Dear Colleagues and Friends,

Welcome to the first annual activities report for Global REACH, the international initiative of the University of Michigan Medical School (UMMS). We are excited to share with you some of the many international happenings at UMMS in FY2011-2012 – some of which were spear-headed by faculty and staff at Global REACH, and some of which were driven by other individuals and departments at UMMS dedicated to improving global health around the world.

The overarching goal of Global REACH (an acronym that stands for Research, Education, and Collaboration for Health) is to be a leader in developing individuals and programs to improve healthcare through collaborative partnerships in low- and middle-income countries. This vision is supported by four key values:

1) A focus on mutually beneficial, transparent, egalitarian relationships that place the highest value on the needs of our global partners;
2) Health equity and a commitment to addressing health disparities;
3) Capacity building through an emphasis on education, training, and research; and
4) A focus on sustainability, integrity, and interdisciplinary approaches.

These core values undergird our overall mission, which is to facilitate health research, education, and collaboration among UMMS faculty and students and our global partners for the benefit of communities worldwide.

In this inaugural report, we highlight some of the many activities that we believe demonstrate the value of Michigan’s global efforts. For example, approximately one-third of all 4th year medical students participated in international clinical electives during the past six years. That equates to 295 U-M medical students doing clinical rotations in more than 50 different countries. This year also marked the launch of the Global Health and Disparities curriculum for medical students – an innovative program that integrates discussions of domestic disparities with global health and provides students with mentored opportunities for independent projects, either here at home or abroad, that will allow them to graduate with distinction in global health and disparities.

Global REACH was instrumental in launching a multi-million dollar Joint Institute with Peking University, a shared investment with our Chinese colleagues to revolutionize the state of translational research. Initial focal areas include pilot grants addressing lung, liver, and cardiovascular diseases. In addition to our “platform” of engagement in China with Peking University, we have launched platforms in Ghana and Brazil as well, with the potential for an additional platform in India.

As our global activities increase, so does the number of international visitors to our Medical School. In FY 2011-2012, UMMS was host to almost 200 visitors from 20 different countries. Global REACH has served as the coordinating unit for many of those visits.

These activities barely scratch the surface of global engagement at the medical school. We are fortunate to have 29 departments and more than 2000 faculty members in the Medical School – many of which we hope will benefit from the synergies that are an important part of Global REACH’s mission.

As is said throughout much of Africa, “When spider webs unite, they can tie up a lion.” We believe the webs of research, education, and collaboration being created by our faculty and our international partners truly have the potential to change global health.

Sincerely,

Joseph C Kolars, MD
Josiah Macy, Jr, Professor of Health Professions Education
Senior Associate Dean for Education and Global Initiatives
University of Michigan Medical School
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Global REACH Team

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Global REACH helped facilitate the visits of nearly 200 international scholars, trainees, and dignitaries.

UMMS faculty produced more than 50 global health publications in FY2011-2012.

Global REACH participated in the submission of more than $13M in extramural grant support last year.

Global REACH made awards to 78 UMMS students last year to support their experiences abroad. Awards totaled almost $180,000.

In this report we highlight some of the global health activities that have taken place at UMMS between July 2011 - June 2012.
Each year, hundreds of UMMS faculty and their global collaborators design, implement, and analyze the results of their joint research. As the Medical School unit charged with facilitating the global health activities of others, Global REACH involvement takes many shapes.

Sometimes this means playing a major role, such as administrating a Fogarty International Center Post-doctoral Training Grant. Sometimes it means serving as a facilitator by providing background expertise for a grant application or helping faculty make connections with global partners. Many times, we simply help others celebrate their global work by communicating and sharing information through a variety of media vehicles.

In this section, we highlight some of the newsworthy global health research items that have taken place over the past year at the Medical School. You’ll find other research activities throughout the rest of the report.

Photo: Faculty and students from U-M playing with the children at Kithoka Primary School in Meru, Kenya.
Global Health Highlights

Fogarty Grant Supports Postdoctoral Training in Six Countries

The University of Michigan Medical School (UMMS) is one of several participants in a new $5M, five-year grant awarded in 2012 from the Fogarty International Center of the National Institutes of Health aimed at training young US and international global health researchers. Selected post-doctoral fellows and pre-doctoral fellows will develop and implement new innovative interdisciplinary research to reduce the burden of infectious, chronic, and preventable diseases. UMMS partnered with the Universities of Washington, Minnesota, and Hawaii to form the Northern/Pacific Universities Global Health Research Training Consortium. Three other consortia, involving 17 US universities, have also been funded as part of a broader $20M Fogarty Global Health Program for Fellows and Scholars. The Northern/Pacific Consortium expects to fund and train 12 to 16 Global Health Fellows per year. UMMS made four inaugural awards in Summer 2012: one each to a US scholar, a US fellow, and two international fellows.

- **Nauzley Abedini** (shown at left, with her Ghanaian mentor, Pamela Martey), is a fourth-year medical student at UMMS who is conducting a study of neonatal jaundice at Kwame Nkrumah University of Science and Technology in Kumasi, Ghana.
- **Constance Opoku**, the only Family Physician at the Tamale Teaching Hospital in Ghana, is conducting a study of attitudes and practices surrounding cervical cancer screening in Ghana.
- **Ching-Ping Lin**, a senior fellow from the Institute of Translational Health Science at the University of Washington, is conducting a study related to global biomedical health informatics in Beijing, China.
- **Xiuying Zhang** comes from the Department of Endocrinology at Peking University Second Hospital and is working with investigators from the UMHS-PUHSC Joint Institute (see pages 44-45) on a study of diabetes and other related metabolic diseases in China.

KNUST Receives Research and Innovation Management Award

Global REACH partners at the Kwame Nkrumah University of Science and Technology (KNUST) in Kumasi, Ghana have received $300,000 from the NIH for its Initiative for Research and Innovation Management (iRIM) to develop a grants management office at KNUST. Professor Peter Donkor, Pro-Vice Chancellor of KNUST, serves as Principal Investigator. Sponsored by both the Fogarty International Center and the Office of US Global AIDS Coordinator, this project seeks to improve the provision of grants management at KNUST by establishing a University-wide Office of Grants and Research through collaboration with UMMS. Project aims include: developing an institutional research policy and management plan; establishing an office of grants and research — including the development of 5-year strategic plan and a 1-year implementation plan for the office; developing and implementing customizable training modules that can be deployed across the institution and beyond; and developing a research proposal roadmap to guide researchers through the expected path from conceptualization to program completion, as well as to provide resources for faculty and staff in accomplishing each anticipated step. UMMS Senior Associate Dean for Education and Global Initiatives, Dr. Joseph Kolars, is co-Investigator on the project.

Global REACH investigators, Sarah Rominski (L) and Cheryl Moyer (R) welcome the new iRIM KNUST grants manager, Nadia Tagoe
Survey Results of the Sub-Saharan African Medical Schools Study

Results of a survey conducted by the Sub-Saharan African Medical Schools Study (SAMSS) in 2009 were published in Human Resources for Health (24 February 2012; 10:4). The survey, which was distributed to all medical schools in Sub-Saharan Africa, examined qualitative and quantitative institutional characteristics. The data informs researchers and policy makers concerned with the imbalance these countries experience, given that they bear the greatest proportion of the world’s burden of disease along with the greatest shortage of healthcare workers. Dr. Joseph Kolars, UMMS Senior Associate Dean for Education and Global Initiatives and Director of Global REACH, shared authorship on this publication with collaborators in the US and six African nations.

New Award Looks to Increase University-based OB/GYN Partnerships in Africa

Frank J Anderson, MD, MPH, Associate Professor of Obstetrics and Gynecology and Health Behavior/Health Education (right) was awarded $80,000 by the Flora Family Foundation for a one-year learning grant, ‘Improving Maternal Health and Reducing Maternal Mortality in Africa through Training Obstetricians.’ The grant will use the lessons gleaned from current UMMS obstetric partnerships to engage other US academic OB/GYN programs interested in making similar long-term commitments to Sub-Saharan African academic obstetric and gynecology programs.

According to Anderson, who serves as the Director of Global Initiatives for the Department of OB/GYN, “Partnering with universities and programs in less developed countries to decrease maternal mortality is a major goal of this program.” He adds, “The University of Michigan is a known leader among all obstetrics and gynecology programs in the US because of its work in Ghana, and we have a unique opportunity to document the successes and failures and create a formula to assist other US- or North American-based OB/GYN departments in creating capacity building partnerships in Africa.” Anderson and his colleagues hope that the work done over the next year will lead to a consortium of university-based OB/GYN partnerships whose goal would be to train 1000 new obstetricians in Africa over the next 10 years; preventing and treating thousands of incidents of obstetric fistula and saving countless lives.

“This grant will help highlight the importance of university partnerships to train physicians to become obstetricians - a new model for capacity building.”
Global Health Highlights

UMMS Partnership Focuses on Increasing and Improving Trauma Care in India

A year ago, Executive Vice President for Medical Affairs and CEO of the University of Michigan Health Systems (UMHS), Dr. Ora Pescovitz, signed a Memorandum of Understanding between UMHS and the All India Institute of Medical Sciences (AIIMS). That signing helped formalize the partnership between UMMS and the JPN Apex Trauma Center (JPNATC) – an alliance which marks the first such partnership between academic medical programs in the US and India around trauma care.

A symposium held in New Delhi in February 2012 entitled “Trauma in India: Challenges and What Could be Achieved with Collaboration with the University of Michigan?” brought together several key investigators from each institution to help set the agenda for the next steps of the collaboration. In addition to research discussions and exploratory meetings with trauma surgeons and other medical specialists at JPNATC, the symposium activities included a tour of the Advanced Trauma Life Support Program and Laparoscopic Pig Lab at AIIMS, and meetings with the Directors of the General Health Services, the Indian Council of Medical Research, and the Director/Dean of AIIMS. The symposium was attended by several UMMS faculty including: Kevin Chung, MD, Charles de Nancrede Professor of Surgery, Assistant Dean for Instructional Faculty and Associate Director of Global REACH; Steven Kunkel, PhD, Senior Associate Dean for Research, Endowed Professor of Pathology Research, and Co-Director of General Pathology in the Department of Pathology; and Krishnan Raghavendran, MD, Associate Professor of Surgery.

Successes in Qatar May Lead to Expanded Cultural Competence Training in the Arabian Gulf Region

The first cohort of medical students have completed their competency training from the Center for Cultural Competence in Health Care (CCCHC) in Doha, Qatar – a unique training program established about four years ago by Dr. Michael D. Fetter, UMMS Associate Professor of Family Medicine and others within the Weill Cornell Medical College in Qatar. Fetter is an international expert in medical ethics and the influence of culture on medical decision-making.

Feedback from trainees and medical officials has been positive and offers validation of the program’s early successes. The program has been praised for its ability to treat people from different cultures. Students have cited behavioral changes resulting from their participation in the training, and other entities have sought out assistance in providing cultural competence training through lectures, workshops, and focus groups. The collaborative team hopes that the lessons being learned through the CCCHC will foster development and expansion of other cultural competence training programs in the Arabian Gulf region and beyond.
The Department of Medical Education Receives Funding from the Obama-Singh 21st Century Knowledge Initiative

Led by Professor and Chair of Medical Education, Dr. Larry Gruppen, U-M became one of the first institutions to receive a US Department of State award under the Obama-Singh 21st Century Knowledge Initiative. Gruppen, along with co-Principal Investigator Dr. Payal K. Bansal, Maharashtra University of the Health Sciences, received a US-led partnership award for their proposal ‘The Joint Development of a Master’s Degree in Education for Health Professions Faculty in the United States and India.’

President Barack Obama and Prime Minister Manmohan Singh announced the initiative in late 2009, affirming their commitment to enhance partnerships in higher education between the two countries in priority fields such as food security, climate change, sustainable energy, and public health. $10M will be allocated over the next five years, with each government contributing $5M. Eight to ten partnerships will be awarded annually, with partnership teams receiving an award of $250,000 to cover the three-year grant period. According to the announcement, awards are intended to “encourage mutual understanding, educational reform, and economic growth, as well as the development of junior faculty.”

UMMS is one of only six medical institutions in the US to have a department specifically dedicated to medical education. The partnership with Maharashtra University of the Health Sciences brings together two institutions that value rich faculty development experiences both within and outside of their own institutions. The award enables the establishment of a self-sustaining master’s degree program in education specifically designed for health professions faculty, thereby promoting greater collaboration between the schools and increasing, attracting, and retaining the highest caliber of teaching faculty at each institution.

