GLOBAL HEALTH
AT YALE SCHOOL OF MEDICINE
2015-16 TENTH EDITION
Global Health
At Yale School of Medicine

2015-16
Tenth Edition

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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.

One 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, who oversees 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 Anne Kellett, Administrative 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 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!

August, 2015

Anne, Nickia, Bob and
The Global Health Working Group
IN THE CLASSROOM: SEMINARS AND COURSES

Global Health Seminar 2015-16  (GH 700) (EPH 591 01)

Time: Monday’s 5:30-7:00 PM
Location: Hope 110, Except November 9: Hope 216
Participants: The GH Seminar is open to the general public, but ONLY those required to take the course for credit or to meet your school’s Certificate requirement, should register

The Global Health Seminar is a year-long, weekly elective course intended for students in the health professions to develop an understanding of key aspects of global health research and practice. The course features faculty from across the health professional schools and other global health experts from around the world. Its participatory and collaborative nature provides a rich environment for interdisciplinary dialogue. The goal of the course is for students to attain a good understanding of key issues upon which they may base future research, service, and clinical pursuits in the field of global health. The objectives of the course are for students to:

- Analyze current global health challenges taking into consideration their social, political, economic, legal, and human rights dimensions
- Evaluate and discuss responses to global health needs by integrating information provided by invited speakers and skills from this seminar as well as those from other courses taken at respective programs
- Assess the global health governance infrastructure and understand the importance of international collaboration
- Explain and propose solutions for addressing ethical challenges and issues of feasibility in implementing health interventions
- Develop skills to collaborate with health professionals working in clinical medicine, nursing, and public health by engaging in a participatory learning environment with invited speakers and Yale faculty, staff, and students
- Discuss challenges and opportunities of professional development, both in terms of potential pathways and essential values in global health

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). In addition to faculty advisors from the School of Medicine, Nursing, Public Health and Physician Associate Program, a program manager from YSPH supports the Seminar. Historically, the Global Health Seminar has also been led by strong student input and engagement and is supported by a student-leadership team representing all the health professional schools.
Over the course of the fall semester, the Global Health Seminar will focus on three thematic modules: the social determinants of health, emerging issues in global health, and global health advocacy. For each class, 1 - 2 readings will be posted on Classes V2 prior to each session. Students are encouraged to read the articles and articulate questions and ideas for class discussion. After each session, students can learn more about the invited lecturer and their career path over an informal dinner. The success of each session is dependent upon active participation and interaction.

Faculty Advisors

YSM: Gerald Friedland, M.D., Professor of Medicine and Epidemiology
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YSPH: Michael Skonieczny, M.A., Executive Director, Global Health Leadership Institute
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PA: Rosana Gonzalez-Colaso, Assistant Professor, Internal Medicine, PA Program
   •  rosana.gonzalez-colaso@yale.edu

Program Manager

Anjuli Bodyk, Program Manager, Global Health Concentration at YSPH (on leave Fall Term)
   •  anjuli.bodyk@yale.edu
   •  ghc.ysph@yale.edu

Global Health Seminar Student Leadership Group

Gabrielle Daniels, YSPH
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Courtney Pedersen, YSPH
   •  courtney.pedersen@yale.edu
Urs Weber, YSM
   •  urs.weber@yale.edu
Syllabus and schedule for the full AY 2015-16 can be accessed through the following link:
http://medicine.yale.edu/ysph/global/curriculum/seminar.aspx

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>9-4-2015</td>
<td>Global Health 501 in 60 Minutes or Less</td>
<td>Richard Skolnik (YSPH)</td>
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<td>9-14-2015</td>
<td><strong>Global Health History and Architecture</strong></td>
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<td>9-14-2015</td>
<td>The Role of Interpersonal Relationships on Health</td>
<td>Trace Kershaw (YSPH)</td>
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<td>9-21-2015</td>
<td>The American Health Care Paradox</td>
<td>Elizabeth Bradley, Faculty Director, GHLI (YSPH)</td>
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<td>9-28-2015</td>
<td>Bringing Evidence to Action to Improve Community Health</td>
<td>Jeannette R. Ickovics (YSPH)</td>
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<td>10-5-2015</td>
<td><strong>Global Health Opportunities Fair: Organized by the Global Health Working Group</strong></td>
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<td>10-12-2015</td>
<td>Integrating Care for NCDs in Uganda</td>
<td>Jeremy Schwartz (YSM) and Tracy Rabin (YSM)</td>
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<td>10-19-2015</td>
<td>Aging and Health</td>
<td>Becca Levy (YSPH)</td>
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<td>10-26-2015</td>
<td>Addressing Community Level Mental Health in Ghana</td>
<td>Andres Barkil-Oteo (YSM) and Michelle Silva (YSM)</td>
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<td>11-2-2015</td>
<td>Substance Abuse and Integrated Care</td>
<td>Doug Bruce (YSM and Hill Health Ctr)</td>
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<td><strong>Global Health Policy and Advocacy</strong></td>
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<td>11-9-2015</td>
<td>Shaping Policy Interventions</td>
<td>Gregg Gonsalves (YLS: GHJP)</td>
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<td><em>Note: Class will be in Hope 216 this week</em></td>
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<td>11-16-2015</td>
<td>Advocating for Global Health in Washington, DC</td>
<td>Erin Hohlfelder, Policy Dir. for GH, ONE</td>
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<td>11-30-2015</td>
<td>Mobilizing Public, Private and Non-Profit Sectors to Eliminate HIV in Ghana</td>
<td>Elijah Paintsil (YSM) and Michael Cappello (YSM)</td>
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<td><em>Cosponsored with the Topics in Global Medicine course</em></td>
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Module Workshops (Spring Term)

- Students taking the course for credit are required to sign up and attend at least one of three workshop sessions. Most workshops will be a seminar discussion of a particular case that the speaker and module leader shall lead.
- Sign-ups are on a first-come first-served basis starting the first week of the seminar. Priority will be given to students who have yet to sign-up for a session.
- Each workshop will accommodate 20-25 students to ensure strong discussion and interaction.
Topics in Global Medicine 2015-2016 (GH701)

Description
*Topics in Global Medicine* is a student-led, 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.

Most 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.

*Clinical language should be avoided or (if necessary) explained well in Topics presentations given the broad array of student backgrounds and clinical experiences.*

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.
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.
Course Schedule (2015-16 TBA)
Time: Thursdays from 5:30-7:00 PM
Location: TAC 203 (unless indicated otherwise)
Dinner will immediately follow each session and will offer an informal time for students and faculty to interact.

FALL Session will begin Thursday, September 10th with an Introduction by Faculty Director, Dr. Jeremy Schwartz.

Session Format
Each collaborative Topics session will have the following format:
5:30-5:45pm Presentation by students- introduction of themes, representative case presentation
5:45-6:20pm Faculty lecture
6:20-6:30pm Questions & Answers
6:30-6:45pm Small group activities
6:45-7:30pm Dinner and informal discussion

Credit
Credit for the course is granted by the fulfillment of requirements as per the applicable program’s certificate or track. Currently, credit is available through YSN and YSM only.

Attendance
We urge all course participants to attend the course as regularly as possible. Poor attendance reflects poorly on the course in the eyes of faculty speakers. Additionally, strong attendance will make the interactive aspect of the course highly rewarding. Those students taking the course for credit must achieve the attendance rate designated by their program. Attendance will be recorded immediately prior to and following each session. Course participants must check in in-person with the designated student leader.

