr. Michelle Val at the Mountain Medical Clinic, Pediatrician Dr. Amy Evans at the Sewanee Pediatric & Adolescent Medicine practice, and Tenzing Chounzom at Monteagle Internal Medicine clinic. Clinical rotations in Grundy County are 6 weeks long.

FUNDING CLINICAL ELECTIVES IN INTERNATIONAL SETTINGS

Yale Alumni Endowments

Eight endowments and gifts from generous alumni provide funding for medical students to complete clinical experiences in international settings. Each of these endowments have been developed to support travel and living expenses for a highly motivated medical student who wishes to do a rotation in an underdeveloped country or a country where there is a pressing health-care need. For more information, contact the Office of International Medical Student Education.

These travel awards and recent recipients are:

- Eric P. Kindwall, '60 International Clinical Rotation Fund
This fund supports travel and incidental expenses for an international clinical rotation for a highly motivated medical student who wishes to do their rotation in a developing country but lacks the means for such.
 - Allison Arwady, Mulago Hospital, Kampala, Uganda (2007)
 - Benjamin Erickson, Mettapracharak, Thailand (2010)
 - Jordan Slosower, Peru and Ecuador (2011)
 - Charisse Mandimika, Uganda (2014)
 - Brian Letzen, Argentina (2015)
 - Derek Kong, China (2015)
 - Karl Grunseich, Indonesia (2015)
 - Daniel Barron, China (2016)
 - Daniel Zheng, Argentina (2017)
 - Siyu Xiao, China (2018)
 - Angela Gauthier, Thailand (2018)
 - Anand Gopal, Thailand (2018)
 - Marquita (Kilgore) Nolan, Tennessee (2018)

- Daniel B. Stryer, MD Class of 1990 International Clinical Rotation Fund
This fund is intended to support the travel and living expenses for an international clinical rotation of a highly motivated medical student who wishes to do their rotation in an underdeveloped country or a country where there is a pressing health-care concern but lacks the means for such an experience.
 - Luis Rubio, South Africa (2016)
 - Edward Herman, China (2017)
 - Wendy Xiao, China (2017)
 - Gerneiva Parkinson, Jamaica (2017)
 - Wendy Li, Thailand (2017)
 - Nathan Pirakitkul, Thailand (2017)
 - Carla Lopez, Uganda (2017)
 - Alexander Domingo, Chile (2017)
 - Frances Grace Javier, Argentina (2018)
 - Aimee Alphonso, Chile (2018)
 - Adam Brownstein, Chile (2018)
 - Goran Micevic, China (2018)
 - Allen Shih, China (2018)
 - Sophie Chung, Colombia (2018)
 - Jennie Choe, Ghana (2018)
 - Hadley Bloomhardt, Uganda (2018)

- Susan Wolf, MD and William Green, MD Fund for International Clinical Rotations
This fund is intended to support the travel, living and preparatory expenses (e.g. immunizations, evacuation insurance, etc.) for an international health-related experience of a highly motivated medical student(s) or MD/PhD student(s) who lacks the means for such an experience. It is to support an international clinical opportunity that exposes students to under-served populations.
 - Rachel Laff, Mulago Hospital, Kampala, Uganda (2007)
 - Sumayya Ahmad (2010)
 - Esther Lee, Thailand (2012)
 - Xuejing Chen, Thailand (2012)
 - Sarah Jin, Uganda (2015)
 - Flavia De Souza (2016)
 - Elizabeth (Chen) Kurtz, China (2017)
 - Eunice Martins, Indonesia (2017)
 - Azim Munivar, Uganda (2017)
 - Mehida Alexandre, Argentina (2018)
 - Amanda Lu, Dominican Republic (2018)

- Mitchell Edson MD, Fund for International Clinical Rotations
This fund is intended to support the travel, living and preparatory expenses (e.g. immunizations, evacuation insurance, etc.) for an international health-related experience of a highly motivated medical student(s) or MD/PhD student(s). It is to support an international clinical opportunity that exposes students to under-served populations.
 - Tyler Dodds, Peru (2010)
 - Marjorie Guerra, Cordoba, Argentina (2012)
 - Sarah Xu, China (2015)
 - Flavia DeSouza, Indonesia (2015)
 - Samantha Kaplan, South Africa (2016)
 - Tsion Aberra, Colombia (2017)
 - Ravi Gupta, South Africa (2017)
 - Lucy Liu, China (2017)
 - Melody Hu, Argentina (2018)
 - Alex Sun, China (2018)
 - Lucy Zhang, Ghana (2018)