The Department of Physical Medicine and Rehabilitation Signs MOU with Brunei

In June 2012, a distinguished delegation from the Jerudong Park Medical Center (JPMC) in Brunei visited the U-M campus to sign a Memorandum of Understanding with the Department of Physical Medicine and Rehabilitation (PM&R) establishing a clinical, educational, and research agenda for the two partners. The delegation included Dr. Dato Isham Jaafar, a cardiothoracic surgeon who serves as Executive Director and Medical Director of JPMC; Dr. Mohammad Syafiq, oncologist and Executive Director of the National Cancer Centre; Mr. Junaidi Masri, who represents the JPMC Board of Directors; and Ms. Vivian Tie, head of the Physical Therapy Unit at JPMC.

The three-day visit included an extensive tour of the University of Michigan Health System, focusing on the PM&R facilities but also including the Cancer and Cardiovascular Centers and Mott Children’s Hospital. The group was hosted by the PM&R unit under the leadership of Chair, Dr. Ed Hurvitz (far right), and Dr. Andy Haig (2nd from right), who have been building collaborations with medical and governmental leaders in Brunei for the past several years.
UMMS Physicians Play Leadership Roles in Latin America Health Conference

In June 2012, a small but important international conference was held in Quito, Ecuador, spearheaded by U-M faculty and their Ecuadorian partners. ‘Health and equity in Latin America: E-health for chronic non-communicable diseases’ was chaired by Dr. John Piette (below, right), Professor of Internal Medicine, and sponsored by the U-M Center for Global Health along with three local universities in Ecuador. Joining him from the Department of Internal Medicine were Drs. Steven Bernstein, Michele Heisler, and Sofia Merajver. Heisler is the Associate Director of Global REACH and coordinator for the Medical School’s platform in Brazil and other activities in South America, Central America, and the Caribbean. Merajver is the former director of the Center for Global Health.

The conference was held on the campus of Pontifical Universidad Catolica del Ecuador and served as a forum for open dialogue between universities, ministries of health, and organizations within private and public sectors of Ecuador and the Andean region to promote collaboration and knowledge sharing on the science and practice of health through more effective use of health information technologies. Experts from 15 different countries participated in the three-day conference and discussed topics such as whether e-Health can close the equity gap, the use and value of text messaging and automated calls, systems for healthcare personnel, and policy and evaluation.

The multi-country perspective was an essential element of the conference and leaders hope the exchange of knowledge will lead to continued interdisciplinary and international investigation and promotion of the use of technologies of information and communication to improve health and tackle health inequalities in Latin America.
Public Health and Medicine Team Up for NIH-funded Ghana-Michigan Postdoctoral And Research Trainee NEtwoRk (PARTNER I)

This one-year project, funded by the Fogarty International Center of the NIH for $431,000 for an initial period of November 2010 until October 2011, was housed within the School of Public Health (Tom Robins, PI), but shared training responsibilities with the Medical School (Cheryl Moyer, Co-I and Co-Project Director, Managing Director, Global REACH). The overall objective of the PARTNER I project was to strengthen interdisciplinary research capacity in Ghana to address global health challenges faced by low- and middle-income countries. The program consisted of innovative global health research training activities – primarily focused on Ghanaian post-doctoral scientists – conducted by a consortium of four institutions: the University of Michigan, the University of Ghana, the Kwame Nkrumah University of Science and Technology, and the Ghanaian Ministry of Health/Ghana Health Service.

The PARTNER I program supported intensive research training for 14 Ghanaian post-docs within several U-M schools and colleges, including UMMS. Training periods ranged from 4-12 months and covered interdisciplinary projects such as: gender and health; innovative technologies; epidemiology and genetics of breast cancer; environmental and occupational health; and interdisciplinary approaches to oral and maxillofacial surgery.

PARTNER I Fellows:
- Alex Oti Acheampong, Komfo Anokye Teaching Hospital
- Peter Agyei-Baffour, Kwame Nkrumah University of Science and Technology
- James Akazili, Navrongo Health Research Centre, Ghana Health Service
- Stephen Anyomi, Regional Health Directorate, Ghana Health Service
- Marcel Bayor, Kwame Nkrumah University of Science and Technology, Department of Pharmaceutics
- Phyllis Dako-Gyekye, University of Ghana, School of Public Health
- Edmund Der, Ghana Ministry of Health
- Gloria Folson, Noguchi Memorial Institute for Medical Research
- Mawuli Gyakobo, Korle-Bu Teaching Hospital, College of Health Sciences, University of Ghana
- Sandra Hewlett, University of Ghana, Dental School
- Evelyn Jiajje, Komfo Anokye Teaching Hospital
- Thomas Konney, Komfo Anokye Teaching Hospital
- Pamela Martey, Komfo Anokye Teaching Hospital
- Alfred Edwin Yawson, Department of Community Health, University of Ghana Medical School, Korle-Bu Teaching Hospital

U-M PARTNER I Mentors:
- Niladri Basu, School of Public Health
- Sean P Edwards, School of Dentistry
- Cheryl A Moyer, Medical School
- Lisa Newman, Medical School
- Louise M O’Brien, Medical School, School of Dentistry
- Thomas Robins, Medical School, School of Public Health
- Rachel Snow, School of Public Health
- Kathleen Sienko, College of Engineering

Global Health Highlights

PARTNER Fellows enjoy a dinner party at the home of Co-I, Dr. Cheryl Moyer

Welcome to winter in Michigan

Dr. Jody Lori (Nursing) meets with Fellows Gloria Folson and Pamela Martey, and PARTNER administrator Stephanie Law

SEPTEMBER 1, 2012
NIH Awards U-M $1.75M for a 5-year expansion of PARTNER
PARTNER II (Investing in Innovation) will pair Ghanaian and US post-docs to tackle global health research challenges


Global REACH supports the mission and goals of the University of Michigan Medical School (UMMS) by providing educational opportunities for students to participate in experiences abroad, and by facilitating the visits of international scholars and trainees.

Medical students across all four years may participate in a formal educational program to study global health and disparities, conduct faculty-mentored research projects overseas, or participate in clinical electives abroad. Some of these experiences are funded by Global REACH, others are supported and administered by other units within the Medical School, across the greater campus, or outside of the University.

Visiting scholars and learners come to the Medical School each year from around the world to engage in clinical, educational, or research activities. Visits may range from a few days to more than a year. Global REACH works with individual UMMS units to facilitate these visits — helping enhance the experience for our guests and strengthen their collaborative relationships with partners at the University of Michigan.

Photo: M4s Kevin Duan and Cordelia Witt at Uhuru Peak, Tanzania
CONGRATULATIONS!

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The Global Health & Disparities (GHD) Path of Excellence – the first co-curriculum program offered to UMMS students – welcomed its inaugural class during August 2011. As Global REACH helps to facilitate the international activities of UMMS constituents, GHD and Global REACH have become natural partners in facilitating UMMS student activities related to health equity here and abroad.

GHD was created to provide students an opportunity to integrate foundational, investigative, and experiential learning around domestic and global health disparities in order to become agents of sustainable change. The program aims to provide a flexible, mentored, self-regulated environment shaping student learning within the domains of:

- Social determinants of health disparities
- Tools and strategies to promote sustainable change
- Health care systems and policy
- Professional and leadership development

As an optional, co-curricular activity, GHD complements and runs alongside the standard curriculum. It operates through several discrete structured learning experiences, longitudinal faculty advising, and a capstone field project.

GHD is directed by Dr. Brent Williams, MD, Associate Professor of Internal Medicine, and administered by Ms. Paula Meyer. The program is guided by a Faculty Steering Committee, whose members include:

Andy Haig, Physical Medicine & Rehabilitation
Michele Heisler, Internal Medicine
Preeti Malani, Internal Medicine
Patricia Mullan, Medical Education
Julie Perry, Obstetrics & Gynecology
Michelle Riba, Psychiatry
Joy Williams, Family Medicine

Special Advisor: Preet Rana, Taubman Medical Library

Curriculum Highlights: M1-M2 Years

- Orientation to the goals and expectations of the GHD Path
- Lecture series on a wide range of global health and health disparities topics (see opposite page)
- Creation of a portfolio of written assignments highlighting essential concepts synthesized from the lecture series and related to health disparities
- For those students who decide to focus on disparities throughout medical school, submission of a brief application to participate in the GHD Path of Excellence
- Planning and completion of a disparities-related summer experience after the M1 year
- Participation in a longitudinal, mentored small group with trained faculty to master core knowledge and skills related to caring for vulnerable populations
- Planning and development of a capstone project to occur during the M4 year that integrates learning through practical experience in an underserved setting in the United States or a developing country (most summer projects qualify).

Curriculum Highlights: M3-M4 Years

- GHD students apply knowledge and skills in caring for vulnerable patients during clinical clerkships.
- Students meet occasionally with their small groups to reflect on their experiences.
- M4 students plan and implement mentored month-long projects in underserved settings, complete their capstone projects, and finalize a career development plan.
GHD Seminar Series
A series of noontime lectures and seminars – taught by UMMS and other U-M faculty – review key aspects of global and domestic disparities in health and healthcare. Students have the opportunity to do advanced reading and synthesize the content of the lecture or seminar through a brief written assignment highlighting essential concepts related to health disparities. The 2011-2012 series included topics such as:

- Overview of the GHD Path of Excellence
- Health, Human Rights, and Development
- Platforms for Global Health Initiatives at UMMS
- Global Health Research: An Introduction to the Challenges, Opportunities, and Unique Rewards
- Health Disparities in the US: What are They, and What Can be Done About Them?
- Introduction to the Principles & Practices of Translational and Clinical Research
- Global Health Information Resources & Strategies
- Essential Methods in Health Disparities: Understanding Multivariate Analyses and Their Role in Health Care Planning
- What are Criteria for Evaluating Merits of Short-Term Community Health Efforts?
- Introduction to Ethical, Regulatory, and Intellectual Aspects of Translation and Clinical Research using China as a Case Study
- Overview of Health Disparities and Health Care Disparities: Causes and Solutions
- Careers in International Health
- Health Equity for the Under Served: The Necessity for Grass-Roots Interventions
- The Unequal Burden and Unheard Voice of Pain: Addressing Health Disparities and Health Policy
- Public Health 101: The Population Health Perspective
- Health Literacy: The Impact on Patient Care and Health Outcomes
- Health Disparities in Chronic Kidney Disease and Kidney Transplantation
- Taking Oral Rehydration Therapy to Where the Diarrhea Is: Research Strategies to Reduce Health Disparities

Global Health & Disparities Path of Excellence: Class of 2015
Twenty-nine M1 students make up the inaugural class of the Medical School’s Global Health and Disparities Path of Excellence. Two-thirds of this group chose to focus their 2012 M1 summer experience on an international health disparities project (denoted by an *).

- Joy Chinazom Anyanwu*
- Clay Bavinger
- Shirley Chen*
- Yih-Chieh Chen*
- Halley Crissman
- Debalina De
- Danielle Dougherty*
- Thomas Filardo*
- Peter Finin*
- Katherine Garfield*
- Andrew Gardner*
- Sarah Gray*
- Mohamad Issa*
- Kathleen Kruse*
- Cecilia Kwak*
- Vivian Lam*
- Emma Lawrence*
- Mei Ling Liu*
- Charles Mouch
- Samuel Neher*
- Ugoeze Nwokedi
- Amanda Opaskar
- Alissa Petrites*
- Jory Pigliowski
- Aditi Ramakrishnan*
- Jamie VanArtsdalen*
- Bianca Verma
- Yasmine White
- Mike Yee

“Our Global Health and Disparities Track is unique because of its focus on health equities — in underserved communities in the US as well as abroad.”
– Dr. Joseph Kolars, Senior Associate Dean for Education and Global Initiatives

Students who successfully complete the GHD path receive special recognition in the Dean’s letter at graduation, which includes a description of the tasks and competencies of the GHD Path
Overview of Field Experiences

Each year, dozens of UMMS M1s seek international research experiences during their summer break. Global REACH developed faculty-led small group experiences to encourage stronger student mentorship by faculty, continuity of engagement with our international partners, and team-based learning. The following pages describe the faculty-led small group experiences from Summer 2012.