Course Leadership
The Course Director is Dr. Jeremy Schwartz (YSM). The student leadership team is selected annually from interested students who have completed the course. This team is part of the Global Health Working Group (GHWG), a group of students from all Yale Health Professional schools composed of the Student Coordinator for Global Health (representing YSM’s Office of International Medical Student Education) and the student leadership groups of Topics in Global Medicine and the Global Health Seminar. The GHWG meets during the year to coordinate the two courses.

The current student leadership team includes:
- Simone Ippoliti (YSN)
- Marcella Elpers (PA)
- Lovemore Kuzomunhu (YSM)
- Belinda Nhundu (YSM)
Course Website
http://classesv2.yale.edu/portal/
Log in using Yale CAS Login. Reading materials will be posted prior to each session. Podcasts will be posted following each session. Email announcements and course communications will be handled through this website.

Please follow these instructions to register for the course:
1. Go to classes*v2 website: https://classesv2.yale.edu/portal
2. Choose Yale CAS login
3. Click on the “membership” option under the “my*workspace” tab
4. Click on “joinable sites”
5. Search for “Topics in Global Medicine” course and join

If you do not register via classes*v2, you will not receive important course communication!

Evaluation
- Details of participants, including school, level of training, and prior experience in global health are collected for evaluation purposes.
- Participants are asked to fill out a simple questionnaire at the end of the course to evaluate the topics, format and overall effectiveness of the course.
- All evaluations will be done anonymously.
Global Mental Health Program

Offered by: Yale Department of Psychiatry

Courses open to all: Global Mental Health Elective

Summary: The purpose of the global mental Health Program (GMHP) is to ensure all interested trainees are knowledgeable about global mental health and to provide additional elective curricular options for those trainees with a special interest in global mental health. The additional elective, which is open to the entire Yale community, provides a more in-depth understanding of global mental health research as well as focus on issues of health disparities, psychiatric care and mental health in international settings, public mental health, disaster/post-trauma psychiatry, immigrant mental health, addiction in international settings, and many other topics.

Global Mental Health Elective: This is a bimonthly (approximately the first and third Wednesdays at 4 pm in TAC Rm N203) lecture series. The goal will be to conduct this in an informal and social setting geared for trainees at all levels, providing program participants opportunities to get to know colleagues with similar professional interests and to learn about the variety of global mental health activities within the Department of Psychiatry and elsewhere. We will have an invited lecture series on the first Wednesday of each month and a focus on conducting GMH scholarly work on the third Wednesday of the each month. This is designed to promote networking, idea sharing, and information about possible future projects.

Contact: To sign up for our list serve, please go to: http://medicine.yale.edu/psychiatry/education/residency/training/gmhp/index.aspx Or, for more information, contact Carla Marienfeld, MD at carla.marienfeld@yale.edu
Yale Pediatric Global Health Track

Offered by: Department of Pediatrics

Courses open to all: Yale-New Haven House Staff, Attendings, Fellows, and Yale students

Summary: The purpose of the pediatric global health track is to ensure all residents in the Yale pediatric residency are knowledgeable about global health and to provide additional elective curricular options for those residents and any other interested trainees with a special interest in global health. These additional electives provide a more in-depth understanding of global health as well as focus on issues of health disparities, in international settings, and many other topics. By utilizing the values of social justice and cultural awareness, we will develop leaders in the field of global health whose research and clinical efforts will reduce the effects of disparity in global settings as well as in New Haven.

Program Goals: Our primary goal is to provide residents with individualized residency experiences that will prepare them for careers that improve health for underserved children, either in the USA or abroad.

Education: We support didactic education, international electives, and domestic clinical experiences that foster interest in global health and provide residents with hands-on experience with clinical practice in resource-limited settings.

Service: Global Health begins in New Haven. We encourage residents to work with community organizations in New Haven that provide services for immigrant families, and to work with community pediatricians who have an interest in Global Health.

Research: We help match residents with clinical, basic science, and public health research projects that address key issues in international pediatric health. We encourage residents to participate in national conferences, academic societies, and publication.

Collaboration: We value local and international relationships that are beneficial to both partners.

Course Topics:

Determinants of Health and Healthcare Delivery

Overview of Global Child Health

Global disease burden

Health care delivery systems

Contact: For course dates, updates and syllabus, e-mail Pedichiefs@yale.edu or visit http://medstation.yale.edu/pedres/globalhealth/index.html
Global Health Courses at Yale

Yale offers a range of global health courses for undergraduate, graduate and professional students across campus. Email ghi@yale.edu for a global health course not listed at http://ghi.yale.edu/courses. For more information, please see http://students.yale.edu/oci/search.jsp.

Current Global Health courses include offerings from the School of Public Health, School of Medicine, the Law School, School of Forestry, 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.
GLOBAL HEALTH LEADERSHIP INSTITUTE

The Yale Global Health Leadership Institute (GHLI) creates and supports innovative education and research programs to improve human health and health equity around the world. GHLI brings together researchers, practitioners, and policymakers to define new areas of research and debate critical issues in global health. GHLI develops and evaluates interventions to improve health and health equity in and across complex systems; builds understanding of leadership, management, and governance in diverse contexts; and integrates evidence across sectors and disciplines to improve health and health equity globally. GHLI can help conceptualize projects among faculty, convene and build relationships, and provide other support. GHLI translates research to improve health and health equity around the globe through publication, teaching, and field programs. With a particular emphasis on strengthening health systems, GHLI partners with universities, foundations, and other non-profit agencies to develop and support collaborations in Brazil, Cambodia, Ethiopia, Ghana, Rwanda, South Africa, Tanzania, Uganda, the United Kingdom, and the United States.

Opportunities for Involvement

GHLI Internships

A range of internship opportunities are available for students to support GHLI staff in the administration, development, and coordination of GHLI projects and programs. This includes research and programmatic support for its in-country programs.

GHLI Forum for Change

GHLI convenes senior health practitioners from around the world to facilitate collaborative solutions in strengthening health systems. Multidisciplinary delegations of country representatives, Yale faculty, and others utilize team-based leadership experiences and work together to craft strategies that address priority health issues in their respective countries. GHLI and Yale faculty continue their engagement with each country through activities and workshops tailored to each delegation’s specific needs.

GHLI Forum for Change Fellows

GHLI gives students the opportunity to work with country delegations on a range of global health issues during the GHLI Forum for Change. Fellows support country delegations, Yale faculty, and GHLI staff on a variety of activities, ranging from pre-forum research and documentation to development of delegation work plans during the Forum. Following the Forum, GHLI fellows travel to their assigned country for an 8 to 10 week in-country experience to support their delegation with implementation efforts.
GHLI Contact Information

GHLI Executive Director: Michael Skonieczny
Email: michael.skonieczny@yale.edu

GHLI Program Manager: Shirin Ahmed
Email: shirin.ahmed@yale.edu

www.ghli.yale.edu
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 earn the Certificate?

To earn the Certificate, students must declare their participation by completing the application located at the following link no later than November 1st of their graduation year: http://medicine.yale.edu/globalhealth/yale/certificate.aspx

If you are graduating in 2016, the deadline is November 1, 2015.

If you are not graduating in 2016, you can still apply at any time this cycle to declare your interest in the program and start building your portfolio.

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 1 of the graduating year.

REQUIREMENT 1: Global Health Coursework

Complete the following four coursework requirements.

1. Global Health Seminar (recommended, 1st year). 75% attendance, submit 2 module projects. Provide a 1-2 page summary of your educational experience in relation to global health.