- Maria Turner, MD & Raymond W. Turner, MD 1958 International Fellowship. This fellowship will cover the costs incurred for travel, expenses, immunizations, for a medical student seeking an international experience, with a preference for clinical experiences.
 - Sarah Lee, Keele University, England
 - Temidayo Fadelu, Keele University, England
 - Hale Season, Peru (2010)
 - Michael Ma, Cordoba, Argentina (2012)
 - Kaysia Ludford, Kingston, Jamaica (2014)
 - Jennifer Guo, Barbados (2015)
 - Ken Hui, Dominican Republic (2015)
 - Raj Chovatiya, China (2016)
 - James Smithy, Chile (2017)
 - Juan Rodriguez-Guzman, Colombia (2017)
 - Genevieve Yang, China (2018)

- Howard A. Minners, M.D. 1957 International Fellowship
The Minners fellowship will fund the travel and living expenses for an international health-related experience for a student, resident or faculty member.
 - Thomas Morland, Cordoba, Argentina (2009)
 - Regina Myers, Keele, UK (2011)
 - Mona Guo, China (2015)
 - Amanda Wallace, China (2015)
 - Jia Liu, China (2015)
 - Anna Sfakianaki, Fac.to Dominican Republic (2016)
 - Cynthia Gneco-Wilamo, Fac. to Dominican Republic (2016)
 - Alyssa Nylander, Botswana (2017)
 - Yulanka Castro-Dominguez, Fac.to Dominican Republic (2018)
 - Nadia Ameen, Fac. to Dominican Republic (2018)

- The Major José Jamil Miranda Memorial Fund for Clinical Rotations
This fund is to assist Yale School of Medicine students who are pursuing a short-term clinical, public health, or research experience, by enabling the exploration of an area of medicine or public health in a unique and under-served setting. While an international experience is preferred and encouraged, the location may also be domestic.
 - Jordan Slowshower, Peru and Ecuador (2011)
 - Anne Beckett, Haiti (2014)
 - Regina (Melendez) Nagarajan, Peru (2015)
 - Jacob Siegel, Chile (2016)
 - Ava Yap, Uganda (2017)
 - Katherine Chuang, Argentina (2018)
 - Julia Raney, Chile (2018)
 - Elizabeth Ludwig, Ghana (2018)
 - Yale-INTEC Practice Based Learning Elective, 6 pre-clinical students the Dominican Republic (2018)

- Schwartz Fellowship
This fellowship is to support the travel, housing, medications and immunizations, evacuation insurance, visa and HIV Prophylaxis expenses for an international clinical rotation of a highly motivated medical student.
 - Connie Cheng, China (2016)
 - Aimee Alphonso, Ghana (2017)
 - John Gaudet, Indonesia (2017)
 - Samantha Kaplan, Uganda (2017)
 - Taber Lightbourne, Argentina (2017)
 - Chris Marfo, Ghana (2017)
 - Talia Robledo-Gil, Chile (2017)
 - Jenny Dohlmán, Thailand (2017)
 - Yale-INTEC Practice Based Learning Elective, 9 pre-clinical students the Dominican Republic (2017)
 - Yale-INTEC Practice Based Learning Elective, 6 pre-clinical students the Dominican Republic (2018)

The Albert Schweitzer Fellowship

Each year since 1979, The Albert Schweitzer Fellowship has selected four senior medical students to spend three months working as Fellows at the Albert Schweitzer Hospital in Lambaréné, Gabon on clinical rotations. Fellows are eligible for pediatrics or medicine rotations, and work as junior physicians, supervised by hospital medical staff. Beginning in 2007, The Albert Schweitzer Fellowship will select and send up to two Public Health Fellows to serve at the Albert Schweitzer Hospital in Lambaréné, Gabon. Public Health Fellows will work with the Hospital's Community Health Outreach Program, which provides village-based health care, including maternal/child health, HIV/AIDS education and prevention, TB education and follow-up, and malaria prevention and treatment. Involvement in one or more outreach projects of the Hospital's world-renowned Medical Research Unit (www.lambarene.org) may be possible. The Albert Schweitzer Fellowship provides complete funding for students (airfare, room, board, immunizations, etc.). Information on the Albert Schweitzer Fellowship is available at: <http://www.schweitzerfellowship.org>.