Kenya Summer Clinical Research Program

Faculty Mentors

Dan Clauw, MD, Professor of Anesthesiology, Professor of Internal Medicine, Professor of Psychiatry, UMMS

Jeff Punch, MD, Jeremiah and Claire Turcotte Professor of Transplantation Surgery and Professor of Surgery, UMMS

This student-learning program is integrated into the existing NIH-funded Multidisciplinary Clinical Researchers in Training (MCRIT) Program directed by Dr. Dan Clauw. One element of the MCRIT program is a summer immersion program offered to medical, dental, pharmacy, and nursing students to expose them to clinical research early in their training. UMMS students use the same NIH-approved structured curricula and evaluation tools that are required for the MCRIT Summer Immersion students.

The project is co-led by two UMMS faculty who are passionate about the partnership they have been building with this community and the Kenyan Ministry of Health for seven years. Students travel to a rural village in Kenya for three weeks to perform a research practicum. Students may choose to work on an aspect of research designed by former participants, or they may work with faculty mentors to identify their own research questions within the larger annual community health survey that is conducted annually by U-M and Kenyan faculty and students. The long term goal is that this – and other planned partnership efforts in this region of Kenya – will create a ‘platform’ for a much broader exchange between U-M faculty and students from many different schools and colleges and two local universities in this region.

In 2012, five UMMS students participated in the Kenya Summer Clinical Research Program: Jonathan Awori, Zieanna Chang, John Donkersloot, Josh Hammond, and Harriet Huang.
The Quito Project (TQP) is one of the longest-running student-initiated projects at UMMS. Global REACH is pleased to partner with TQP to enhance scholarship around chronic disease in Ecuador.

Clinic- and Population-Based Survey and Needs Assessment for Metabolic Syndrome Diagnosis and Management in Quito, Ecuador

Faculty Mentors

Michele Heisler, MD, MPA, Associate Professor of Internal Medicine, UMMS; Associate Professor of Health Behavior and Health Education, School of Public Health

David Serlin, MD, Assistant Professor of Family Medicine, UMMS

The Quito Project (TQP) is a University of Michigan-based non-governmental organization that — over the past eight years — has established a strong working relationship with community health centers in the under-resourced Area 19, located in the south of Quito, Ecuador. TQP has worked closely with medical leaders in charge of the network of community health centers in Area 19 region to identify local health needs and ways to improve prevention and care efforts through the community health centers.

In past years, teams of U-M and Pontifical Universidad Catolica de Ecuador (PUCE) medical faculty and students have worked closely with community health center leadership to design and conduct a range of community health center-based prevention and chronic disease management interventions.

Local collaborators have identified metabolic syndrome as a significant and increasing problem in their environment. Little is known about the prevalence of the constellation of conditions that — when occurring together — significantly increase the risk of Cardiovascular Disease (CVD) and Type 2 Diabetes Mellitus (DM). In addition, little is known about patient characteristics that increase the risk of metabolic syndrome, patient beliefs and attitudes, and most effective programs to help these patients prevent progression to CVD and/or DM.

In Summer 2012, five UMMS students traveled to Quito: Jessica Bloom, Stephen Colon, Roopa Pandit, Colin Parker, and David Schrock. Together, they worked to design and refine a survey instrument, conduct the survey in local health centers and schools, and analyze and interpret the results for presentation to local partners and publications. The survey was supplemented with other in-depth qualitative interviews. The project provided students with important exposure to key methods for global health research, program development, and clinical realities in governmental-supported health care centers serving low-resource communities in Ecuador.
Faculty-led Small Group Experiences

Perinatal Maternal Mental Health in Ghana, West Africa

Faculty Mentor
Dr. Katherine Gold, MD, MSW, MS, Assistant Professor of Family Medicine and Assistant Professor of Obstetrics and Gynecology, UMMS

Maternal psychiatric disorders have been well documented in developed countries and have been shown to have potentially devastating effects on pregnancy, maternal health, and the health, behavior, and development of the newborn infant. Unfortunately, the vast amount of research in this area has been in developed nations, even though preliminary research suggests that the prevalence of perinatal mood disorders may be far higher in low-income countries and may have negative effects on infant health and nutrition. There has been virtually no research on perinatal mental health in Ghana, the risk of postpartum depression, or the potential opportunities for help-seeking from both lay and professional health care workers.

In 2012, Vivian Lam*, Anna Meyer, Alissa Petrites*, and Aditi Ramakrishnan* collected primary data to determine the prevalence of postpartum depression among mothers presenting with a sick infant for care. Additionally, they followed-up to assess longitudinal outcomes for mother and baby, and assessed the coping mechanisms and mental health of bereaved mothers whose babies did not survive.

Dr. Gold’s colleague on this project is Kathryn Spangenberg, DFFP, FGCP (Family Medicine), Kwame Nkrumah University of Science and Technology.

*UMMS Global Health & Disparities Path of Excellence Student

Molecular Epidemiology of Helicobacter Pylori in Lima, Peru

Faculty Mentor
Dr. Manuel Valdivieso, MD, Clinical Professor of Internal Medicine, UMMS

Helicobacter Pylori causes gastric pathology that can lead to gastric cancer. It is a major cause of morbidity and mortality due to gastric cancer in Peru, other sites of Latin America, and the world. This project provided UMMS students opportunities to study the molecular epidemiology of H pylori infection while focusing on the potential role of drinking water contamination with H pylori, the factors that represent risk for the infection, and the clinical manifestations of such infection.

In 2012, Thomas Filardo*, Sarah Gray*, and Bao Tram (Cassie) Nghiem applied molecular microbiology techniques learned in the laboratory of Dr. Chuanwu Xi, Associate Professor of Environmental Health Sciences, U-M School of Public Health. Onsite, students had a wide range of experiences related to the bacteria. Opportunities included: measuring water properties in sampled water and learning H pylori culture techniques; interviewing community members and recording socio demographic data; evaluating risk factors for infection and the patterns of drinking water by different populations at risk; and observing gastric endoscopies and evaluating patients with H pylori infection.

*UMMS Global Health & Disparities Path of Excellence Student
Cognitive Rehabilitation With HIV-Affected Ugandan Children

Faculty Mentors
Bruno Giordani, PhD, Professor of Psychiatry, Professor of Neurology, UMMS; Professor of Psychology, College of Literature, Science, and the Arts, U-M
Michael J Boivin, PhD, MPH, Adjunct Associate Professor of Psychiatry, UMMS; Associate Professor of Psychiatry and Neurology/Ophthalmology, Michigan State University

For African children with HIV, enhanced access to Antiretroviral Therapy (ART) and its increased effectiveness has changed the prognosis from a uniformly deadly disease early in childhood to one in which survival well into adolescence is not uncommon. As such, pediatric HIV illness is increasingly becoming a sub-acute, chronic disease marked by developmental lag and progressive encephalopathy. ART alone, however, has been shown to be insufficient in reversing the neurodevelopmental consequences of HIV infection. For example, previous studies by this team have shown that children with HIV have significantly lower working memory, visual-spatial function, and executive cognitive function when compared to children without HIV. These areas of cognitive concern are often accompanied by behavioral problems that can significantly affect schooling and home life.

This ongoing National Institute of Mental Health-funded project represents the first study to systematically evaluate the effectiveness of Computerized Cognitive Rehabilitation Therapy (CCRT) in improving cognitive performance and behavioural outcomes in Ugandan children with HIV. There is also a systematic evaluation of how HIV subtypes and the corresponding immunological status of the child modify neurocognitive performance gains and psychiatric symptom reduction that may be seen as this intervention proceeds.

UMMS students Moona Arabkhazaeli, Rebecca Bickham, Andrew Gardner,* and Kathleen Kruse* traveled to Uganda during the summer of 2012. They assisted medical officers and nurses in all aspects of their work, including clinical evaluations of study children and in-home healthcare programs, as well as analyzing laboratory work. Students had short placements at the large University-based Mulago Hospital and in the rural-based Kanginima Hospital, including ward experiences and distribution of medical and other supplies in outlying Ugandan areas.

Drs. Boivin and Giordani have been collaborating in cross-cultural studies in African and Southeast Asian settings for over 20 years. Their partners in Uganda include: Drs. Robert O Opoka, Paul Bangirana, and Noeline Nakasujja, Makerere University Medical School; Dr. Patrick Mutono, Kanginima Hospital, Pallisa District.

*UMMS Global Health & Disparities Path of Excellence Student
Ekua Abban
Korle Bu Teaching Hospital
Accra, Ghana
9/26/11-10/23/11
Obstetrics & Gynecology

Maureen Connolly
Clinica de Familia La Romana, Dominican Republic
2/6/12-3/4/12
Multi-discipline

Erin Gillespie
Red Cross War Memorial Children’s Hospital, Cape Town, South Africa
2/4/12-3/4/12
Pediatric Trauma

Fasika Abbera
Korle Bu Teaching Hospital
Accra, Ghana
9/27/11-10/23/11
Internal Medicine

Matthew Cooke
Karanda Mission Hospital, Mount Darwin, Zimbabwe
4/2/12-4/29/12
Multi-discipline

Marisa Gross
Amazon Promise Iquitos, Peru
2/6/12-3/4/12
Medical Outreach

Stephanie Berry
Tygerborg Academic Hospital
Cape Town, South Africa
1/23/12-2/17/12
Hematology/Oncology

Dustin Cummings
Morimachi Family Medicine Clinic Morimachi, Japan
5 weeks
Family Medicine

Megan Guetzkow
Korle Bu Teaching Hospital
Accra, Ghana
8/29/11-9/23/11
Obstetrics & Gynecology

Sara Bowling
Regional Hospital and Rehabilitation Center
Wa, Ghana
2/1/12-2/27/12
Family Medicine

Mariana De Michele
Hope Clinic International, Jinotega & Esteli, Nicaragua
2/9/12-3/2/12
Tropical Diseases

Arthur Hong
Faculdade de Medicina, Universidade de Sao Paulo, Brazil
2/6/12-3/3/12
Adrenal/Endocrinologic Oncology

Vanessa Cardenas Soto
Hospital Universitario del Valle Evaristo Garcia Cali, Columbia
8/29/11-9/23/11
Emergency Medicine and Trauma

Nicholas Dewyer
Red Cross War Memorial Children’s Hospital, Cape Town, South Africa
2/6/12-3/4/12
Pediatric Trauma

Eduardo Icaza
Hope Clinic International, Jinotega-Esteli, Nicaragua
2/9/12-3/2/12
Tropical Diseases

Christine Carlos
Coast Province General Hospital, Mombasa, Kenya
1/30/12-2/28/12
Multi-discipline

Kevin Duan
Hospital Teule Muheza, Tanzania
3/19/12-4/13/12
Multi-discipline

Hela Issaq
Centro Medico Denia, Spain
9/28/11-10/27/11
General Medicine
M4 International Electives/ Clinical Rotations

Priya Jayachandran
St. Luke’s Leprosarium, Peikulam, India
8/31/11-9/22/11

Arwen Johnson
Korle Bu Teaching Hospital
Accra, Ghana
9/26/11-10/21/11

Andrew Joseph
Peking University Health Science Center, Beijing, China
4/2/12-4/29/12

Marwa Kaisey
Centro Medico Denia, Spain
9/28/11-10/27/11

Julie Kaplan
Korle Bu Teaching Hospital
Accra, Ghana
9/25/11-10/27/11

Jina Kim
Universite Libre de Bruxelles
Brussels, Belgium
3/5/12-4/1/12

Andrew Kimball
Hospital Universitario del Valle
Cali, Columbia
8/29/11-9/23/11

Andrea Kussman
Korle Bu Teaching Hospital
Accra, Ghana
8/31/11-9/23/11

David (Jae) Lee
Asan Medical Center
Songpa-gu, South Korea
4/2/12-5/9/12

Kristin Maher
Royal North Shore Hospital
Sydney, Australia
1/30/12-2/26/12

Laurel Roberts
Korle Bu Teaching Hospital
Accra, Ghana
9/26/11-10/21/11

Stephanie Royer
Amazon Promise Iquitos, Peru
2/11/12-3/3/12

Andrew Rosko
J. Watmull Global Hospital & Research Center
Mount Abu, India
2/4/12-3/3/12