2. Complete one of the following (a, b, or c):
   2a. Topics in Global Medicine Elective (recommended, 2nd year). 75% attendance.
- If you complete a presentation for the course, submit presentation and provide a 1-2 page summary of your educational experience in relation to global health.
- If you do not complete a presentation for the course, submit a 4-5 page summary of your experience in the course and include a case study on an issue related to tropical medicine.

2b. Global Mental Health Elective (recommended, 2nd year). 75% attendance, submit presentation, and provide a 1-2 page summary of your educational experience in relation to global health.

2c. An elective course related to global health offered by another graduate school at Yale (recommended, 2nd or 5th year). Submit all coursework for inclusion in your portfolio, and provide a 1-2 page summary of your educational experience in relation to global health. A comprehensive list of courses can be found at [http://ghi.yale.edu/courses](http://ghi.yale.edu/courses).

3. Medical Microbiology (2nd year YSM core curriculum). Submit evidence of having passed the course and a 1-2 page summary of your educational experience in relation to global health.

4. Epidemiology and Public Health (2nd year YSM core curriculum). Submit electronic copy or outline of course presentation, a 1-2 page summary of your educational experience in relation to global health, and evidence that you have passed the qualifier for the course.

**REQUIREMENT 2: Scholarly Work**

Complete one of the following:

a. Submit your medical thesis based on your original research in a topic of importance in the field of global health. Attach a 4-5 page reflection paper outlining the social, political, economic, and cultural dimensions of your work, the relevance of your topic to global health, and the implications your results have for the field.

b. Conduct research (including, but not limited to, basic science, clinical, educational, ethics, and public health/epidemiology research) that focuses on an important topic in global health. If this work is not your thesis, provide a 4-5 page multidisciplinary report on your research, including the social, political, economic, and cultural context of the work and the relevance of the results to understanding a specific topic in global health.
REQUIREMENT 3: International Clinical Experience

Participate in at least one international or cultural clinical experience during the 3rd, 4th, or 5th year. Possible electives include, but are not limited to, those offered by the Office of International Medical Student Education. All electives must be approved for inclusion by Dr. Rohrbaugh beforehand. Upon completion of the elective, provide a 4-5 page reflection paper on your experience in global health for inclusion in your portfolio. This may be the same paper that you are required to complete for the rotation.

REQUIREMENT 4: Language/Culture Appreciation

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

a. Conducting research or providing healthcare services in a language other than English. Provide a 4-5 paper reflecting on this experience.

b. Appropriately utilizing a translator in a healthcare interaction in an international setting as a part of your International Clinical Elective or Scholarly Work. Provide a 4-5 paper reflecting on this experience.

c. If your international work involves an English-speaking population, reflect on your experience with the population’s customs and culture. Provide a 4-5 page paper reflecting on this experience.

REQUIREMENT 5: Global Health Leadership

Complete one of the following:

a. Serve for 1 academic year as a member of the Global Health Working Group and work to organize one of the following global health education activities: a) lead the organization of the Global Health Seminar; b) lead the organization of the Tropical Medicine Elective, the Global Mental Health Elective, or another global health activity; or c) be selected to be the Global Health Student Coordinator for OIMSE. Provide a 4-5 page paper summarizing your involvement and reflecting on the challenges and opportunities it presented.

b. Serve for 1 academic year as a leader of another student organization that directly addresses global health issues internationally or locally. Provide a 4-5 page paper summarizing your involvement and reflecting on the challenges and opportunities it presented. Sample organizations include, but are not limited to, the HAVEN Free Clinic Leadership Board, Universities Allied for Essential Medicines (UAEM), Integrated Refugee & Immigrant Services (IRIS), etc. (see the Global Health Booklet for a list of more organizations.)
REQUIREMENT 6: Additional Global Health Experience

Complete one of the following:

a. Another didactic elective in global health (in addition to the four courses in Requirement #1.) Submit all coursework for inclusion in your portfolio, and provide a 1-2 page summary of your experience in the course.

b. Another scholarly project in global health (including, but not limited to, basic science, clinical, educational, ethics, public health/epidemiology research.) This must be a different project and topic from Requirement #2. Provide a 4-5 page multidisciplinary report on your research, including the social, political, economic, and cultural context of the work and the relevance of the results to understanding a specific topic in global health.

c. Another international or cultural clinical experience in global health (in addition to the elective in Requirement #3.) Provide a 4-5 page reflection paper on your experience for inclusion in your portfolio.

d. Another experience in global health, approved by the Office of International Medical Student Education. Provide a 4-5 page reflection paper on your experience for inclusion in your portfolio. The US Health Justice course may be used to meet this requirement.

For more details on the requirements, please visit: http://medicine.yale.edu/globalhealth/yale/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; there are many others scheduled regularly and this list is far from comprehensive.

Lecture Series

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. Dr. Michael Cappello, a pediatric Infectious Disease specialist at YSM, has directed the World Fellows Program since 2007. 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 http://worldfellows.yale.edu.

“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 http://cira.yale.edu/events

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 Schell Center for International Human Rights at Yale Law School
The Orvill 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 (http://www.law.yale.edu/intellectuallife/schellevents.htm), or by signing up for their listserv by sending an email to schell.law@yale.edu.

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 www.yale.edu/bioethics. 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 Carol Pollard, Associate Director, Interdisciplinary Bioethics Center, at carol.pollard@yale.edu.
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 and scheduled for 4:30 PM. When they are held in the Fulton Room in Sterling Hall of Medicine, there will be tea at 4:00. A schedule is available at: http://medicine.yale.edu/histmed/events. For further information: www.yale.edu/hshm/ , or (203) 432-1365.

Yale and the World
The “Yale and the World” website (http://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.

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. Global Health Justice Lunches occur the Second Tuesday of the Month; 12:10 p.m. For non-GHJP Fellows, please contact GHJP Coordinator, Meredith.Berger@yale.edu if you are interested in attending one of the lunches. Visit http://www.yaleghjp.org/ for more information.

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: http://jackson.yale.edu/.

2015-2016 Conferences at Yale
Please refer to Yale University Bulletin to learn about ongoing conferences: http://events.yale.edu/opa

Unite For Sight Eighth Annual International Health Conference
Global Health & Innovation 2016 in New Haven.
April 16-17, 2016
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. David Greer
Ob/Gyn – Dr. Lubna Pal
Pediatrics – Dr. Elijah Paintsil
Psychiatry - Dr. Carla Marienfeld
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;
Director of pediatric residents’ Global Health Track
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.

Elizabeth Bradley, Ph.D.
Professor of Public Health (Health Policy)
Dr. Bradley is the director of the Yale global health initiative and the Yale Global Health Leadership Institute and has mentored Yale students in international research. Her primary research interests include health services with an emphasis on management and implementation research, quality improvement and health
She currently conducts research in Ethiopia, China, the U.K., South Africa and Tanzania.

**R. Douglas Bruce, MD, MA, MSc**  
Assistant professor of Medicine and Epidemiology  
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 World Fellows Program;  
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 anthelminthic 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.

**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**  
Director, Yale AIDS Program  
Professor 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.

**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.

Asghar 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. Rosenbeck 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.

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.

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.

Marietta Vázquez, MD  
Associate Professor of Pediatrics, Infectious Diseases  
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 encompass 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 – distributed by the Office of Student Research is a great resource to identify potential faculty mentors and thesis advisors. It is available in the Office of Student Research, 310 EHS Harkness, and you can access it on-line at, [http://medicine.yale.edu/education/osr/index.aspx](http://medicine.yale.edu/education/osr/index.aspx) 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. Current stipends are $2,250 per month.

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.