Past recipient:

- Lorky Libaridian (2004)
- Rachel Laff (2006)

Benjamin H. Kean Traveling Fellowship in Tropical Medicine

The American Society of Tropical Medicine and Hygiene has established a fellowship in Dr. Kean's name, administered by the ASTMH Clinical Group (American Committee on Clinical Tropical Medicine and Traveler's Health - ACCTMTH), that will provide travel expenses for medical students who arrange clinical tropical medicine or tropical medicine research electives in areas afflicted by tropical diseases. Round-trip airfare (best-price ticketing) and up to \$1000 toward living expenses will be provided. Kean Fellows will be required to prepare and present reports describing their activities. <http://www.astmh.org/awards-fellowships-medals/benjamin-h-keen-travel-fellowship-in-tropical-medi>.

CDC - Hubert Global Health Fellowship

Available for research as well as clinical electives.

This fellowship is administered through the Centers for Disease Control (CDC) and Prevention Foundation and provides an opportunity for third and fourth year medical students to gain public health experience in an international setting. Hubert fellows spend four to twelve weeks in a developing country working on a priority health problem in conjunction with CDC staff. Through these experiences, students establish relationships with and receive training from recognized experts from CDC and other national and international health agencies.

Additional information can be found at:

<https://www.cdc.gov/hubertfellowship/application.html>.

OPPORTUNITIES IN THE "FIFTH YEAR" FOR GLOBAL HEALTH

Many YSM students elect to take a "fifth year," typically between the third and fourth years of the curriculum. During this year students' complete clinical electives, research, or service work domestically and abroad, and/or enroll in alternative degree programs (e.g. MPH, MBA, etc). The fifth year is often funded in full through various fellowships available to Yale students. If you are interested, the Office of Student Research will work with you to decide which opportunities and funding source is best for you. Many students take this year to participate in global health related work; some additional and Yale-specific opportunities are listed on the following pages.

USING GLOBAL HEALTH PRINCIPLES IN THE NEW HAVEN COMMUNITY

We strongly believe that we should utilize the principles of global health to help people here in New Haven face health disparities.

Opportunities for Service

The contacts for the groups listed below change annually and some information may not have been available at the time of printing. Please visit http://medicine.yale.edu/education/msc/student_groups/index.aspx for more current contact information.

1. **Addiction Medicine Collaborative**

The mission of Addiction Medicine Collaborative (AMC) is to collaboratively promote and enhance professional and public education concerning substance use, to promote and foster the interests of medical students, health professionals and advocates for substance use assistance and recovery and to promote scholarly inquiry concerning substance use disorders as they impact health care professionals and the public whom we serve. Contact: Lindsay.Eysenbach@yale.edu and Nicolas.Muñoz@yale.edu

2. **American Medical Student Association**

The American Medical Student Association is an advocacy organization for the interests and beliefs of the medical students of the United States, including advocating improved global health in any way possible. Locally at Yale, AMSA runs a student blog that engages students to write about issues in global health and health policy. Additionally, AMSA has a program that pairs health professional students at Yale with visiting medical students on rotations from other countries to help these students make connections here at Yale and help our own students develop connections in international medicine. For more information visit: <http://www.amsa.org/chapters/active/>

3. **CARE: Community Alliance for Research and Engagement/ Neighborhood Health Project**

CARE's research tackles chronic disease by focusing on social, environmental, and behavioral risk factors. CARE conducts longitudinal intervention studies in New Haven neighborhoods and schools, including cohort studies and randomized trials that are designed to measure, better understand, and help reverse these trends. CARE seeks projects that aim to improve health and relate in some way to major risks for chronic disease by impacting access to healthy foods and healthy eating and increasing physical activity. For more information visit <http://care.yale.edu/>

4. **Columbus House**

The Columbus House is a shelter serving hungry and homeless individuals in the New Haven community. Every Tuesday and Thursday evening, Yale medical, PA, and nursing students assist a local physician's associate in providing medical treatment, consultation and screenings to the shelter's residents. Visit: <http://www.columbushouse.org/get-involved/volunteer/>

5. **China Health Network**

The Yale China Health Network coordinates regular trips to NYC Chinatown to conduct health screenings. If you are interested in Hepatitis B screening in Chinatown, you can volunteer at Charles B. Wang Community Health Center <http://www.cbwchc.org>.