Zachary Sawaya
Baylor Clinic Mbabane, Swaziland
6/4/11-7/4/11

Andrew Kimball
Hospital Universitario del Valle
Cali, Columbia
8/29/11-9/23/11

Emergency Medicine and Trauma

Andrea Kussman
Korle Bu Teaching Hospital
Accra, Ghana
8/31/11-9/23/11

Obstetrics & Gynecology

Obstetrics & Gynecology

Obstetrics & Gynecology

Obstetrics & Gynecology

General Medicine associated w/leprosy

General Medicine

Ophthalmology

General Medicine

Obstetrics & Gynecology

Obstetrics & Gynecology

Emergency Medicine and Trauma

Obstetrics & Gynecology

Obstetrics & Gynecology

Radiology

Emergency Medicine

Obstetrics & Gynecology

General Medicine Outreach

General Medicine Outreach

Cardiac Pathology

Obstetrics & Gynecology

Obstetrics & Gynecology

Cardiac Pathology

Multi-discipline

Psychiatry

Kerri Serecky
Singapore General Hospital, Singapore
4/2/12-4/27/12

Obstetrics & Gynecology

Khooshbu Shah
Centro Medico Denia, Spain
2/6/12-3/2/12

Multi-discipline
M4 International Electives/ Clinical Rotations

Anna Sjogren
Himalayan Health Exchange, Himachal Pradesh, India
10/2/11-10/28/11
Rural Primary Care and Medical Clinics

Aristotle Sun
Ruijin Hospital
Shanghai, China; Peking University, Beijing, China
February - April 2012
Traditional Chinese Medicine and Acupuncture

Anna Yaffee
Teule Hospital, Muheza Tanzania
4/1/12-4/28/12
Multi-discipline

Alberta Yen
University of Sao Paulo, Brazil
4/4/12-4/27/12
Infectious Diseases

Eunice Yu
First Affiliated Hospital, Sun Yat-Sen University
Guangzhou, China
2/2/12-2/25/12
Nephrology

Anna Sjogren
Himalayan Health Exchange, Himachal Pradesh, India
10/2/11-10/28/11
Rural Primary Care and Medical Clinics

Aristotle Sun
Ruijin Hospital
Shanghai, China; Peking University, Beijing, China
February - April 2012
Traditional Chinese Medicine and Acupuncture

Aarti Surti
Centro Medico
Spain
2/6/12-3/2/12
Internal Medicine and Medical Spanish Immersion

Raina Vachhani
Kasturba Hospital
Manipal, India
8/29/11-9/23/11
Pediatrics

Cordelie Witt
Teule Hospital
Muheza Tanzania
3/19/12-4/13/12
Infectious Diseases

Tao Zhu
Peking Union Medical College Hospital, Beijing, China
4/2/12-4/27/12
Internal Medicine

Raina Vachhani
Kasturba Hospital
Manipal, India
8/29/11-9/23/11
Pediatrics

Cordelie Witt
Teule Hospital
Muheza Tanzania
3/19/12-4/13/12
Infectious Diseases

Anna Yaffee
Teule Hospital, Muheza Tanzania
4/1/12-4/28/12
Multi-discipline

“I think having the added perspective of international work is incredibly eye-opening. It makes you question fundamental aspects of how medicine is practiced in the US, and helps better inform physicians about the spectrum of patient experiences that exist elsewhere.”
— David Lee, South Korea, April 2012

“The experience furthers my desire to work on developing international ties between institutions and the importance of international collaboration in learning, teaching, and practicing medicine. This experience helped redefine my changing role in the global healthcare landscape by having me reassess the sustainability of my actions, those of the group, and the type of medicine that we were practicing on a daily basis.”
— Ian May, Nicaragua, March 2012
"The experience has been very eye-opening in many ways. The diseases I saw that are essentially non-existent or very rare in the US were fascinating to see in person and learn more about....it was very interesting to compare the US and Brazilian health systems and see how a major teaching institution here approaches some similar problems we have in the US (patient compliance, social issues, infection control)."
— Alberta Yen, Brazil, April 2012

"In a country with so many fundamental differences compared to the US, it was interesting to see that there are the same fundamental debates about healthcare; how to pay for it, should wealthy people be able to buy better healthcare than poor people, how do you ration care effectively, how do you improve preventive health and health education, etc. Seeing these debates in a different context provides a global perspective to many of the current debates we are having here about the future of our healthcare system."
— Nicholas Dewyer, South Africa, February 2012

"It’s useful to see how medicine is practiced differently elsewhere, to question our own methods, and to make sure that we are using the evidence to justify our own way of doing things."
— Marwa Kaisey, Spain, September 2011

"This experience encouraged me to think about some of the resources and healthcare infrastructure that I take for granted. I also reflected on the type of patient-practitioner relations I want to have. Some of the best clinical aspects of my experience involved seeing high-risk or very progressed conditions, such as uterine rupture, cerebral malaria in pregnancy and twin breech-breech vaginal deliveries."
— Andrea Kussman, Ghana, September 2011

"I grew up in a medical community in Ghana, a child of a former Ghanaian nurse. This rotation substantiated and strengthened my desire to pursue further international medicine experiences and to practice in a medically-underserved region. I saw how many of the female patients – due to pervasive societal poverty – lacked fundamental knowledge of their own health. I admired how the physicians managed very complex cases with minimal resources at their disposal."
— Ekua Abban, Ghana, September 2011
UMMS students may request Global REACH support to participate in non-traditional international research or educational experiences and to present outcomes of their scientific work at national and international conferences. The students shown on the following pages received Global REACH awards during FY2012. Their medical school status is shown at the time of funding.

Lesley Everett and Tim Kaselitz (shown above) were co-supported by Global REACH and the Sujal Parikh Memorial Fund to participate in a month-long social medicine course in Uganda. The course ‘Beyond the Biologic Basis of Disease,’ was conducted by SocMed—a small organization with a big interest in merging the teaching of medicine with an understanding of the socioeconomic, cultural, political, and historical underpinnings of illness. The course used several approaches to create a learning environment where medical students could practice being both learners and teachers. Coursework on biology and environmental factors of disease was combined with films, classroom presentations, interactions with politicians and community workers, and clinic rotations at St. Mary’s Hospital Lacor in Gulu, Uganda. Thirty medical students were enrolled in the course: 15 from Uganda, a handful of international students, and the rest from across the US.

This experiential integration was one of the main attractions to Kaselitz. “A good social medicine course like this provides a wonderful model for the translation of medical school competencies,” he said. He added that Uganda was an ideal setting to examine the social and economic contexts of health. “The country has been part of an ongoing war for decades; and though they are enjoying a time of peace right now, the effects of the war are still right in your face. Being immersed in a post-war setting presented an unfortunate, yet rich set of circumstances to learn from.” Everett echoed his sentiments; “Traditional med school curriculum is limited in what it teaches about the social factors that contribute to health and providing good care. This was a history lesson, and a political lesson, and a cultural lesson, and a medical lesson – all at the same time.”

“This was a history lesson, and a political lesson, and a cultural lesson, and a medical lesson – all at the same time.”

— Lesley Everett, Uganda, February 2012
Global REACH Student Grants

Non-Traditional Grant Recipients

Andrew Admon (M4) Partners in Health: Neno District Hospital, Malawi 6/1/11-11/1/11
Health indicators of HIV and tuberculosis

Hema Datwani (M2) Multiple medical sites throughout Panama 7/05/11-7/25/11
Investigating opportunities for medical student electives

Lesley Everett (Med Sci Train Prog) St. Mary’s Hospital Lacor; Gulu, Uganda February 2012
Soc Med Course: Beyond the Biologic Basics of Disease (socmedglobal.org/index.html)

Akash Goel (M4) UNICEF’s Immunization Unit of the Child Survival health Department New York City, NY 8/29/11-9/25/11
Operational research

Emily Junck (M3) Global Health Research Center of Central Asia Kazakhstan 9/26/11-11/13/11
Project ADVANCE

Tim Kaselitz (M4) St. Mary’s Hospital Lacor; Gulu, Uganda February 2012
Soc Med Course: Beyond the Biologic Basics of Disease (socmedglobal.org/index.html)

Alex Pulst-Korenberg (M2) World Health Organization Geneva, Switzerland Summer 2011
Program on Global Policy & Governance

Katherine Sankey (M2) Multiple medical sites throughout Panama 7/05/11-7/25/11
Investigating opportunities for medical student electives

Angeline Ti (M4) Komfo Anokye Teaching Hospital Kumasi, Ghana 2/1/12-3/14/12
Family planning and HIV services

Kaveri Korgavkar (M3) Psychological impact of Striae Gravidarum Presented at the International Congress on Dermatopidemiology IDEA Malmo, Sweden; August 26-28, 2011

“Through the Global REACH travel grant, I had the opportunity to present my own research at a focused and collaborative international conference. This allowed me to gain insight from others, develop important connections, and plan joint efforts for future work on a new specific project in my area of research. This enriching and enjoyable experience served a vital role in providing direction for my ongoing interest and dedication to the field.”

— Kaveri Korgavkar

Conference Grant Recipients

Marce Abare (M3) US student organizing for open access Presented at the Right to Research Coalition General Assembly; Budapest, Hungary July 19-21, 2012

Shilpa Gulati (M2) Increasing adoption of SMS-based drug authenticity verification: A qualitative evaluation of consumer marketing and awareness methods Consortium of Universities for Global Health Montreal, Canada; November 12-15, 2011

Kaveri Korgavkar (M3) Psychological impact of Striae Gravidarum Presented at the International Congress on Dermatopidemiology IDEA Malmo, Sweden; August 26-28, 2011
Other Student Experiences Abroad

International Research Experiences of UMMS Students (supported and administered by other units)

In addition to funding provided by Global REACH for their clinical electives and global health experiences, medical students often receive support from other sources. For instance, the Student Biomedical Research Program (SBRP) is a medical student research training program funded by the National Institutes of Health (NIH). Students supported by SBRP typically spend eight weeks during the summer working on self-designed research projects. Another source of funding that first year medical students often turn to is the NIH Minority Health & Health Disparities Research Training Program (MHIRT) administered by the U-M Center for Human Growth & Development.

Summer 2012 M1 Students+

Claudia Cao, China
U-M mentor: Anna Lok
SBRP Award

*Shirley Chen, China
U-M mentor: Anna Lok
SBRP Award

*Danielle Dougherty, Botswana
U-M mentor: Andrew Haig
SBRP Award

*Katherine Garfield, Ecuador
U-M mentor: Sara Frost
SBRP Award

Zhe Guan, China
U-M mentor: Anna Lok
SBRP Award

*Emma Lawrence, Ghana
U-M mentor: Frank Anderson
Center for Global Health Award

*Samuel Neher, China
U-M mentor: Betsy Lozoff
MHIRT Award

*UMMS Global Health & Disparities Path of Excellence Student

Claudia Cao, Shirley Chen, and Zhe Guan spent eight weeks during Summer 2012 working on a Hepatitis C Virus (HCV) project. The students did a China-US comparative study of risk factors for HCV infection; identifying and comparing perception of risk factors, patient knowledge about HCV, and factors that influence patient participation in clinical research studies. Drs. Rao, Feng, Ma, and Wei (shown with students at right) served as mentors at the Peking University Health Science Center.

Emma Lawrence spent Summer 2012 based at the Komfo Anokye Teaching Hospital, a large tertiary care center in Kumasi, Ghana. Her research focused on the implementation of cardiotocograph monitoring, a form of electronic fetal monitoring routinely used in the US to interpret characteristic patterns of fetal heart rate, fetal movement, and uterine activity that suggest fetal acidosis and hypoxic distress. The monitors give an inside look into the health of the fetus and allow doctors to take action in the critical period that precedes fetal death, by inducing labor or performing a c-section. Specifically, Lawrence focused on women with pregnancy-induced hypertension, pre-eclampsia and eclampsia to analyze whether the presence of cardiotocograph monitoring improves birth outcomes.

*Excluding students funded by SBRP to participate in faculty-led small group trips

The high-risk antenatal ward is constantly hovering at the brink of barely controlled chaos. Physically, the room is bursting at the seams with laboring patients; hospital beds are always full and the doctors weave among the extra mattresses squeezed into every spare space, attempting to hang IVs from window sills and examine the women as they lie on the floor. Women are rushed from nearby hospitals in the throes of eclamptic seizures, with blood pressures at impossibly high levels, and with obstetric histories full of loss. Last year, the hospital averaged 33 deliveries a day, a staggering number by any account.”

— Emma Lawrence, Kumasi, Ghana, July 2012

Lawrence (left) in front of the Fetal Assessment Center where expectant mothers (above) are monitored with cardiotographs
Other Student Experiences Abroad

M4 Special Fellowships

Each year, several medical students take a year off between their M3 and M4 years to become fully immersed in a global experience — often enhancing their research skills and clinical exposure to health in underserved populations. Last Fall, former Class of 2012 members Jennifer Bass, Sonali Palchaudhuri, and Nazneen Uddin accepted very competitive and prestigious year-long fellowships, thus delaying their M4 year and becoming members of the Class of 2013.