Downs Fellowship
Listed below are the past three years Downs Fellowship recipients from Yale School of Public Health and the Schools of Medicine and Nursing and the subject of their research:

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 Ovitraps (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: Jeffery 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)

2014 Downs Funding Recipients

Gabriella Adjapon-Yamoah, YSN: Barriers and Facilitators to Advanced Practice Nursing: A Qualitative Case Study in Enugu State. University of Nigeria (faculty advisor: Linda Pellico)


Jose Gutierrez, YSN: Does a Nutritional Program Result in Continued Progress in Children After Discharge of the Program? Identifying Factors That Lead to Success. (faculty advisor: Patricia Ryan-Krause)
- Gili Hrusa, YSPH: Characterizing Leptospira Shedding in Rat Populations of an Urban Slum in Salvador, Brazil (faculty advisor: James Childs)
- Forrest Jones, YSPH: Assessing the relationship between tropical cyclones and outbreaks of typhoid fever in Fiji. WHO West Pacific Regional Office (faculty advisor: Albert Ko)
- Alder Keleman, FES: Agrobiodiversity and Food Security in Cochabamba, Bolivia: Household uses of native and traditional crops to buffer risk and promote good nutrition (faculty advisor: Mayur Desai)
- Krishnamurthi, Nirupama YSPH: Quantitative study examining the relationship between malnutrition and the prevalence and severity of Chagas disease in children aged 5 years and under in Sierra Nevada de Santa Marta, Colombia (faculty advisor: Mayur Desai)
- Tambudzai Kudze, YSM: Polymerase Gamma as a Biomarker for HIV Treatment-Experience in Individuals with Mitochondrial Toxicity. University of Ghana Medical School (faculty advisor: Elijah Painstil)
- Thomas Lazzarini, YSM: A Study of Guarani-Kaiowa Suicide in Mato Grosso do Sul, Brazil (faculty advisor: Robert Rohraugh)
- Kelsey B. Loeliger, YSM/YSPH: Understanding Why HIV-positive Patients Eligible for Antiretroviral Therapy Fail to Initiate Treatment: A Qualitative Study In KwaZulu-Natal, South Africa (faculty advisor: Gerald Friedland)
- Luis E. Maldonado, YSPH: The Effects of Dietary Protein Intake on Drug Response among Ghanaian Children Infected with Hookworm. Noguchi Memorial Institute for Medicine, Ghana (faculty advisor: Debbie Humphries)
- Trena I. Mukherjee, YSPH: Assessing the moderating effects of stigma in receiving medication-assisted treatment for opiate drug users in prison. University of Malaya (faculty advisor: Fredrick Altice)
- Katharine A. Owers, GS: Using GPS to quantify human movement patterns affecting environmental exposure to leptospirosis in an urban slum environment in Salvador, Brazil (faculty advisor: Albert Ko)
- Julia Raney, YSM: A Descriptive Analysis of the Impact of Multidrug Antiretroviral Therapy on HIV-1 Infected Infants in Porto Alegre, Brazil (faculty advisor: Brian Forsyth)
- Michelle Roh, YSPH: Prevalence of host genetic factors influencing primaquine use in malaria - endemic areas of South western Uganda (faculty advisor: Sunil Parikh)
- Ronnye Rutledge, YSM: Assessment of health-seeking behaviors, mental health indicators and provider perceptions of transgender adults in Malaysia (faculty advisor: Frederick Altice)
• Aalyia Sadruddin, GS: AS-Lived Experiences with Caregiving: An Ethnographic Study of Older Adults in Rwanda (faculty advisor: Catherine Panter-Brick)
• Andrew G. Schneider, YSPH: An Ecological Survey the Environmental Persistence of Leptospira interrogans in Urban Slum Conditions in Salvador, Brazil (faculty advisor: Albert Ko)
• David N. Suwondo, YSM: Effectiveness of a text message alerting system for local emergency first aid responders in a gang-violent, resource-constrained setting in South Africa (faculty advisor: Karen Jubanyik)
• Pauline N. Trinh, YSPH: Chagas Disease in Merida, Mexico (faculty advisor: Maria Diuk-Wasser)
• Kimberly S. Vasquez, YSPH: Barriers and Facilitators to Antiretroviral Therapy Adherence in HIV/AIDS Patients in a Small Clinic in Leon, Nicaragua (faculty advisor: Robert Dubrow)
• Ava Yap, YSM: Assessing the Health Status and Food Security [DLH1] of Drug-Dependent patients on the Buprenorphine Maintenance Program in Kota Bharu, Malaysia and Food Security or Dietary Diversity? (faculty advisor: Tongzhang Zheng)

2013 Downs Funding Recipients

• Ryan Boyko, GS (EPH): The impact of domestic animals on hookworm transmission in rural Ghana (Faculty Advisors: Michael Cappello and Alison Galvani)
• Mary D'Alimonte, YSPH: Identifying Positive Deviance Behaviors to Improve Child Health and Nutrition in Mumbai, India (Faculty Advisor: Debbie Humphries)
• Musleehat Hamadu, YSPH: Monitoring parasitemia during clinical episodes of uncomplicated malaria: Comparison of venous and capillary parasitemia measurements in clinical studies of malaria in Ugandan children and pregnant women. (Faculty Advisor: Sunil Parikh)
• Adesuwa Ighodaro,Y SM: Assessing Mental Health Educational Needs: An assessment of Attitudes Towards Mental Illness Among Medial Students and Primary Care Physicians in Ibadan, Nigeria (Faculty Advisor: Robert Rosenheck)
• Erin Jaske, YSPH: An examination of Albendazole Treatment Failure in Kintampo North Municipality, Ghana (Faculty Advisor: Michael Cappello)
• Samantha Kaplan, YSM: A qualitative study of hygiene and sanitation practices in two villages in Kintampo North District, Ghana (Faculty Advisor: Debbie Humphries)
• Leah Le, YSPH: Expanding Methadone Maintenance Program in Vietnam (Faculty Advisor: Robert Heimer)
• Sean Mbachu, YSM: Seroprevalence of Hepatitis B and Hepatitis C in Rwandan Medical Students (Faculty Advisor: Andre Sofair)
• Kristen McLean, GSAS: Paternal Parenting in Sierra Leone: An Ethnographic Study of Father-Child Interactions and Child Development in a Post-Conflict Setting (Faculty Advisor: Catherine
Emmanuel Ohuabunwa, YSM: Does having an Emergency Department with Trained Emergency Medicine Specialists Lead to Better Patients outcomes? A Retrospective Cohort Study (Faculty Advisor: Karen Jubanyik)

Annie Tsay, YSPH: Applying a novel ELISA approach to prospective serioncidence studies in an urban slum population in Salvador, Brazil (Faculty Advisor: Albert Ko)

Beth Williams, YSN: Accessibility and feasibility of Option B+ for PMTCT in Zambia: perceptions of health care workers (Faculty Advisor: Julie Womack)

Andrew Shore, YSPH: Allelic variation in SEMA6D between 46 distinct populations and its association with Specific Reading Disorder in a Zambian sample (faculty advisor: Elena Grigorenko)


Flavia De Souza, YSM: Exploring the use of Psidium guajava leaf and bark extract as a standard of care for the parasite Giardia intestinalis (faculty advisor: Ather Ali)

Duncan Reid, YSM: Macrophage migration inhibitory factor polymorphisms and disease susceptibility in tuberculosis patients in South Africa (faculty advisor: Rick Bucala)

Xiaoyue Guo, YSM: Traditional Chinese or Western medicine? Choice and financial burden for rural diabetic patients in Changsha, China (faculty advisor: Barry Wu)