6. **Downs International Health Student Travel Fellowship**

The Downs International Health Student Travel Fellowship honors Wilbur G. Downs (1913 - 1991), M.D., M.P.H., Professor of Epidemiology and Public Health, Yale University School of Medicine, renowned physician/scientist in the fields of tropical medicine and infectious diseases, mentor to many students and colleagues. The Fellowship supports Yale students who undertake biomedical, medical, nursing and/or public health research in developing countries. The Downs Fellowship Committee awards Downs Fellowships based on merit. Downs Fellows carry out research in the context of their host countries' culture, health problems and resources. The Fellowship provides funds for transportation to and from overseas project sites, cost of visas, site-specific drugs, immunizations, evacuation insurance and a modest stipend. Although students may initiate projects, Yale faculty members provide intellectual support, practical assistance and links with host-country sponsors who serve as mentors during the Fellows time abroad. The choice of research topic and methodological detail are joint responsibilities of applicants and advisors. Any member of the Yale faculty may sponsor applicants.

Contact: Anjuli Bodyk at anjuli.bodyk@yale.edu.

7. **The Global Health Interest Group**

The Global Health Interest Group is for students interested in global health issues, doing clinical electives abroad, collaborating with international students and faculty, and conducting global health research. Please contact the Global Health Coordinator, Rebeca Vergara Greeno at rebeca.vergaragreeno@yale.edu for more information. To be added to the listserv, please visit <http://mailman.yale.edu/mailman/listinfo/globalhealth>.

8. **HAVEN Free Clinic**

The HAVEN Free Clinic is organized by students from Yale School of Nursing, Yale School of Medicine, Yale School of Public Health and Yale Physician Associate Program. The clinic is dedicated to serving as a sustainable free clinic that provides uninsured adults in New Haven neighborhood with primary care, wellness education, and assistance in securing health care. HAVEN further aims to educate Yale health professional students about primary care and the value of working in health care teams; to allow students to gain experience in community health; and to expose students to the challenges of managing patient care with limited resources. Our model is unique in its inclusion of students across the disciplines of medicine, nursing, physician's associates, and public health. Teams of senior and junior students see patients with guidance from faculty preceptors. Currently, we see an average of 20 patients per week. HAVEN operates Saturdays from 9am-12pm out of the Yale Physicians Building. Visit havenfreeclinic.org for more information or hfcrecruitment@gmail.com.

9. **HealthCORE**

HealthCORE is an organization of Yale School of Public Health that seeks to work both domestically and internationally to promote the health of underserved communities. An annual international trip to Latin America for spring break is planned and organized through the year to provide public health education and other services. We also provide various opportunities to work in promoting health and well-being within New Haven. Contact: yalehealthcore@gmail.com

10. **Integrated Refugee and Immigration Services (IRIS)**

The mission of IRIS is to help refugees and other displaced people establish new lives, regain hope, and contribute to the vitality of Connecticut's communities. A refugee is someone who has left his or her country of origin because of a well-founded fear of persecution for reasons of race, religion, nationality, membership in a particular social group, or political opinion. IRIS resettles approximately 200 refugees each year. Currently, over half of IRIS's refugee clients come from Iraq. Others come from Afghanistan, Congo, Cuba, Ethiopia, Iran, Somalia, Sudan, and other countries. IRIS services include provision of material needs (housing, furniture, food, clothing, and medicine), intensive case management, daily English class for adults with on-site childcare, educational programs for school-aged youth, assistance accessing medical care, legal services, and employment services. The IRIS Health and Wellness Program provides new refugee arrivals with the tools they need to achieve improved health and wellness in their new home: quick access to quality health services; access to culturally competent and linguistically appropriate services; knowledge about preventive medicine, wellness topics, and management of chronic conditions; and an improved health care system that better supports their transition to becoming Connecticut's newest residents. It takes time for refugees to adjust to a new culture and learn about U.S. institutions, and to learn English. IRIS helps them in their initial adjustment period, and helps them achieve self-sufficiency. The contributions that volunteers, donors, and other community supporters provide are essential for IRIS to achieve its mission. For more information about refugees, IRIS, and getting involved, visit www.irisct.org Contact: Laurel McCormack, Volunteer & Acculturations Programs Coordinator at volunteer@irisct.org

11. **Public Health Coalition (PHC)**

The Mission of the Public Health Coalition is to promote public health awareness, education, and service in the Yale and New Haven communities. PHC works toward this goal through the individual initiatives of and collaboration between its member groups, in addition to the board's own activities. PHC spreads awareness of public health issues by publicizing volunteer opportunities and events through its weekly electronic newsletter, read by over a thousand Yale College students and faculty. PHC educates students about public health issues through its weekly lunch series, College Masters' Teas, panels of public health experts, and National Public Health Week. PHC provides individual group mentorship through its liaisons, publicity through its public health event calendar, and further information and opportunities for interdisciplinary discussion on its website and blog. As a member of Dwight Hall, it provides volunteer and service information through their booklet of volunteer opportunities, participation in campus service initiatives, and volunteer trips. Visit <http://yalephc.org/volunteer/>.