Jennifer Bass, 2011-2012 The CDC Experience Applied Epidemiology Fellow

The CDC Experience Applied Epidemiology Fellowship offers medical students an opportunity to spend up to one year at the Centers for Disease Control (CDC) headquarters in Atlanta, Georgia getting practical experience in epidemiology and public health. Under the mentorship of experienced CDC epidemiologists, fellows work on solving real-world public health problems — often traveling to international sites to focus on specific assignments related to their study area. Fellows participate in surveillance activities and a field experience, conduct an analytical epidemiology project, lead a journal club, and present their work in both written and oral format.

Jennifer Bass was one of a handful of medical students awarded this prestigious fellowship last year. Her assignment was in the Division of High-Consequence Pathogens And Pathology at the National Center for Emerging and Zoonatic Infectious Diseases. Specifically, she had three main assignments: 1) an investigation of an outbreak of invasive group A streptococcus at a long-term care facility in Georgia; 2) Monkeypox surveillance in the Democratic Republic of Congo (DRC); and an investigation of increasing prevalence of rabies in Kisumu, Kenya.

“Public health activities like surveillance, education, and environmental interventions can only do so much to improve individuals’ wellness; quality clinical services will always be needed. Seeing how rare and how desperately needed clinical services are in Tsupa fueled my desire to acquire the technical expertise that will allow me to provide critical services and improve systems for delivery of medical care.”

— Jennifer Bass, Democratic Republic of Congo, April 2012
Sonali Palchaudhuri, 2011-2012 Fogarty International Research Scholar

Sonali Palchaudhuri was one of only 24 students from the United States selected to the 2011-2012 cohort of Fogarty International Clinical Research Scholars & Fellows (FICRS). The FICRS program provides a one-year clinical research experience in top-ranked NIH-funded research centers in low-resource countries, pairing US graduate/medical students and local researchers with senior investigators. There are more than 17 FICRS locations in 14 countries, each supported by a US partner institution. Ms. Palchaudhuri participated in the UNC Project Malawi, which is based on the campus of Kamuzu Central Hospital in Malawi’s capital, Lilongwe, and conducts research and training on a variety of fields including diagnosis and care for HIV, STIs, malaria, and TB.

During her time in Malawi, she worked on several HIV-related projects, including:

- Implementing order-sets for initial fever evaluation and management upon admission to hospital medical ward
- Implementing Pima Point-of-care CD4 analyzers, and evaluating effects on antiretroviral treatment enrollment for qualifying HIV+ patients
- Evaluating the efficacy of laboratory support in outpatient HIV care

In addition to her research, Palchaudhuri found an outlet for one of her other passions: music. Within a week of her arrival in Malawi, she connected with a band looking for a drummer and ended up performing with them throughout Malawi and at the International Festival of the Arts in Harare, Zimbabwe (shown above).

“Being front-line in designing studies specific to the setting and troubleshooting data collection methods solidified my desire to tackle clinical research...having the privilege to participate in clinical care there and learn from another inpatient environment solidified my interest in pursuing a residency in internal medicine. Armed with more on-ground experience and a few more tools in my toolbox, I am eager to embark on a career as a physician-researcher.”

— Sonali Palchaudhuri, 2011-2012 Fogarty Scholar, Malawi
Nazneen Uddin, 2011-2012 Luce Scholar

The Luce Scholars Program is a nationally-competitive, fully-funded fellowship program launched by the Henry Luce Foundation in 1974 to enhance the understanding of Asia among potential leaders in American society. The program is unique among American-Asian exchanges in that it is intended for young leaders who have had limited experience of Asia and who might not otherwise have an opportunity in the normal course of their careers to come to know Asia. It is experiential rather than academic in nature; none of the participants is formally enrolled as a student in a college or university and no academic credit is extended. Seventeen Luce Scholar Fellowships were awarded in 2011-2012.

Nazneen Uddin was placed in Kuala Lumpur, Malaysia — a country composed of three major ethnicities (Malays, Chinese, and Indians) and diverse in faith, language, and traditions. Ms. Uddin used her year as a Luce Scholar to study the Malay language while she volunteered at various local non-governmental organizations. She staffed patients at a refugee health clinic, led health discussions at a shelter for abused women and children (shown above), and ran health workshops with community health workers from the Burmese ethnic groups through the United Nations High Commissioner for Refugees (below, left). In addition, Ms. Uddin worked on a research project on cervical cancer and tuberculosis in Malaysia’s oldest academic hospitals. A very stimulating and diverse year enabled her to learn about the Malaysian health care system through visits at prison clinics, nursing homes, hospices, women’s health clinics, public hospitals, refugee clinics, mobile clinics, and shelter homes.

“It is unfortunate that those most deserving of healthcare are often the ones with the least access to it. My year in Malaysia reminded me of the close connection between cure and culture, and I hope to become a physician who does not ignore the personal identity of my patients and respects them regardless of their background, their language, or religion.”

— Nazneen Uddin, 2011-2012 Luce Scholar, Malaysia
Josip Matovinovic MD Endowed Fellow in Medicine

Dr. Josip Matovinovic was an internationally recognized endocrinologist who served the University of Michigan as Professor of Medicine in the Division of Nuclear Medicine from 1959-1984, and as Professor Emeritus from 1984 until his death in 1998. His work on diseases of the thyroid advanced the science of his field, but he was also cherished by his students and respected by his peers for his patient-focused teaching and his humanistic approach to his patients.

Born in the small village of Licko Cerjec, Croatia, Matovinovic obtained his medical degree from the University of Zagreb Medical School in 1939. During the next six years, he completed his residency and military service and married Natalie Gottlieb — a young pianist and daughter of a surgeon and an opera singer. In 1947, Matovinovic was awarded a Rockefeller Fellowship to study at Harvard University. Following the fellowship, he returned to his alma mater to become the chief endocrinologist, but went back to Boston almost a decade later to perform research in the thyroid and diabetes labs at Massachusetts General Hospital. He moved to Ann Arbor in 1959 when he was invited to become a faculty member at the Medical School.

At the time of his retirement, Matovinovic was the Medical School’s Officer for International Education. In a folder housing historical information about his University appointment, is a letter to his successor. The letter notes that “every year 50-60 of our mostly senior students apply for electives abroad.” “...about 15-30 students spend 1-3 months abroad, usually at university hospitals.” In the same folder are postcards addressed to “Dear Dr. Mat” from students thanking him for his help in finding them international placements for their medical electives; grateful for his foresight that a medical experience abroad benefits the practice of medicine at home.

Shortly after his death in 1998, Mrs. Natalie Matovinovic ensured that her husband’s belief in the value of educational training opportunities would continue to be realized. Recognizing the role the Rockefeller Fellowship played on Josif’s life and professional career, she made a lifetime gift to the University of Michigan and established the Josip Matovinovic MD Endowed Fellow in Medicine, a post-graduate fellowship open to Croatian physicians seeking additional training in any medical specialty or sub-specialty.

Although preference is given to students who received their medical degree from the University of Zagreb, it is open to all Croatian doctors hoping to expand their training. An individualized curriculum and learning program are jointly developed by the University of Zagreb and UMMS to meet the needs of the specific fellow.

Potential learning opportunities range from clinical to educational to research and can include more than one focus. Nominations are put forth by the Chair of the Medical School at Zagreb, and final selections are made by UMMS. Fellowships are administered through the Global REACH office.

The first Matovinovic Fellow was named in 2005.

It is fitting to note that some of the current mentors for the fellowship recipients were once students under Dr. Matovinovic.
2011-2012 Josip Matovinovic MD Endowed Fellow in Medicine

Jure Murgić, MD, Department of Oncology and Nuclear Medicine, University Hospital Center Sisters of Charity, Zagreb, Croatia

Dr. Jure Murgić was the third physician to be named the Josip Matovinovic MD Endowed Fellow in Medicine. A clinical oncologist specializing in chemotherapy and radiotherapy of urogenital malignancies and hormone therapy of prostate cancer, his particular interests include multimodal treatment, clinical trials, and quality of life issues in oncology. His fellowship included a three-month award for training (September-December, 2011) followed by an additional three months of support (May-August, 2012). Dr. Murgić was involved with several projects during his time in Ann Arbor. His primary academic home was in the Department of Radiation Oncology where he was mentored by Dr. Ted Lawrence (Chair) and Dr. Daniel Hamstra. He worked with faculty from other units as well, including Dr. Anka Avram and Dr. Ka Kit Wong (Clinical Nuclear Medicine), Dr. Yuni Dewaraja (Physics and Dosimetry), and Dr. Mark Kaminski (Hematology, U-M Cancer Center). Murgić also worked with Dr. Patrick William McLaughlin from the Department of Radiation Oncology in the Assarian Cancer Center at St. John Providence Hospital in Novi, Michigan – an affiliate unit of the U-M Department of Radiation Oncology.

Collaborative projects with UMMS training faculty:

- Testing the predictive capability of metrics derived from prostate biopsies (maximum involvement of biopsy core) in a retrospective study of patients with prostate cancer who have undergone dose-escalated external beam radiotherapy
- Imaging research on positron emission tomography/computerized tomography (PET/CT) related assessment of treatment response in patients with recurrent Non-Hodgkin Lymphoma treated with 131-I-tositumumab radio immunotherapy. Additional analysis was performed to assess patient response to therapy using novel response assessment - PET Response Criteria in Solid Tumors (PERCIST), developed at U-M by Dr. Richard Wahl, and to compare it with the more traditional one, Response Criteria in Solid Tumors version 1.1 (RECIST)

Collaborative project with St. John Providence Hospital:

- Scoring the presence of main neurovascular structures (neurovascular bundle) and correlation with the erectile function in men who underwent low dose radiation monobrachytherapy or combination therapy (brachytherapy plus external beam radiotherapy)

Scientific outcomes of these collaborations, thus far, include two publications and one presentation:


*This paper was prented by Dr. Murgić at the 2012 meetings of the Society for Nuclear Medicine, June 9-13, 2012, Miami Beach, FL.*
Visiting Fellows and Scholars

July 2011 - June 2012

- 43 International Fellows and Scholars
- 15 different countries (see map)
- 17 UMMS host units
- 129 total months of collaboration

Dr. Marija Arsowska-Nalbanti (July 1 - Aug 29, 2011)
Clinical Hospital “Dr Trifun Panovski” "Partizanska B.B."
Bitola, Republic of Macedonia
U-M host: Rheumatology (Dr. Vladimir Ognenovski)

Dr. Cornelia Betschart (July 1, 2011 - June 30, 2013)
University Hospital, Zurich, Switzerland
U-M host: Obstetrics and Gynecology (Dr. John Delancy)

Dr. Zhe Zhang (July 1 - Dec 31, 2011)
Peking University Health Science Center, Third Hospital, Beijing, China
U-M host: Cardiology

Dr. Ahuka Longombe (July 27 - Aug 2, 2011)
Panzi Hospital, Democratic Republic of Congo
U-M host: Medical School, School of Nursing, and Institute for Research on Women and Gender

Dr. Rudolph K. Adageba (Sept 4 - Nov 5, 2011)
Komfo Anoyke Teaching Hospital. Kumasi, Ghana
U-M host: Obstetrics and Gynecology

Dr. Haiping Wang (Sept 5 - Nov 30, 2011)
Tongji Medical College, Wuhan City, Hubei, China
U-M host: Surgery

Dr. Feng Wan (Sept 8 - 9, 2011)
Peking University Health Science Center, Third Hospital, Beijing, China
U-M host: Cardiovascular Center

Peking Union Medical College Scholars (Sept 11 - Nov 11, 2011)
Peking University Medical College, Beijing, China

Lei Guo, MD
Xiaoming Huang, MD
Bin Peng, MD
Jing Shen, MD
Qiu Wen-Ying, PhD
U-M host: Medical Education Scholars Program

Dr. Daniela Miladinova (Sept 12 - 15, 2011)
Ss. Cyril and Methodius University, Skopje, Macedonia
U-M host: Medical School Administration and Radiology

Dr. Hajime Fuji (Sept 17 - 30, 2011)
Shirahama Hamayuu General Hospital, Kakegawa, Shizuoka, Japan
U-M host: Shizuoka Family Medicine Residency Program

Dr. Atsuko Inoue (Sept 18 - 24, 2011)

Dr. Kanako Takasugi
Okayama Central Hospital, Japan
U-M host: Shizuoka Family Medicine Residency Program
(Lea Masahito Jimbo)

Dr. Bina Cohen-Sacher (Sept 19 - Nov 18, 2011)
Sackler School of Medicine, Tel Aviv, Israel
U-M host: Obstetrics and Gynecology