Harry Jin, YSPH: Assessing the Attitudes of Medical Students Toward HIV+, MSM, and IDU Patients (faculty advisor: Rick Altice)

Jasmine Carver, YSPH: A cross-sectional study: The association of perceived social support to STI/HIV sexual risk behavior among adolescents in Port-au-Prince, Haiti (faculty advisors: Rick Altice, Linda Niccolai)

Krysta Peterson, YSPH/PA: Impact of the Bolsa Familia Conditional Cash Transfer Program on Household Food Insecurity in Bahia, Brazil (faculty advisor: Rafael Perez-Escamilla)

Kristine Gauthier, YSPH: Risk factors for dengue fever in an urban slum in Salvador, Brazil (faculty advisor: Maria Diuk-Wasser)

Jared Sun, YSM: Analysis of the Triage Early Warning Score across different regions varying stages of economic development (faculty advisor: Karen Jubanyik)
• Kimberly Lay, YSPH: The Role of Vitamin K Deficiency in Hemorrhagic Sequelae of Severe Leptospirosis in Salvador, Brazil (faculty advisor: Albert Ko)
• Pysche Philips, YSN: Cause of Death and Quality of Death in Adults who Die at Home in Gaborone, Botswana (faculty advisor: Mark Lazenby)
• Sarah Pallas, GS(EPH): Understanding relations between development aid donors and Vietnam’s Ministry of Health in the context of donor proliferation: A qualitative case study (faculty advisor: Jennifer Ruger)
• Katharine Walter, GS(EPH): Ecological determinants of Leptospira burden in an urban slum setting (faculty advisor: Albert Ko)
• Aliya Roginiel, YSPH: Clinical, and Psychosocial Benefits of Disclosing HIV Status to HIV-Infected Children (faculty advisor: Elijah Paintsil)
• Adam Vandeusen, YSPH: Evaluating Cost-Effectiveness of Options to Improve Health Outcomes Among HIV-Positive Women in Ghana (faculty advisor(s): Elijah Paintsil, Elisa Long)
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:
- 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 has been extended to December 15, 2014. For more information on eligibility, specific
aspects of the fellowship award, and an application, please visit http://ghes.berkeley.edu/.

Recipients:
- Samantha Kaplan (Cape Town, South Africa – 2015-16)
- Duncan Reid (Durban and Tugela Ferry, South Africa – 2014-15)
- Sheela Shenoi (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

Ambassadorial Scholarship Program / Rotary International Club

The purpose of the Ambassadorial Scholarships program is to further international understanding and friendly relations among people of different countries. While abroad, scholars serve as ambassadors of goodwill to the people of the host country and give presentations about their homelands to Rotary clubs and other groups. More information is available at: http://www.rotary.org/en/studentsandyouth/EducationalPrograms/Ambassadorial Scholarships

The Luce Scholars Program

A nationally competitive fellowship program. It was launched by the Henry Luce Foundation in 1974 to enhance the understanding of Asia among potential leaders in American society. The program provides stipends, language training, and individualized professional placement in Asia for 15-18 Luce Scholars each year, and welcomes applications from college seniors, graduate students, and young professionals in a variety of fields who have had limited exposure to Asia. Eligibility: U.S. citizens; not older than 29 years of age. For further information see: http://studentgrants.yale.edu; http://www.hluce.org/lsprogram.aspx
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: Tuesday, December 1, 2015 5 p.m E.S.T.

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 and complete the application available at: https://medicine.yale.edu/education/osr/student/funding/oneyear/nihyale.aspx

Howard Hughes Medical Institute (HHMI) Medical Research Fellows Program at Janelia Farm or K-RITH

The Year-Long Medical Fellows Program opportunities at Janelia and K-RITH are targeted to students with specific research interests and backgrounds, and have additional application requirements.

http://www.hhmi.org/programs/medical-research-fellows-program/year-long-program-at-janelia

Janelia Research Campus

Students interested in neuronal network function or imaging at the cellular and molecular level are encouraged to apply for fellowship positions at HHMI’s Janelia Research Campus.

Fellows at Janelia take part in cutting-edge research and work with small, interdisciplinary teams of chemists, biochemists, neurobiologists, geneticists, physicists, computer scientists, mathematicians, and engineers from around the world in a collaborative, creative, resource-rich environment.

This intense research training experience is targeted to highly talented students with a proven track-record of research accomplishment and a commitment to a basic research field being pursued by Janelia investigators.
Life at Janelia includes:

- A full agenda of seminars, conferences, and journal clubs;
- A chance to interact with outside faculty speakers, HHMI investigators, and other renowned researchers;
- State-of-the-art laboratory and conference facilities;
- Well-appointed on-campus housing; and many other amenities.

K-RITH

Students interested in conducting research in HIV, TB, or co-infection in a state-of-the-art research institute at the heart of the TB and HIV epidemics should apply for fellowship positions at K-RITH.

Fellows will spend the year living and working in Durban, South Africa. Students should have previous research experience and a strong interest in infectious disease.

Howard Hughes Medical Institute (HHMI) at Yale

These awards are for one year student research fellowships either at Yale (or in some instances other institutions). These applications must be reviewed by the Office of Student Research prior to submission. Please notify Donna Carranzo at donna.carranzo@yale.edu of your intent to apply. The application is completed on-line. Please see the following link for instructions and application: http://www.hhmi.org/grants/individuals/medical-fellows/year-long/index.html IMPORTANT: Contact Donna Carranzo at donna.carranzo@yale.edu if you plan to apply. There are additional forms and training that are required to be completed through Yale’s Office of Grants & Contracts before you can submit your fellowship application to HHMI.

Application Deadlines

- December 11, 2015 - Deadline for submission of the personal statement to the Office of Student Research.
- January 11, 2016 - Deadline for submission to HHMI.

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:  TBD - Deadline 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 - January 15 and April 15 - IMPORTANT: Please note the application deadlines below for submission to the Office of Student Research prior to the NIH-NIDDK deadlines.

**December 11, 2015** - Deadline for submission to the Office of Student Research for the January 15th deadline

**March 11, 2016** - Deadline for submission to the Office of Student Research for the April 15th deadline

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

As per the requirements: **Eligibility**. Medical students in good standing who have completed at least one year of their medical school education and who are U.S. citizens or permanent residents are eligible. There must be a currently funded, scientifically relevant NIDDK T32 program at the sponsoring institution for an MSRT application to be considered. Only students able to commit a minimum of 9 months, up to a maximum of 12 months, full time, to participate in the program may apply. Applicants must have the permission of the Dean of their medical school to participate in this program at their own or another institution. Students who have previously earned a Ph.D. degree are not eligible nor are students enrolled in a combined MD-PhD program (see http://grants.nih.gov/grants/guide/pa-files/PA-10-107.html for information on funding for MD-PhD students).
Clinical electives allow students who have completed their MSIII core clerkships to have a clinical experience in another health care system. The following clinical electives are available:

**Argentina**
Sanatorio Allende  
Cordoba  
Yale Mentor - Dr. Eve Colson

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 an intermediate level in order to maximize their experience in Cordoba. Clinical rotations are currently available in Nephrology, Cardiology, Ob-Gyn, and Pediatrics.

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:
- Jose Luis Gonzalez (2011)  Susan Maya (2014)  
- Michael Ma (2012)  
- Adelina Hung (2012)  
- Marjorie Guerra (2012)  
- Nyasha George (2013)

**Argentina**
University of Buenos Aires  
Yale Mentor - Dr. Robert Rohrbaugh

The University of Buenos Aires is the largest and most highly regarded university in Argentina.