12. Mobile Migrant Farm-Workers Health Clinic

This clinic is maintained primarily by students attending the University of Connecticut, School of Medicine, and secondarily by students at Yale. The clinic travels to farms in Windsor, Middletown, Enfield and Suffield and elsewhere to provide healthcare to migrant workers. It was established in 1998 and runs on Tuesdays, Wednesdays and Thursdays, 6:30 pm to sundown, from mid-June to October. Contact Information: Hartford County Medical Association: 1-800-541-5083.

13. Student Global Health and AIDS Coalition (SGHAC)

The Student Global Health and AIDS Coalition seeks to mobilize a student movement at Yale, in partnership with students nationally and internationally, to make claims upon governments, corporation, and civil society through education, leadership training, informed advocacy and direct action. Over the past year and summer, Yale SGHAC has been incredibly active publishing op-ed pieces, hosting advocacy events, meeting with local representatives, and collaborating with various organizations and student groups. Yale SGHAC demands, and will continue to demand, sufficient resources, effective prevention, and guaranteed access to both AIDS and other life-saving treatment and care as a matter of moral urgency. By forming a global youth movement, the organization believes it will rise to the challenge of fighting the injustices rooted in the struggle against AIDS and global healthcare. For more information, please visit Yale's Global Health Initiative's website: <http://globalhealth.yale.edu/student-organizations>

14. The Whitney and Betty MacMillan Center for International and Area Studies

The Whitney and Betty MacMillan Center for International and Area Studies at Yale is the University's principal center for teaching and research on international affairs, societies and cultures around the world. It provides eight undergraduate majors, including six focused on world regions: African, East Asian, Latin American, Middle East, Russian and East European Studies, and South Asian Studies. Two others are focused globally, one on International Studies and the other on Ethnicity, Race, and Migration. At the graduate level, the MacMillan Center provides four master's degree programs. Three are regionally focused on African, East Asian, and European and Russian Studies, and one is globally focused on International Relations. Open to all graduate and professional students at Yale, the MacMillan Center sponsors seven graduate certificates of concentration. The Councils on African, European, Latin American and Iberian, and Middle East Studies provide four regionally focused certificates. The International Affairs Council provides three: Global Health, International Development Studies, and International Security Studies. Language training is an integral component of each of the degree and certificate programs. The MacMillan Center provides opportunities for scholarly research and intellectual innovation; encourages faculty and student interchange; brings international education and training to teaching professionals, the media, businesses, and the community at large; sponsors more than 700 lectures, conferences, workshops, and other activities each year; and produces a range of academic publications. Contact: Marilyn Wilkes, Director, Public Affairs at (marilyn.wilkes@yale.edu).

15. Unite for Sight

Unite For Sight's Global Impact Corps (<http://www.uniteforsight.org/volunteer-abroad>) is an immersive global health experience for students and for professionals. All volunteers participating in Unite For Sight's international programs are Global Impact Fellows. Global Impact Fellows support and learn from the partner clinics' talented medical professionals who are social entrepreneurs addressing complex global health issues. Through hands-on, structured training, Global Impact Fellows gain a comprehensive understanding about best practices in global health and social entrepreneurship. Global Impact Fellows gain skills and are nurtured to become new leaders in global health, and they receive a Certificate in Global Health & Program Delivery. Global Impact Fellows participate daily with local doctors to eliminate patient barriers to care and to facilitate comprehensive year-round eye care for patients living in extreme poverty. They assist with patient education, visual acuity screening, patient intake, distributing the glasses and medication prescribed by the local eye doctors, and other important support tasks. They also have the opportunity to observe the surgeries provided by the local doctors. Additionally, Global Impact Fellows may participate in the Global Impact Lab, an optional program for those interested in pursuing global health research. For example, current Global Impact Fellows are pursuing research studies about medication management, the use of visual resources for patient education, traditional medicine practices, and patient barriers to care. International volunteering takes place in India, Ghana, and Honduras. <http://www.uniteforsight.org/volunteer-abroad> For Spring 2019, they are helping to organize a large global health conference to be hosted at Yale. Please see www.uniteforsight.org.