Dr. Attilio Iacovoni (Sept 22 - Oct 19, 2011)
Ospedali Riuniti Largo, Bergamo, Italy
U-M host: Cardiology and Adult Cardiac Surgery

Dr. Mariko Yokota (Oct 3 - 14, 2011)
Shirahama Hamayuu General Hospital, Kakegawa, Shizuoka, Japan
U-M host: Shizuoka Family Medicine Residency Program

Dr. Yukina Hirano (Oct 17 - 28, 2011)
Aichi Medical University Hospital, Kikugawa, Shizuoka, Japan
U-M host: Shizuoka Family Medicine Residency Program

Dr. Kota Shikano (Dec 3 - 17, 2011)
Shizuoka Hospital, Shizuoka City, Japan
U-M host: Shizuoka Family Medicine Residency Program

Dr. Andrew M. J. Linn (Jan 2 - July 9, 2012)
University of Adelaide, Australia
U-M host: Medical Education (Dr. Larry Gruppen)

Dr. Victor Hugo Mena (Jan 3 - 17, 2012)
La Pontifica Universidad Catolica del Ecuador, Quito
U-M host: Internal Medicine and the VA Hospital
(De Michele Heisler)

Dr. Fengmin Lu (Jan 26 - 27, 2012)
Peking University Health Science Center, Beijing, China
U-M host: Gastroenterology

Dr. Keming Wang (Jan 27, 2012 - Jan, 2013)

Dr. Yirong Wang
Peking Union Medical College, Beijing, China
U-M host: Plastic Surgery (Dr. Kevin Chung)

Dr. Fei She (Jan 30, 2012 - Jan 29, 2013)
Peking University Health Science Center, Third Hospital, Beijing, China
U-M host: Cardiovascular Medicine (Dr. Hakan Oral)
Dr. Ahmed Dohain (Jan 30 - May 2, 2012)  
University of Cairo, Children’s Hospital of Cairo, Egypt  
U-M host: Pediatric Cardiology (Dr. Stephen Park/others)

Dr. Lei Li (Feb 11, 2012 - Feb, 2013)  
Peking University Health Science Center, Third Hospital, Beijing, China  
U-M host: Nephrology (Dr. Subramaniam Penathur)

Dr. Lijie Sun (Feb 11, 2012 - Feb, 2013)  
Peking University Health Science Center, Third Hospital, Beijing, China  
U-M host: Cardiovascular Research (Dr. Eugene Chen)

Dr. Radim Soucek (Feb 23 - June 26, 2012)  
University of Heidelberg Medical School, Germany  
U-M host: Cardiology (Dr. Frank Bogun)

Dr. Atta Owusu Bempah (Mar 5 - May 25, 2012)  
Kwame Nkrumah University of Science and Technology, Kumasi, Ghana  
U-M host: Obstetrics and Gynecology

Dr. Tomoko Iida (Mar 19 – 30, 2012)  
Kakegawa, Shizuoka, Japan  
U-M host: Shizuoka Family Medicine Residency Program

Dr. Jia Tian (Mar 20 – 23, 2012)  
Technology Transfer Office, Peking University Health Science Center, Beijing, China  
U-M host: PUHSC Joint Institute for Clinical and Translational Medicine; Office of Technology Transfer and Medical Innovation Center

Dr. David Kolbilla (Apr 19 – May 3, 2012)  
Kwame Nkrumah University of Science and Technology, Kumasi, Ghana  
U-M host: Obstetrics and Gynecology

Dr. Eric Larney Quarshie (May 1 – 23, 2012)  
Komfo Anokye Teaching Hospital in Kumasi, Ghana  
U-M host: Fetal Development Center, Obstetrics and Gynecology (Dr. Marcie Treadwell)

Dr. Jure Murugić (May 6 – Aug 11, 2012)  
University Hospital Center Sisters of Charity, Zagreb, Croatia  
U-M host: Radiation Oncology (Dr. Daniel Hamstra)

Dr. Lourdes Caroline Dumiao (May 14 – July 9, 2012)  
Quezon City, Philippines  
U-M host: Geriatrics

Dr. Shuji Tsuda (June 2 – Aug 31, 2012)  
Tsukuba University Hospital, Ibaraki, Japan  
U-M host: Shizuoka Family Medicine Residency Program

Dr. Yasutoshi Kobayashi (June 4 – 15, 2012)  
Aoyama Clinic and Kobayashi Internal Medicine Clinic, Kobe, Japan  
U-M host: Shizuoka Family Medicine Residency Program (Dr. Michael Fetters)

Dr. Sun Hee Park (June 8 – 15, 2012)  
MizMedi General Hospital, Seoul, South Korea  
U-M host: Obstetrics and Gynecology (Dr. Hope Haefner)
Visiting Students and Trainees

Changbin Zhu (July 5 - Aug 28, 2011)  
Shanghai Jiao Tong University, Shanghai, China  
U-M host: Program in Biomedical Sciences

Eamon Shamil (Aug 1 - 28, 2011)  
King’s College, London, England  
U-M host: Otolaryngology (Dr. Jeffrey Moyer)

Ryan Gindi (Aug 17 - Sept 26, 2011)  
Sackler School of Medicine, Tel Aviv, Israel  
U-M host: Interventional Radiology

Emmanuel Sarpong (Aug 22 - Sept 9, 2011)  
Juliet Yirerong  
Kwame Nkrumah University of Science and Technology, Kumasi, Ghana  
U-M host: Anesthesiology (Dr. Brian Woodcock)

Students from Kwame Nkrumah University of Science and Technology, Kumasi, Ghana (Sept 4 - 30, 2011)  
Frederick Dodzi Kofi Afachao  
Nelson Ampah  
Opoku Akwasi Baafour  
Philip Oppong-Twene  
Amida Awudu Rahman  
Nana Serwaa Agyeman Quao  
Karen Adwoba Bomo Sagoe  
Ernest Yeboah  
U-M host: Internal Medicine and Obstetrics and Gynecology

William Nii Ayitie Menson (Sept 12 - 30, 2011)  
Atto Kwamena Sagoe  
Kwame Nkrumah University of Science and Technology, Kumasi, Ghana  
U-M host: Anesthesiology (Dr. Brian Woodcock)

Adam Scheel (Oct 1 - 23, 2011)  
La Universidad Francisco Marroquin, Guatemala City, Guatemala  
U-M host: Otolaryngology

Rafael Jesin (Nov 18 - Dec 18, 2011)  
Technion University, Haifa, Israel  
U-M host: Nephrology

Jennifer Fathy (Nov 18, 2011 - Dec 18, 2011)  
Technion University, Haifa, Israel  
U-M host: Pediatric Cardiology

Elizabeth George (Nov 18, 2011 - Feb 6, 2012)  
All India Institute of Medicine, New Delhi, India  
U-M host: Radiology

Students from University of Ghana Medical School, Accra, Ghana (Nov 27 - Dec 22, 2011)  
Jude Ammah  
U-M host: Family Medicine  
Ruth Naa Adoley Ayetty  
U-M host: Developmental Pediatrics  
Akua Serwah Boateng  
Lim Abla Kwawukume  
Tinuade Olukemi Okoro  
U-M host: Internal Medicine  
Alfred Kakrabaa Seedah  
U-M host: Physical Medicine & Rehabilitation

Helena Penna (Dec 17, 2011 - Jan 8, 2012)  
Universidade Gama Filho, Rio de Janeiro, Brazil  
U-M host: Pediatric Surgery

Fernando Gordillo (Jan 3 - 17, 2012)  
Fernanda Moreira  
La Pontifica Universidad Catolica del Ecuador, Quito  
U-M host: Internal Medicine and the VA Hospital (Dr. Michele Heisler)
Visiting Students and Trainees

July 2011 - June 2012

- 43 International Students and Trainees
- 11 different countries (see map)
- 17 UMMS host units
- 44 months of training

Thales Ishizaki (Jan 5 - Feb 1, 2012)
University of São Paulo, Brazil
U-M host: Pulmonary Medicine

Yoshichi Horie (Jan 4 - Mar 5, 2012)
University of Tokyo, Japan
U-M host: Nephrology and Anesthesiology

Prashant Singh (Jan 6 - Mar 4, 2012)
All India Institute of Medicine, New Delhi, India
U-M host: Endocrinology and Hematology

Hongzhi Hou (Feb 3 - Mar 4, 2012)
University of Tokyo, Japan
U-M host: Radiology

Irina Kotlar (Feb 29 - Apr 29, 2012)
Vangel Nechevski
Ss. Cyril and Methodius University, Skopje, Macedonia
U-M host: Rheumatology and Pulmonary Medicine

Sasho Stanisavljevik (Apr 1 - May 8, 2012)
Ss. Cyril and Methodius University in Skopje, Macedonia
U-M host: Radiology and Rheumatology

Students from University for Developmental Studies School of Medicine and Health Sciences, Tamale, Ghana (May 1 - 31, 2012)

Barikisu Seidu Abukari
Chinazom Aniebue
Daniel Atubiga
Matilda Tiernye Belieb
Philip Taah-Amoako
Eric Owusu Taah
U-M host: Obstetrics and Gynecology

Chinazom Aniebue (May 1 - 31, 2012)
University of Nigeria Faculty of Medicine, Enugu, Nigeria
U-M host: Obstetrics and Gynecology

Tomohiro Nakayama (May 13 - 27, 2012)
Kanazawa University in Kanazawa City, Japan
U-M host: Shizuoka Family Medicine Residency Program

Students from the University for Developmental Studies School of Medicine and Health Sciences, Tamale, Ghana
Many UMMS faculty have longstanding relationships with colleagues from medical schools across the globe. These working partnerships break ground for other researchers who are expanding their work into the global health arena, and for medical students looking to gain educational, clinical, and research experiences abroad.

Over time, these partnerships grow into a wonderful collaborative network of individuals and groups working on sustainable global health projects that support the UMMS global engagement initiatives. Global REACH facilitates such synergistic partnerships through “platforms for collaboration.”

Photo: Morning street scene in Accra, Ghana
ORATION FORMS
"As much as we teach, we must also learn. International collaborations increase our understanding of the world to better prepare tomorrow’s global citizens."

— University of Michigan President Mary Sue Coleman

Ideal Collaboration Platforms foster multidimensional translational science — crossing traditional departmental and disciplinary lines to enable innovative research and educational opportunities. Global REACH Collaboration Platforms maximize faculty engagement through a translational team approach of jointly defined objectives, program design and implementation, and defined pathways for students and visiting scholars to engage.

Such institutional investment builds strong structured educational experiences for medical students that go beyond typical student exchanges. Likewise, these partnerships provide research opportunities that serve both partnering institutions equally and yield results greater than what could be achieved separately.

On October 12, 2010, officials from the University of Michigan Health System and Medical School signed a institutional agreement with Peking University Health Science Center.

President Mary Sue Coleman and Adnei Melges de Andrade, Vice-Rector for International Relations, University of São Paulo, (above) sign an institutional Memorandum of Understanding (photo courtesy of Eva Menezes/Office of the Vice President for Global Communications).

The University of Michigan Medical School and the University of São Paulo Faculty of Medicine (FMUSP) signed a Memorandum of Understanding in October 2010 during a visit to Brazil led by Dean Kolars (center).

On October 12, 2010, officials from the University of Michigan Health System and Medical School signed a institutional agreement with Peking University Health Science Center.
Emerging Platform: INDIA

- MOU signed in 2011
- 40 UMMS faculty with India-related publications
- 8 UMMS faculty have current or recent sponsored awards for research in India
- 3 M4 students did their rotations in India in 2012
- 2 visiting learners were hosted by UMMS in 2011-2012
- 2 partnership highlights are shown on pages 8-9
Ghana Platform

For more than 20 years, under the leadership of Dr. Timothy Johnson, Chair of the Department of Obstetrics & Gynecology, the University of Michigan Medical School (UMMS) has partnered with institutions in Ghana such as the University of Ghana (UG), the Kwame Nkrumah University of Science and Technology (KNUST), and the Ministry of Health/Ghana Health Service. The original partnership, which developed an in-country postgraduate training program for Obstetrician/Gynecologists, has produced 83 OBGYNs to date, all but one of whom still practice in Ghana.

Since that initial collaboration, UMMS has deepened its partnership with institutions in Ghana, and there are now currently more than 20 medical school faculty and their students engaged in work with Ghanaian partners. Some examples of their current work are shown on these pages and include research training programs, clinical training programs, administrative supplements, and other collaborative faculty projects.