Because the medical school at UBA is part of a large hospital system, students may choose among many different types of clinical electives.
Clinical Responsibilities:

Clinical rotation sites are available depending on the student’s particular interests. Students are required to have a high degree of fluency in Spanish as rounds and daily activities will be, on most services, conducted in Spanish. UBA requires a language assessment which we will help you arrange.

Participants:

- Jose Luis Gonzalez (2012)
- Noreen Singh (2012)
- Carl Berdahl (2012)
- Michelle Joy (2012)

Chile

**New Site 2014-2015**

Pontificia Universidad Catolica de Chile (PUC)
Santiago, Chile
Yale Mentor – Dr. George Lister

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 an intermediate level, language assessment required. Clinical rotations at PUC are 4 weeks long.

Participants:
- Olga Laur (2015)

**Colombia**
Universidad de los Andes/Fundación Santa Fe de Bogotá
Bogotá, Colombia
Yale Mentor - Dr. Robert Rohrbaugh

Although recently established, the Universidad de los Andes has quickly established itself as one of the top medical schools in Colombia. The Office of International Medical Student Education has been working with the leadership of the University of los Andes and the Fundación Santa Fe de Bogotá (which was founded by two Yale Medical School alumni) to establish 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 preferred that students have an intermediate level of fluency in Spanish as rounds and daily activities will be, conducted in Spanish.

Participants:
- Kaysia Ludford (2014)
- Jorge Ramallo (2014)
- Maria Nardell (2014)
- Meredith Binford (2015)
- Billy Lockhart (2015)
- Susan Combs (2015)

**Dominican Republic**

Pre-Clinical Site
Instituto Tecnologico de Santo Domingo (Intec)
Santo Domingo, Dominican Republic
Yale Mentor - Dr. Lisa Walke

In 2013, a pre-clinical site was established in the Dominican Republic at the Instituto Tecnologico 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.

Spanish language proficiency is not required, but a minimum of a beginner level is encouraged. Fourth and 5th year students are also welcome to apply.

Student Participants:
- Daniel Zheng (2014)

Yale Faculty Participants:
- Dr. Daniel Federman (2013)
- Dr. Cynthia McNamara (2013)
- Dr. Anna Sfakianaki (2015)
- Dr. Cynthia Gneco-Wilamo (2015)

Brown Faculty Participants:

**New during the AY2014-15**, Intec became a clinical rotation site as well. Students with at least an intermediate level Spanish, are able to do a four week clinical rotation in either Internal Medicine, Surgery, Psychiatry, Ob Gyn, or Pediatrics.

Participants:
- Ken Hui (2015)
Ghana

New Site in AY2015-16!

University of Ghana School of Medicine and Dentistry (UGSMD)
Accra, Ghana
Yale Mentor – Dr. Elijah Paintsil

Established in 1962, UGSMD, was the first medical school in Ghana. Students wishing to do an elective in Ghana have the option to do a 4-6 week rotation in one of the following areas: Internal Medicine, Pediatrics, ObGyn, Surgery and Anesthesia.

Indonesia

Alam Sehat Lestari Clinic
Borneo, Indonesia
Yale Mentor - Dr. Kathleen White

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:

- Elyssa Berg (2013)
- Julia Lubsen (2013)
Jamaica

**New Site 2014-15**
University of the West Indies (UWI)
University Hospital
Kingston, Jamaica
Yale Faculty Mentor – Dr. Robert Rohrbaugh

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)

Mexico

**New Site 2014-15**
Tec de Monterrey, Escuela de Medicina
Mérida or Guadalajara, México
Yale Mentor- Dr. Guillermo Valdés

Yale University has a growing relationship with the Tecnológico de Monterrey (Tec), which began in 2005 and has further expanded through various educational opportunities across the Yale and Tec campuses. Tec is one of the largest and most well-respected educational institutions in Mexico.

One of our newer additions to the YSM international clinical elective sites, students will have the opportunity to spend a four week clinical rotation in Mérida, the capital of the state of Yucatán, located on the southeastern end of México, less than 50 km from the Gulf of México. Yucatán borders with the state of Quintana Roo to the east, Campeche to the west, and the Gulf of México to the North. A second site option for students who wish to be at one of the Tec campuses, will be Guadalajara. In Guadalajara students will have the opportunity to rotate with Tec students at one of five hospitals.

Clinical Responsibilities:

Clinical rotation options are available depending on the student’s particular interests. Students are required to have an intermediate level of fluency in Spanish as rounds and daily activities will be conducted in Spanish. The services available to Yale Students rotating at Clínica de Mérida include: Primary Care, Surgery and Obstetrics and Gynecology. For those students interested in Guadalajara,
services include: Radiology, Neurology, Psychiatry, Ophthalmology, Orthopedics, General Surgery, Emergency Medicine, or Dermatology.

People’s Republic of China
Xiangya Hospital System
Changsha, Hunan Province
Various disciplines
Yale Mentor - Dr. Robert Rohrbaugh

The Yale-China Association founded the Xiang-Ya (Hunan-Yale) Hospital and medical school over 100 years ago. Xiangya was one of the top schools in China and continues to be a high regarded, central government funding medical school. Facilitated by the Yale China Association health committee staff (Dr. Hongping Tian and Ms. Lucy Yang), 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 countryside to seek work. Students will be able to gain some first-hand experience regarding the difficulties of providing health care for this population and experience some of the environmental challenges of rapid industrialization. Hunan is well known for its spicy regional cuisine.

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:

- Anthony Marfeo (2009)
- Rachel Wattier (2009)
- Ying Wang (2009)
- Audrey Provenzano (2010)
- Kesi Chen (2011)
- Joshua Au (2012)
- Odayme Quesada (2012)
- Michael Soule (2012)
- Adam Sang (2012)
- 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)
Peru
Mental Health Commission of Ayacucho, Ayacucho, Peru
Universidad Peruana Cayetano Heredia (UPCH), Lima, Peru
Yale Mentor - Dr. James Phillips

Ayacucho, Peru, was the birthplace of the Shining Path terrorist group, and nearly 70,000 people were killed by the Shining Path and the Peruvian military during the 1980’s and 1990’s. The Mental Health Commission of Ayacucho (COSMA) (www.ayacuchomentalhealth.org) was founded in 2003 by a member of a Catholic religious order to serve the survivors, and it remains the only mental health clinic in the Peruvian Andes. Yale psychiatrists James Phillips and Mark Rego established a collaboration with COSMA shortly after its creation, which includes traveling to Ayacucho twice yearly (usually July and December/January) to provide direct patient care, as well as classes and supervision for the clinic's psychology interns. The most common diagnoses include depression and schizophrenia.

In addition, the Peruvian American Medical Society (PAMS) runs a two week long medical clinic in July. Students interested in all disciplines of medicine can spend time at this clinic, though which PAMS members decide to volunteer for that particular trip will determine what specialty specific care will be available.

UPCH is a medical school associated with a number of hospitals in Lima Peru. Students can choose among many specialties or disciplines for their clinical elective. Dr. Alfredo Massa, a Yale fellowship trained addiction psychiatrist who
lives in Lima) serves as a cultural mentor for all students and clinical mentor for those students interested in mental health or substance abuse disorders.

Clinical Responsibilities:

At COSMA, students will interview patients alongside Dr. Massa or other Yale psychiatrists. They will also attend home visits with the psychiatric nurses, who assess patients’ response to treatment, check their adherence to medication, provide support, and answer questions.

At the PAMS clinic, students will be able to observe physicians working with a largely Quechua and Spanish speaking population. The ability to do home visits with the COSMA team is open to all students attending the program.