16. Universities Allied for Essential Medicines (UAEM)

UAEM's mission is to unite students, faculty, researchers, and university administrators in an effort to broaden access to essential medicines for those most in need. Their efforts include university patent licensing reform, public campaigns, policy advocacy, and bringing interested parties together for conferences and other events. Yale's UAEM chapter warmly invites participation students from absolutely any field, particularly those with an interest in treatment, research, policy, or public advocacy in the in the interest of the poor and underserved. UAEM is a small organization, which means that every single member has the opportunity to make significant contributions to the efforts of the UAEM and to help influence the activities and overall direction of the organization. Visit their website at: www.essentialmedicine.org
Contact: yaleuaemchapter@gmail.com or visit their Facebook page: <https://www.facebook.com/YaleUAEM/info>

17. U.S. Health Justice Collaborative

The U.S. Health Justice Collaborative is an interdisciplinary student group created in 2015 to build upon the work started within the USHJ Course. The three main goals of the collaborative are to strengthen relationships between health professional students at Yale who are committed to domestic health equity; to deepen awareness about injustices that exist between patients and providers, between providers and other providers, and between healthcare institutions and the communities they serve; and to partner with the New Haven community to understand and contribute to advocacy efforts promoting health equity in the city. For more information, visit our <http://yaleushj.wixsite.com/ushj>.

18. Wednesday Evening Clinic Interpreters

The Wednesday Evening Clinic is the longest running student-run clinic at Yale, currently run out of the Primary Care Center on Howard Avenue. The clinic is in need of talented Spanish speakers to serve as interpreters for its Spanish speaking patients. The time commitment is just a few Wednesdays a semester and you can make a big difference in the lives of patients. For more information visit:<https://medicine.yale.edu/education/curriculum/advancedtraining/clinicalesctives/wec/>

19. World AIDS Day Planning Committee

The World AIDS Day Planning Committee is in charge of coordinating activities across all of the health professional schools and beyond for the week of World AIDS Day. Members will network with leaders in global health at Yale to plan activities for the week including a special panel for the Global Health Seminar in honor of World AIDS Day.

20. YING (The Yale International Nursing Group)

YING (The Yale International Nursing Group) is a forum where all Yale nursing students interested in international health can join in discussions related to the role of nursing in global healthcare and work with like-minded students to explore opportunities to practice nursing internationally while at YSN and beyond. YING members are dedicated to the integration of global health into the YSN curriculum, organizing events related to nursing and global health, accessing international opportunities through Yale University as a whole, and forming of a community of YSN students, faculty, and alumni participating in global work. This group meets about once every month for general discussion and project organization, committees meet as-needed to plan activities and a subset of students also meets once monthly for journal article discussions. Visit: <http://nursing.yale.edu/students/student-life/student-groups>

Language Opportunities

Spanish for Health Care Professionals

Spanish for Health Care Professionals is a hybrid course offered in the Fall by the Yale Center for Language Study. This hybrid course will meet two times a week: one time in a traditional classroom on campus (face-to-face) and another time online. The course fee is \$150 (includes non-refundable registration fee of \$75) for students enrolled in a participating Yale Department or Program. The course fee for students not enrolled at Yale is \$200, payable to the Yale University prior the start of the first class. Required Placement Test: You will be given a brief placement test meant to gauge your current abilities and to assist us in placing you in an appropriate course. The placement test, including a video clip and a brief digital recording component, will ideally take no longer than 20 minutes of your time. If you have any questions, please contact: isp@yale.edu.

Medical Spanish Abroad

Many students also choose to go abroad to study at language institutes. One that has been used by numerous Yale students is the Asociación Centro de Estudios de Español Pop Wuj, which is based on Guatemala. Information can be found at: <http://www.pop-wuj.org>. There are of course many others opportunities out there; this is simply one that Yale students have had good experiences with.

Yale Language Center / Directed Independent Language Study

This program is designed to give students the opportunity to study languages that are not currently offered through traditional classroom instruction at Yale. More information can be accessed on their website at <https://cls.yale.edu/our-programs>.

Foreign Language Tutoring

The CLS offers foreign language tutoring for Yale students. Any Yale student--whether undergraduate, graduate, or professional--can attend free weekly Chinese, French and Spanish tutoring drop-in sessions. For more information visit: <https://cls.yale.edu/programs/foreign-language-tutoring>.