Research Program Highlights

• **Northern/Pacific Global Health Research Fellows Training Consortium**
  Funded in Summer 2012 by the Fogarty International Center (NIH), this five-year grant supports the research training of postdoctoral fellows from the health science fields. UMMS student, Nauzley Abedini, and Ghanaian family practitioner, Constance Opoku, were among the first awardees selected (see page 6). Dr. Joseph Kolars, Senior Associate Dean for Education and Global Initiatives at the U-M Medical School, serves as the Principal Investigator for U-M. Ghanaian partners include UG, KNUST, University of Cape Coast (UCC), University of Developmental Studies (UDS), and the Ministry of Health/Ghana Health Service.

• **Ghana-Michigan Postdoctoral and Research Trainee NETwoRk (PARTNER I)**
  Dr. Tom Robins (PI), School of Public Health and UMMS, and Dr. Cheryl Moyer (co-I), Global REACH, led this one-year NIH-funded project. Fourteen postdoctoral fellows came from the Ghanaian PARTNER institutions to spend 4-12 months training in UMMS departments (see page 11). PARTNER II has recently been funded by NIH to continue this work and will involve an exchange relationship of 10 Ghanaian and 5 U-M postdoctoral fellows. Ghanaian PARTNER institutions include: UG, Korle-Bu Teaching Hospital, Noguchi Memorial Institute for Medical Research, KNUST, Komfo Anokye Teaching Hospital (KATH), Ministry of Health/Ghana Health Service, and Navrongo Health Research Centre.

• **Medical Education Partner Initiative (MEPI)**
  This Fogarty-funded clinical training for Emergency Medicine (EM) physicians and nurses is training the first EM specialists in Ghana. There are currently four classes of residents in training. Residents are trained clinically by U-M faculty who spend nine months per year on the ground in Ghana. KNUST is the principal institution for the MEPI program but five other Ghanaian institutional partners also participate. MEPI is led by Principal Investigator, Professor Peter Donkor, Pro Vice-Chancellor, KNUST. Dr. Terry Kowalenko, Professor of Emergency Medicine, Director of Continuous Professional Development and Professor of Medical Education, serves as lead from UMMS.

• **Initiative for Research and Innovation Management (iRIM)**
  The iRIM program is a linked supplement to the MEPI program. This NIH-funded initiative partnered the UMMS grants office with investigators at KNUST to improve the provision of grants management at KNUST by establishing a university-wide Office of Grants and Research through continued collaboration with U-M. Professor Peter Donkor, Pro Vice-Chancellor, KNUST, is the Principal Investigator and Dr. Joseph Kolars, Senior Associate Dean for Education and Global Initiatives at UMMS, serves as the Michigan co-Investigator (see page 6).
• **Perinatal Mental Health Prevalence and Needs Assessment in Ghana**
  This Global REACH-funded project relies upon closely-mentored UMMS students to collect primary data to determine the prevalence of postpartum depression among mothers presenting with a sick infant for care at an urban teaching hospital, under the leadership of Dr. Katy Gold. The project includes follow-up research dedicated to a needs assessment of key community stakeholders to determine maternal perinatal mental health and opportunities for care (see page 20).

• **International Family Planning Fellowship Program (IFPFP)**
  IFPFP is one of the first subspecialty training programs in Ghana and the first subspecialty training program in reproductive health in West Africa. The program trains obstetricians/gynecologists in Ghana to be experts in family planning. A total of four fellows (two each from the University of Ghana and Kwame Nkrumah University of Science and Technology) have thus far completed extensive training to improve their clinical, research, and leadership skills and now hold leadership positions at Ghanaian university and government hospitals. Dr. Vanessa Dalton, Assistant Professor, Department of Obstetrics and Gynecology, serves as the UMMS collaborator.

• **Ethnic Differences in Triple Negative Breast Cancer**
  Dr. Lisa A. Newman, Professor of Surgery and Director, University of Michigan Breast Care Center, leads this study, which explores the relationship between African ancestry and triple negative breast cancer using samples of breast tumors taken from women in Ann Arbor, Detroit, and Ghana. Triple negative breast cancer is known for its early onset, aggressive growth and resistance to treatment. Dr. Newman has found that, within her study, white women in the US have the lowest prevalence of triple negative breast cancer, Ghanaian women have the highest, and African-American women fall in between. This finding may help explain well-known disparities in breast cancer mortality in the US. Dr. Newman was recognized for this work when she was chosen as one of The Detroit News’ Michigamians of the Year for 2012.

• **Stillbirth and Early Neonatal Deaths in Northern Ghana (SANDS)**
  Dr. Cheryl Moyer, Managing Director of Global REACH and Research Investigator in the Department of Medical Education, worked with partners in Ghana and the US to combine quantitative data from the Navrongo Demographic Surveillance Site and qualitative data from interviews with more than 250 community members and healthcare providers to explore the prenatal, perinatal, and postnatal periods in rural northern Ghana. While the initial emphasis was understanding the first seven days of life – given that 40% of under 5 mortality occurs within the first week after birth – the study expanded to include additional assessments of such things as clean delivery practices, infant nutrition, community perceptions of infant illness, and the role of grandmothers as healthcare gatekeepers.

• **Facility-based Delivery in Rural Ghana**
  Through her role as faculty mentor for the Minority Health and Health Disparities International Training Program (MHIRT), Dr. Cheryl Moyer has led a project assessing women’s attitudes toward facility-based delivery in rural Ghana. The project, in partnership with Professor Richard Adanu, Dean of the School of Public Health at the University of Ghana, includes an assessment of barriers to facility delivery, women’s desire for lay helpers, and issues surrounding mistreatment by providers. Five students have spent a collective 15 months in the field collecting data: Keesha Crespo, Halley Crissman (UMMS M2), Amir Alexander, Aesha Mustafa, and Jamila Yakubo.
Much of the Medical School’s collaborative work with China focuses on the Joint Institute (JI) for Translational and Clinical Research, a partnership between the University of Michigan Health System (UMHS) and the Peking University Health Science Center (PUHSC). Other initiatives exist, however, and are equally important in developing and sustaining the rich clinical, educational, and research partnerships between the Medical School and educational institutions throughout China.

FY2011-2012 Highlights

- Global REACH hosted faculty, students, and delegations from PUHSC, Peking Union Medical College (PUMC), Shanghai Jiao Tong University (SJTU), Tianjin University, Tongji Medical College, and the University of South China.
- The University of Michigan Program in Biomedical Sciences enrolled several guest students from China this year, both within their summer program and as members of one of their 14 doctoral programs. Students include: Yangyang Bao, Lu Chen, Liang Dong, Yuan Liu, Congzhen Qiao, Bo Wang, and Limbo Zhao (all from SJTU).
- Two UMMS residents spent the month of September 2011 in China on specific learning projects. Jeffrey Constanzo, MD was hosted by the gastroenterology group at PUHSC Second Hospital. Asher Shafton, MD worked in the cardiology unit of PUHSC Third Hospital.
- More than 80 UMMS faculty visited PUHSC during fiscal year 2011-2012, many of them returning several times.
- Approximately one-half of the international dignitary and delegation visits hosted by Global REACH were from China (see pages 56-57).
- More than one-third of the visiting scholars hosted by Global REACH were from China (see pages 34-35).

UMHS-PUHSC Joint Institute for Translational and Clinical Research

The University of Michigan Medical School (UMMS) has a long history of clinical, educational, and research initiatives with Chinese partners, both at the individual and the institutional level. Currently, more than 20 UMMS departments are collaborating with more than 30 Chinese universities. On October 12, 2010 the Medical School’s global initiative formalized such partnerships when officials from the University of Michigan Health System and Peking University Health Science Center signed an unprecedented agreement to establish a Joint Institute for Translational and Clinical Research (JI).

The two institutions created an organizational structure, established key research programs, and developed a strategic plan designed to encourage research collaborations among faculty. Several different areas of focus were considered, but three diseases and three infrastructure cores were selected to guide their initial energies (see figure, next page).
UMHS-PUHSC Joint Institute for Translational and Clinical Research (cont’d)

Focusing on research in cardiovascular, pulmonary and liver diseases – areas of interest to both institutions – JI leaders maximized their capacity for translational research through synergistic collaborations. Infrastructure “cores” were created to work through potential issues and concerns, including human protection, biorepository and biomedical informatics, as well as research on the science of collaboration. Each program and core are co-led by a faculty member from PUHSC and UMMS. Two of the research programs (cardiovascular disease and liver disease) have subspecialty areas, also led by a faculty member from each institution. Overall JI leadership responsibility belongs to Dr. Joseph Kolars, Senior Associate Dean for Education and Global Initiatives, UMMS, and Dr. Weigang Fang, Vice President, PUHSC. They are advised by an Executive Board and an Executive Committee.

FY2011-2012 Joint Institute Highlights

• PUHSC was selected as a host and training institution for Fellows of the Fogarty Global Health Program for Fellows and Scholars (see page 6).

• In September 2011, PUHSC hosted the first annual symposium of the Joint Institute, which was attended by a multi-disciplinary delegation of more than 60 members from the U-M community (see pages 50-51). The next JI symposium will be held in Ann Arbor, November 28-30, 2012.

• Research programs and cores are now fully operational. Six JI projects have institution-appropriate IRB approval. Patient enrollment has begun for each research program and sample collection and analysis are underway.

• A generous donation from long-time benefactors Richard and Susan Rogel was used to create a Global Health Innovation Fellowship program within the U-M Medical Innovation Center. The program supports postgraduate fellows from PUHSC to come to U-M to be trained alongside U-M fellows in tackling challenges in healthcare. The first two fellows were named in Summer 2012: Edward Jan (engineering, U-M) and Ning Ji (medicine, PUHSC).

• UMMS hosted several visiting scholars this past year, including six within the cardiovascular disease program. Two M4 students, Andrew Joseph and Aristotelle Sun, completed clinical rotations through PUHSC; and M1 students, Claudia Cao, Shirley Chen, and Zhe Guan, traveled to China in Summer 2012 to conduct a small survey study related to the HCV project (see page 23-24, 28).

Learn more about the Joint Institute and read other updates in the JI newsletters at www.puuma.org
The first official Memorandum of Understanding (MOU) between the University of Michigan Medical School (UMMS) and the University of São Paulo Faculty of Medicine (FMUSP) was signed in October 2010; however, UMMS faculty members have been collaborating with partners in Brazil for several decades. One of the earliest collaborations happened in the 1950s when the well-respected former chief of the Endocrinology Division of the University of São Paulo (USP), Professor Emeritus Dr. Bernardo Léo Wajcheberg, received specific training at U-M and made an unforgettable collaboration with the outstanding UMMS scientist-physician Dr. Stefan Fajans in the field of diabetes.

In recent years, UMMS has been actively strengthening its collaborations with USP, building on a number of existing UMMS-FMUSP research programs with the aim of developing broader inter-institutional collaborations that could form the basis for a potential Joint Platform. FMUSP is widely considered to be the best medical school in Latin America, with a large research capacity and a network of hospital and ambulatory centers serving hundreds of thousands of patients. Several key foci areas of research meld perfectly with ongoing research at the University of Michigan (see next page).

Much of the collective energy over the past year has been spent in reciprocal visits focused on current and future research projects, outlying strategic objectives for a Joint Platform, and planning for the U-M Presidential Delegation to Brazil in September 2012.

2011-2012 Platform Highlights

- **USP hosted the group’s first joint symposium in April 2011; a second symposium will be held in December 2012.**
- **In Spring 2012, reciprocal research and strategic planning trips were made with UMMS traveling to Brazil in March and USP collaborators travelling to Ann Arbor in April.**
- **A steering committee consisting of Senior UMMS-FMUSP leaders was created in Summer 2012. Mission, vision, and strategic objectives for the establishment of a Joint Platform were drafted.**
- **U-M President Coleman led a delegation to Brazil in September 2012 where she signed institutional MOUs with USP, the State of São Paulo Research Foundation, and the University of Campinas. UMMS faculty **Drs. Gary Hammer and Michele Heisler** assisted in the planning for the trip and were part of the delegation.**
- **UMMS is the only foreign medical school with whom the FMUSP developed a competitive scholarship program for its medical students. Four FMUSP medical students will complete 2-month rotations at UMMS beginning December 2012.**
- **2 UMMS students spent their M4 clinical rotations at USP: **Arthur Hang (oncology/endocrinology and diabetes) and **Alberta Hsueh-Min Yen (infectious diseases).**
- **1 FMSUP medical student, **Thales Ishizaki, **spent a month training in the pneumology (pulmonology) unit at UMMS.**
- **2 USP endocrinologists, Dr. Marcondes Lerario and Dr. Lorena Lima, spent a combination of seven months in **Dr. Gary Hammer’s adrenal cancer lab.**
- **Several potential new partners have been identified at U-M from the departments of neurology, nephrology, and pathology as well as the School of Kinesiology.**
UMMS-USP Key Collaborative Research Projects and Teams

Adrenal and Other Endocrinological Cancers and Disorders

- **Gary Hammer, MD** (UMMS) and **Ana Latrônico, MD** (USP)
  USP is the South American hub of activity in regard to adrenal cancer work, and U-M’s Endocrine Oncology Program (led by Dr. Hammer) is an International Destination Program Center of Excellence for the treatment of adrenal cancer. The teams are working to create a combined tumor repository/data registry, develop a telemedicine platform for information transfer, and pilot an international faculty and student exchange program.