At UPCH, students have the option to rotate through various services, including the emergency room, inpatient wards, and consultation services. Activities will include participating in team rounds and interviewing patients.

Students should have an advanced intermediate Spanish fluency though special arrangements may be able to be made for those students who have less advanced Spanish fluency.

Participants:

- Stacey Kallem (2013)

South Africa
Tugela Ferry
KwaZulu Natal
Internal Medicine/Infectious Disease
Yale Mentors - Dr. Gerald Friedland and Dr. Sheela Shenoi

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 either Dr. Friedland or Dr. Sheela Shenoi. Opportunities to work with home care workers providing DOT may also be available.

Participants:


Thailand
Metaprapracharak (Wat Rai Khing) Hospital
Yale Mentor - Dr. Susan Forster

Dr. Pannet Pangpputhipong, the current director of the hospital, is an internationally renowned ophthalmologist who performed the first phacoemulsification in Thailand and has been instrumental in introducing this surgical technique in Thailand. He has personally instructed many—if not most—Thai ophthalmologists in phacoemulsification.

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. He and Dr. Pannet will collaborate with our Yale faculty and Yale Eye Center staff.

The elective is offered to one or two Yale students at any given time, for a minimum of 6 weeks during which they would 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 hand-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.

Participants:

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 large minority 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:

Participants to Yale:


*2014 students came during the start of the 2015 AY (Aug. 2014)
- Denis Mugalu (2016)

**Other Clinical Opportunities**

**Ecuador**
Clínica Misional “Nuestra Señora de Guadalupe”: An Opportunity for Medical Volunteers
Yale Mentor – Dr. Serle M. Epstein

Dr. Epstein is a private practitioner of internal medicine and primary care. He is an Associate Clinical Professor, Department of Internal Medicine, Yale University School of Medicine, in New Haven, Connecticut.

Zamora-Chinchipe Province in Ecuador is home to about 90,000 people and abuts other Andean provinces of similar size. Most residents of this agrarian region are indigenous Shuar, Saraguro, or mixed heritage Indian/Spanish. They live in rural villages and in some larger towns that serve as trade, political, and religious centers. The majority of the people are subsistence farmers, miners, and small shopkeepers.
Outreach to Remote Villages:
Outreach is done to even more isolated or underserved villages via mobile health fairs. One such “Jornada Medica” occurred in October 2006.

Through 2009 more than 30,000 patient visits have taken place on such missions, including house calls. Coincidently the schools are often visited for dental hygiene screening and mouth care instruction. Each health fair is within 1 or 2 days’ travel from the main facility in Guadalupe, or in communities served by a Centro de Salud, allowing for continuity of care. Such mobile missions continue to be organized by the Clínica Misional two to four times annually.

Participant:

- Jordan Sloshower (Fall 2011)

Zambia
Mwandi Hospital
Mwandi
Surgery
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. The student must have completed both surgical and medicine clerkships and express a strong interest in international health. Costs are subsidized in part by students applying to The Yale Surgical Society, but students are also expected to contribute.

Mwandi Hospital is a rural 50 bed hospital located in the village of Mwandi, on the Zambezi River, 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.

Participants:

Gilead Foundation Travel Awards

The Gilead Foundation has provided travel awards for clinical electives for Yale students in China, Indonesia, Peru, South Africa, and Uganda. In addition, the foundation supports travel awards for medical students from Uganda and China to come to Yale for a clinical elective.

Participants from Yale:

To China
- Wei Gui (2013)
- Timothy Law (2013)
- Oluwatosin Onibokun (2013)
- Adam Sang (2013)
- Nazlee Zeberdast (2013)
- Bingnan Zhang (2013)

To Dominican Republic
- Ken Hui (2015)

To Indonesia
- Rachele Yarborough (2012)
- Elyssa Berg (2013)
- Julia Lubsen (2013)

To Peru
To South Africa
- Badri Modi (2012)
- Soledad Jorge (2013)
- Charisse Mandimika (2013)
- Michael Peluso (2013)
- Kavitha Radhakrishnan (2013)
- Barbara Chaiyachati (2013)

To Thailand

To Uganda
- Daniel Solomon (2010)
- Ravi Kavasery (2010)
- Carrie Thiessen (2010)
- QI Zheng (2010)
- Odayme Quesada (2011)
- Isaac Benowitz (2011)
- Grace Wanjiku (2011)
- Michael Otremba (2011)
- Chantae Sullivan (2011)
Yale Alumni Endowments

Five endowments 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 Sloshower, Peru and Ecuador (2011)
  - Charisse Mandimika, Uganda (2014)
  - Brian Letzen, Argentina (2015)
  - Derek Kong, China (2015)
  - Karl Grunseich, Indonesia (2015)

- **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.
  - Lily Horng, Mulago Hospital, Kampala, Uganda (2007)
  - Leah McNally, Cordoba, Argentina (2009)
  - Yoshio Kaneko, Buenos Aires, Argentina (2010)
  - Adelina Hung, Cordoba, Argentina (2012)
  - Barbara Chaiyachati, Tugela Ferry, South Africa (2013)
  - Regina Melendez, Brazil (2015)
  - Dame Idossa, South Africa (2015)
  - Tiffany Yuh, South Africa (2015)

- **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)
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)

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)
- Ken Hui, Dominican Republic (2015)

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)

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 92015)
Yale Surgical Society's Lindskog International Travel Award

The Yale Surgical Society has endowed two fellowships to partially offset student travel costs associated with international travel to present a paper or to engage in a clinical project related to the specialty of surgery. This program coordinates with the Office of International Medical Student Education, but the Yale Surgical Society conducts the application and selection process. Dr. John Fenn directs the selection committee (John.E.Fenn@yale.edu).

Past recipients:
- Heather McGee (2007)
- Matthew McRae (2008)
- Carolyn Goldberg (2009)
- Jill Rubenstein (2009)
- Rajendra Sawh-Martinez (2009)
- Matthew Hornick, Zambia (2010)
- Laura Tom, San Pedro Sula, Honduras (2010)
- Adam Sang, Zambia (2012)
- Rachel Lentz, Honduras (2013)
- Okuhade Oluwarotimi, Zambia (2013)
- Gloria Sue, India (2013)
- Paul Bagi, Zambia (2014)
- Erik Geiger, Uganda (2014)
- Michaela Bamdad, Thailand (2015)

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:
- 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.

CDC - Hubert Global Health Fellowship

Available for research as well as clinical electives.

This fellowship is administered through the Centers for Disease Control 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: [http://www.cdc.gov/hubertfellowship/AppInfo.html](http://www.cdc.gov/hubertfellowship/AppInfo.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 below.

Comparative Bio-ethics: the Yale / Keele Collaboration

(No longer being offered)

This program supports an individual interested in comparing bioethical issues in the US and England. Students are eligible for the program if they have completed all required third year clerkships. Ideally, interested students would take a Health Policy and Ethics seminar and a directed reading course at the Bioethics Center in the Fall Semester. In the Spring Semester students would travel to Keele Medical School in England for three months. In order to fully understand the differences in the US and English system of care, students will participate in a clinical elective at Keele University. Students will also undertake a research project comparing the US and UK systems of medical care and differences in their response to a specific bioethical issue. This research could serve as the basis for a thesis. While in England, students will serve as a teaching assistant in a class on Medical Ethics at Keele University. In exchange for mentoring junior medical students in the Medical Ethics course, Yale medical students will receive a stipend which would largely offset room and board during their time at Keele University. In addition, Keele University would waive all tuition fees for the course of study.