Student Organizations

Nyaya Health/Possible Health

Nyaya Health is a 501(c) (3) nonprofit organization working to improve the health of poor communities in Nepal through the provision of medical and public health services. For more information contact: answers@nyayahealth.org or <https://possiblehealth.org/>

Cents of Relief

Cents of Relief, a 501(c) (3) nonprofit organization, endeavors to allow vulnerable populations, particularly women in prostitution and their children, access to healthcare and prevention from human trafficking. Their projects are dedicated towards providing educational opportunities, improving healthcare, and stopping human trafficking in hopes of permitting these individuals to enjoy the basic necessities of life. For more information visit their website at <http://www.centsofrelief.org> .

Physicians for Human Rights (PHR)

The goal of PHR's Student Program is to advance health professional students' understanding and lifelong investment in health and human rights activism, and to cultivate their unique contributions as advocates promoting health and human rights locally, nationally and globally. More information can be found on their website at <http://physiciansforhumanrights.org/>

Universities Allied for Essential Medicines (UAEM)

UAEM works with student and faculty groups across the US, Europe and Canada. We assemble teams of experts in matters of intellectual property, technology transfer, pharmaceutical R&D, and healthcare delivery in resource-poor settings, in order to construct creative new approaches to improving the development and delivery of public health goods. For more information, see their website at <https://uaem.org/>

The American Medical Student Association (AMSA)

AMSA is the oldest and largest association of medical students in the United States and works on a number of socially conscious campaigns. For more information about the organization, see their website at www.amsa.org, or to find out about what Yale AMSA is doing, contact The Office of Student Affairs.

US Health Justice Collaborative

The US Health Justice Collaborative brings together students and faculty who are interested in issues of health disparities and social justice, including social determinants of health, homelessness, food insecurity, addiction, discrimination, and access to healthcare. The group hosts lectures, discussions, and workshops to help students prepare themselves to address implicit bias, practice physician advocacy, connect with New Haven agencies and organizations, and do meaningful work with vulnerable populations. <http://yaleushj.wixsite.com/ushj> .

Listservs

In addition to those below, please refer to the “Lecture Series” section, as many of those institutions have parallel listservs.

AMSA Listservs

AMSA runs a large number of listservs focusing on many different facets of medicine. Among these is global health, and several other related listservs. To sign up, go to <https://www.amsa.org/listservs/>

For other listings, please visit the Medical Student Council website: http://medicine.yale.edu/education/msc/student_groups/ .

PREPARATION FOR GLOBAL HEALTH EXPERIENCES

Before leaving on your trip abroad, you should visit the Yale and the World website which provides excellent resources to help you plan your trip. The website address for individual travelers is:

<http://world.yale.edu/individual-travel> .

Before leaving on your trip abroad, you should:

1. Check your passport. Will it expire soon and need to be [renewed](http://travel.state.gov/content/passports/english/passports/renew.html) (<http://travel.state.gov/content/passports/english/passports/renew.html>)? If you do not have a passport, [apply now](#) (there may be long waits for U.S. passports).
2. Check the visa requirements for each country you are visiting to see if you need a visa to enter that country. <http://cibtvisas.com/index.php?login=40634>
3. Make an appointment with the [Travel Health Clinic at Yale HEALTH](#), 203-432-0093. The Clinic provides pre-travel care including consultation, education, vaccination, travel medications, and, if necessary, referrals.
4. Understand any changes in your health insurance coverage while you are abroad.
 - a. Do you have coverage for routine care?
 - b. Are there higher copayments?
 - c. Is there prescription coverage?
 - d. Are there excluded activities or geographic areas?
 - e. Obtain additional coverage if needed.
5. Check to make sure you can bring your medication abroad. If you can, pack enough medication to last for your entire stay. Not all medications are available in every country.
6. Familiarize yourself with political, health, crime, and other safety-related conditions prevailing in any country and specific locations within country that you will be visiting. In addition to [UHC Global Travel Assistance](#) and the [U.S. State Department](#), other resources include:
 - a. [Study Abroad Safety Handbook produced by the Center for Global Education](#)
 - b. [Resources and advice on cultures](#)
 - c. [Association for Safe International Road Travel](#) (Contact the Office of Risk Management if you wish to obtain a country specific road travel report)
7. **Attend program pre-departure orientation.** REQUIRED for participation.
8. Be familiar with the [University's policies and procedures](#) regarding conduct and travel.
9. [Register Your Travel](#) (<http://world.yale.edu/services>)
10. Provide emergency contact information to and leave a copy of your passport/visa, with the Office of International Medical Student Education.
11. Leave a copy of your itinerary with your family.
12. Print out your Yale [UHC Global ID card](#) with information on what to do in an emergency (http://ogc.yale.edu/UHCGlobal_Program). Keep your UHC Global ID card in your wallet or passport in the event of an emergency. Fill in your specific contact information on the bottom of the card.
13. [Understand what to do in an emergency.](#)

14. Carry a cell phone that you know will work at your destination(s) or at least a pre-paid phone card.
15. Familiarize yourself with Yale's International Toolkit (<http://world-toolkit.yale.edu/>).

Upon Arrival in your Host Country, you should:

1. Attend any orientation upon arrival in country.
2. Register with the local U.S. Embassy or consular service.
3. Stay in regular contact with advisor, colleagues, and family and friends.

INTERNATIONAL MEDICAL STUDENTS

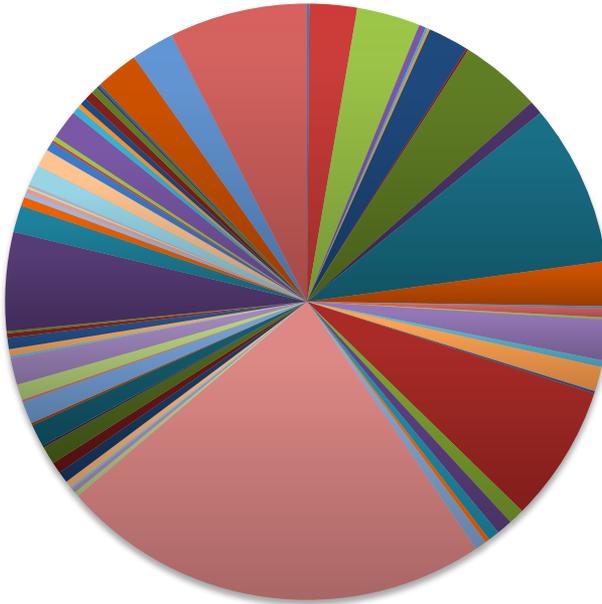
Visiting Student Elective Program Overview

The Office of International Medical Student Education supports a very active Visiting Student Elective Program (VSEP) for students from other countries and other schools to come to Yale for clinical electives. The program currently receives approximately 500 applications and accepts about 125 international students into the elective program each year.

International students have come primarily from Europe and from South Asia. We are hoping to attract more applications from students in Africa and Latin America. Overall, students from over 50 foreign countries have participated in the VSEP in the last 5 years. US citizens attending an international school are not eligible for the VSEP.

Opportunities exist for Yale students to help welcome and mentor international medical students. Please contact the Office of International Medical Student Education if you are interested. Students from the following countries have participated in the VSEP during the past three years:

2008 - 2018



■ Antigua 0%	■ Argentina 3%	■ Australia 3%
■ Austria 0%	■ Barbados 0%	■ Bahraini 0%
■ Brazil 2%	■ Cameroon 0%	■ Canada 4%
■ Chile 1%	■ China 9%	■ Colombia 2%
■ Cyprus 0%	■ Czech 0%	■ Denmark 0%
■ Dominican Republic 2%	■ Ecuador 0%	■ Egypt 1%
■ France 0%	■ Germany 7%	■ Ghana 1%
■ Greece 1%	■ Honduras 1%	■ Hungary 0%
■ Iceland 1%	■ India 23%	■ Indonesia 0%
■ Iran 0%	■ Iraq 0%	■ Ireland 0%
■ Israel 1%	■ Italy 1%	■ Jamaica 1%
■ Japan 0%	■ Jordan 1%	■ Kuwait 0%
■ Lebanon 1%	■ Lithuania 0%	■ Malaysia 1%
■ Mexico 1%	■ Netherlands 0%	■ New Zealand 0%
■ Nigeria 1%	■ Norway 0%	■ Oman 0%
■ Pakistan 5%	■ Peru 1%	■ Phillipines 0%
■ Poland 0%	■ Portugal 0%	■ Puerto Rico 0%
■ Romania 0%	■ Saudi Arabia 1%	■ Singapore 1%
■ Spain 0%	■ Sri Lanka 0%	■ South Africa 0%
■ South Korea 2%	■ Sweden 0%	■ Switzerland 0%
■ Syria 0%	■ Taiwan 0%	■ Thailand 0%
■ Trinidad 0%	■ Tunisia 0%	■ Turkey 2%
■ Uganda 2%	■ UK 7%	

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*Scan the QR code to join our
Global Health Interest Group
listserv to receive information on
upcoming opportunities.*