Mentorship for Yale Medical Students in England would be provided by the Medical Ethics course director, Dr. Roger Worthington.

Students who have participated:

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 may not have been available at the time of printing. Please visit http://medstation.yale.edu/groups/ for more current contact information.

Global Health Opportunities

1. **African Health Professionals Interest Group at Yale (AHPIG)**
AHPIG is a student organization here at the medical school, which meets monthly to discuss health issues pertaining to sub-Saharan Africa. In the past, we've organized panels as part of the annual AIDS Week effort, medical supplies drives to various hospitals in Nigeria and Ghana, in addition to journal club meetings and research mixers with global health faculty. This year will be starting off with series of journal clubs that will focus on global health systems, healthcare workforce and the African diaspora, as well as current brain drain reversal efforts. We meet on the last Friday of every month in the Steiner Room at 6pm. Contact: Belinda Nhundu (belinda.nhundu@yale.edu)

2. **American Medical Student Association/ YSM International Blog**
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.
Contact: Priscilla Wang (priscilla.wang@yale.edu); Matt Meizlish (matt.meizlish@yale.edu); Ankit Kansal (ankit.kansal@yale.edu)

3. **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.
Contact: Elliot Morse (ellie.morse@yale.edu)
4. **China Health Network**
The Yale China Health Network coordinates regular trips to NYC Chinatown to conduct health screenings. Contact ying.wang@yale.edu if you are interested. Additionally, if you are interested in Hepatitis B screening in Chinatown, you can volunteer at Charles B. Wang Community Health Center (http://www.cbwchc.org)

5. **Developmental Medical Foundation**
We design and implement small scale, innovative public health programs and disseminate them through our government partners. By leveraging our network of health professionals in Mumbai and Andhra Pradesh, we aim to facilitate health research, internships, and student-led initiatives in the region. Our past student fellows have implemented a pilot of SMS alerts to promote vaccination adherence, a psychosocial counseling module for DOTS providers, and a workshop series on patient self-management of diabetes. Please visit https://sites.google.com/a/dmfindia.org/dmf/Home

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. **Global Health Leadership Institute (GHLI)**
As part of its ongoing commitment to engage with the international community to improve health worldwide, Yale has launched the Global Health Leadership Institute (GHLI). The mission of GHLI is to develop the next generation of global health leaders at Yale and around the world through innovative educational, training and research programs to strengthen health systems and ensure health equity and quality of care for all. GHLI supports health leaders to improve the performance of health systems through leadership development, quality improvement programs, and health systems research. The Institute is also a center for debate and progress on leadership and other critical global health issues. GHLI
is guided by a model of strategic problem solving which posits that the close integration of academic and practitioner perspectives is central to ensuring positive and lasting change. This model requires specification of the targeted problem, identification of core strategies to achieve a defined objective, leadership to implement the strategy and rigorous measurement to support continuous improvement. GHLI champions a relational framework for leadership, understanding leadership as a dynamic role within a group that can unlock synergies leading to the success of the organization.
Contact: GHLI@yale.edu

8. 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. http://medstation.yale.edu/globalhealth/www/index.html please contact the Global Health Coordinator, Siyu (Sue) Xiao at siyu.xiao@yale.edu for more information. To be added to the listserv please visit http://mailman.yale.edu/mailman/listinfo/globalhealth.

9. 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, in collaboration with the Fair Haven Community Health Center. The clinic is dedicated to serving as a sustainable free clinic that provides uninsured adults in the Fair 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-2pm out of the Fair Haven Community Health Center. Visit havenfreeclinic.org for more information or email havenfreeclinic@gmail.com.

10. 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.
11. 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 Americans. It takes time for refugees to adjust to a new culture and learn about American institutions, and to learn English. IRIS is here to help them in their initial adjustment period, and help them achieve self-sufficiency. The contributions that volunteers, donors, and other community supporters provide are essential for us to achieve our 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

12. 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 our 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, 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 our website and blog. As a member of Dwight Hall, we provide volunteer and service information through our booklet of volunteer opportunities, participation in campus service initiatives, and volunteer trips. Visit http://yalephc.org/volunteer/
13. **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.

14. **Neighborhood Health Project**
The Neighborhood Health Project provides free blood glucose and blood pressure screenings to the residents of New Haven and surrounding communities. They meet every Saturday morning at the Loaves and Fishes Food Closet on the corner of Olive and Chapel Streets near Wooster Square. For more information please contact any of the following co-coordinators: Katelyn Johnson (kateyn.johnson@yale.edu) Laura Mark (laura.mark@yale.edu) Christina Stark (christina.stark@yale.edu) and Becky Wong (becky.wong@yale.edu)

15. **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, we 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://ghi.yale.edu/organizations

16. **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)

17. **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 2015 they are helping to organize a large global health conference to be hosted at Yale. Please see www.uniteforsight.org

18. **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. Our efforts include university patent licensing reform, public campaigns, policy advocacy, and bringing interested parties together for conferences and other events. This fall we are gearing up for a major effort to broaden support for research on neglected tropical diseases, as well as our continued efforts to get
universities around the globe to make sure their drug discoveries make a
difference to those who cannot afford the high-prices of name-brand medications.
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. We are a small
organization, which means that every single member has the opportunity to make
significant contributions to our efforts and to help influence the activities and overall
direction of the organization. Visit their
website at: www.essentialmedicine.org
Contact: Justin Mendoza (justin.mendoza@yale.edu) or visit their Facebook page:
https://www.facebook.com/YaleUAEM/info

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.
Contact: Alyssa Nylander (alyssa.nylander@yale.edu)

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. Contact: Diana Hall
diana.hall@yale.edu
Language Opportunities

Medical Spanish/Medical Chinese at YSM for Healthcare Professionals
This course is designed for health care professionals who would like to gain Spanish or Mandarin language ability to improve their interaction with and treatment of Hispanic and/or Chinese patients in the United States. For more information, including course descriptions, please visit http://cls.yale.edu/language-special-purposes. Please note that these courses are not offered every year.

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 Associación 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 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 http://www.cls.yale.edu/dils
Student Organizations

Possible Health
Possible 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@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. Our 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/students.

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 www.essentialmedicine.org.

HIP CORPS
The mission of HIP Corps, or HIV Intervention Prevention Corps, is to educate medical students about HIV and culturally-sensitive HIV prevention as well as to undertake HIV-related community outreach activities. This community service outreach works to reduce the occurrence of newly diagnosed HIV infection among minority youth through teaching how to prevent the transmission of HIV, work with those who currently live with HIV, and alter behavior that increases the risk for infection. We also organize a series of activities to spread awareness during World AIDS week. For more information, please go to: http://medicine.yale.edu/about/community/students.aspx

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.
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; amongst these is global health, and several other related listservs. To sign up go to http://www.amsa.org/resource/amsalists.cfm.

UAEM Listservs
UAEM runs a national listserv that can be reached at univlist@lists.riseup.net, and the Yale-specific UAEM listserv at core-yanlist@panlists.yale.edu. Both can be high-traffic at times.
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)? 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 MEDEX 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.
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 MEDEX card with information on what to do in an emergency (http://ogc.yale.edu/FrontierMEDEX_Program). Keep your
MEDEX 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).
15. Familiarize yourself with Yale’s International Toolkit ([http://world-toolkit.yale.edu/](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, 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 over 500 applications and accepts around 120 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:
Cover photo:

*Tugela Ferry, South Africa 2014-15*

Yale School of Medicine
Office of International Medical Student Education
Harkness Hall, 214
367 Cedar Street
New Haven, CT 06510

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