Endocrine Genetics Collaboration

- **Sally Camper, PhD** (UMMS) and **Luciani de Carvalho, MD** (USP)
  Investigators are working on the molecular basis of congenital hypopituitarism using new tools of DNA sequencing. This involves an expansion of the use of animals in research at USP, such as identifying stem cell markers in the pituitary gland using mouse models and using zebrafish to study the effect of environmental toxins on fertility.

Primary Care: Health Equity and Chronic Disease Management

- **Michele Heisler, MD** (UMMS); **Alexandra Brentani, MD**, **Marcia Nery, MD**, and **Thais Vale, MD** (USP)
  FMUSP has a mandate to run all primary care centers in São Paulo’s low-income Western Region (Região Oueste) where USP is located. UMMS faculty members are working with USP colleagues to develop and test innovative approaches to aid community health workers in Região Oueste as they teach self-management training to patients with chronic diseases such as diabetes mellitus.

Reproductive Endocrinology and Technology

- **Gary Smith, PhD** (UMMS); **Edmund Baracat, MD** and **Rossana Francisco, MD** (USP)
  Dr. Smith serves as the Off-Site Scientific Director of the Huntington Centers for Reproductive Medicine of Brazil, which is now the largest in-vitro fertilization (IVF) clinic in the Americas. The collaborative team has completed phase I and II clinical trials, implemented state-of-the-art infertility treatment and fertility preservation technologies, and improved fertility healthcare. The team is working to implement a Fertility Preservation Program at USP, which will provide on-site and off-site (across the entire country of Brazil) service of male and female gamete cryopreservation for individuals at risk of losing fertility due to gonadotoxic treatments for cancers, immune diseases, and transplant therapies.

Spinal Cord Injury

- **Denise Tate, PhD** (UMMS) and **Julia D’Andrea Greve, MD** (USP)
  The incidence and prevalence of Spinal Cord Injury (SCI) in the US and Brazil are among the highest in the world. The cost of caring for someone with SCI continues to exceed that of most disease conditions. Much of the current work in this program relates to the translation and validation of the International Bowel Function Basic and Extended SCI Data Sets. Collaborators are developing a standardized dataset to allow for comparisons of clinical and research SCI data between Brazil and the US.

“...The willingness of Brazilian colleagues to share DNA samples from their adrenal cancer cohort has enabled us to leverage our sample set with the National Cancer Institute TCGA (The Cancer Genome Atlas) platform that has now agreed to invest significant resources to sequence the adrenal cancer genome.”

“Dr. Gary Hammer (above, left), one of the world’s leading researchers of the rare disease adrenal cancer (photo courtesy of Eva Menezes/Office of the Vice President for Global Communications)
Global REACH celebrated many events and activities over the past year: some large, some small. Along with the research and education initiatives highlighted in previous sections of this report, Global REACH supported the Medical School’s involvement in three major events and hosted the visits of almost 100 dignitaries from around the world.

In September 2011, a delegation of more than 60 U-M faculty, staff and students traveled to Beijing to attend the 1st Annual Symposium of the Joint Institute for Translational and Clinical Research.

In November 2012, the Medical School co-sponsored and co-organized the annual meetings of the Consortium of Universities for Global Health held in Montreal.

In March 2012, we paid tribute to our friend and former UMMS student, Sujal Parikh, at the Second Annual Sujal Parikh Symposium on Health and Social Justice.

Photo: Photo collage of the hands of attendees at the 1st Annual Sujal Parikh Memorial Symposium for Health and Social Justice
The First Annual Symposium of the Joint Institute for Translational and Clinical Research was held in Beijing, China in September 2011. Hosted by the Peking University Health Science Center (PUHSC), nearly 60 University of Michigan community members from six schools and colleges were able to join their Chinese colleagues in celebration and pursuit of collaborative science. In addition to stimulating keynote addresses and focused, topic-specific workshops, attendees were entertained by Peking University medical students and treated to cultural trips to some of Beijing’s most historic and revered landmarks.
Symposium Keynote Addresses

Introduction to the Joint Institute; **Joseph Kolars, MD**, Senior Associate Dean for Education and Global Initiatives, UMMS

Introduction to NIH/NHLBI global health priorities; **Cristina Rabadán-Diehl, PhD, MPH**, Deputy Director, NIH/NHLBI Office of Global Health

Bridging basic science and clinical research: Exemplars and opportunities; **Steven Kunkel, PhD**, Senior Associate Dean for Research, UMMS

Network of tumor suppressors in translational medicine; **Yuxin Yin, PhD**, Dean of School of Basic Medical Sciences, PUHSC

Introduction to clinical and translational research in the US; **Thomas Shanley, MD**, Associate Dean, Clinical and Translational Research, UMMS

Introduction to clinical and translational research in China; **Yangfeng Wu, MD, PhD**, Professor of Epidemiology, Peking University School of Public Health

Genetic modifiers of chemotherapy for colorectal cancer; **John Carethers, MD**, Chair of Internal Medicine, UMMS

Significance of intracerebral atheromatous vascular disease in China; **Yining Huang, PhD**, Chairman and Professor of Neurology, Peking University First Hospital

Targeting key apoptosis regulators for new cancer therapeutics; **Shaomeng Wang, MD**, Warner-Lambert/Parke-Davis Professor in Medicine; Director, UMMS Cancer Drug Discovery Program

The establishment and application of clinical bio-banks of kidney disease; **Ming-hui Zhao, MD, PhD**, Director of Nephrology, Peking University First Hospital

International networks for research into renal disease; **Matthias Kretzler, MD**, Professor of Internal Medicine, UMMS
2011 CUGH Conference:
Advancing Health Equity in the 21st Century

*Held in Montreal, Canada*

Hosted by the Global Health Education Consortium, the Canadian Society for International Health, and the Consortium of Universities for Global Health

Led by a multi-disciplinary contingent of researchers from the University of Michigan Medical School (UMMS), the University was well represented at the 2011 Global Health Conference held in Montreal, Canada in November 2011. As one of the cooperating organizations and sponsors, Global REACH provided overall support for plenary, panel, and poster sessions. Dr. Joseph Kolars, UMMS Senior Associate Dean for Education and Global Initiatives, served on the Scientific Program Advisory Committee. On behalf of the medical school, he was a most amiable host for the Michigan group and its guests.

The meeting was attended by 1400 people from more than 60 countries. More than 20 representatives from the University of Michigan were in attendance, including 11 from the Medical School. In addition, Dr. Kolars and Global REACH supported the travel of several international partners to attend and present at the meetings.

**Visiting Faculty and Scholars Sponsored by Global REACH**

**Dr. Peter Donkor**  
Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana

**Ms. Sandra Danso-Bamfo**  
University of Ghana (UG), Accra

**Dr. Marion Jacobs**  
University of Cape Town (UCT), South Africa

**Dr. Ephata Kaaya**  
Muhimbili University of Health and Allied Sciences, Dar es Salaam, Tanzania

**Dr. Abdel Koumare**  
University of Bamako, Mali

**Dr. Aaron Lawson**  
University of Ghana, Accra

**Dr. Nelson Sewankambo**  
Makerere University, Kampala, Uganda
Participation Activities of UMMS Faculty, Students, and Guests

Plenary VI: Designing partnerships that benefit institutions in under-resourced settings: Perspectives from Sub-Saharan Africa

*Moderator:* Joseph C Kolars, Senior Associate Dean for Education and Global Health, University of Michigan Medical School

**Perspectives from Faculty of Health Sciences, University of Cape Town, South Africa**
Marion Jacobs; University of Cape Town

**Perspectives from Makerere University College of Health Sciences in Kampala, Uganda**
Nelson Sewankambo; Makerere University

**Perspectives from Kwame Nkrumah University of Science and Technology, Kumasi, Ghana**
Peter Donkor; Kwame Nkrumah University of Science and Technology

Panel and Poster Presentations

**Understanding the impact of short international service trips on medical students**
N Abedini, LD Gruppen, JC Kolars, A Kumagai; University of Michigan

**What’s the value of clinical exchanges for Ghanaian trainees? An evaluation of the Ghana-Michigan partnership**
S Danso-Bamfo, S Obed, C Ntim-Ampomsah; University of Ghana
N Abedini, C Moyer, TR Johnson, JC Kolars; University of Michigan
K Danso; Kwame Nkrumah University of Science and Technology

**Bridging biomedical science with faith-based influence to mobilize clergy through religious leader networks**
AO Fuller, C Duan, L Mac, S Cohen; University of Michigan
P Kawimbe; African Methodist Episcopal Church, Lusaka, Zambia

**Increasing adoption of SMS-based drug authenticity verification: A qualitative evaluation of consumer marketing and awareness methods**
S Gulati; University of Michigan

**Training in pedagogy and applied research for faculty in Francophone Africa**
AK Koumare, OK Doumbo, B Cisse; University of Bamako, Bamako, Mali

**Human resources for health: A learning grant for capacity strengthening in Ghana**
A Lawson; University of Ghana, Accra

**Global cancer control programs: Innovative interplay between the social and biological determinants of the cancer burden of disease using cancer registries**
S Merajver; University of Michigan

**Telehealth for diabetes and NCD management in Latin America**
J Piette; University of Michigan

For complete program information, go to [http://www.xcdtech.com/ghc2011/program.html](http://www.xcdtech.com/ghc2011/program.html)

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Emma Lawrence, UMMS M1 student, received the Anvar and Pari Velji Award for Global Health Excellence: GHEC Emerging Leaders in Global Health
Sujal Parikh Memorial Symposium
March 24-25, 2012

Symposium Honors Former UMMS Student

Sujal Parikh was an M4 student participating in a one-year Fogarty International Fellowship in Uganda when a tragic road accident claimed his life on October 10, 2010. He had been in Uganda for just a few months working to address medical education issues and tackle critical problems associated with pediatric HIV/AIDS at the Joint Clinical Research Centre in Kampala. Sujal was born and raised in Dallas, Texas, the only child of Manoj and Sita Parikh. He received his undergraduate degree in public health and neurobiology from the University of California, Berkeley.

Sujal’s passing had a profound effect on the University of Michigan Medical School community – even those who didn’t know him well. Sujal joined our community in 2007 as a first year medical student, and he instantly became an active, vibrant, and inspirational member of our UMMS family.

Sujal was passionate about social justice as exemplified by his research and advocacy on health and human rights, access to medicines, medical education, and infectious disease issues in the US, Sub-Saharan Africa, and India. His passion, as well as compassion for others, led to his active involvement in several groups addressing human rights and health care disparities across the globe.

He provided dedicated service and inspirational leadership to many groups including the Student Advisory Board for Physicians for Human Rights (PHR), Student Advisory Committee for the Global Health Education Consortium, Universities Associated for Essential Medicines, American Medical Student Association (AMSA) AIDS Advocacy Network Steering Committee, and Board of Trustees for Uganda Village Project. He was also the Associate Editor-in-Chief of, and a writer for, Global Pulse, the AMSA International Health Journal. A passionate believer in the collective power of committed individuals to advance health and social justice, Sujal leveraged his networks within these organizations to make each of them stronger.

Full of charisma and compassion, Sujal forged communities of friends and colleagues around the world. In the wake of his untimely loss, those who loved him, and were inspired by him, came together to honor his work by creating the Sujal Parikh Memorial Symposium for Health and Social Justice. The 2011 symposium, ‘The Social (Justice) Network,’ brought together a diverse group of students and professionals to learn from one another, create lasting connections, and generate new ideas for the advancement of health and social justice. The 2012 symposium was propelled forward by the momentum of the inaugural event and collaborated with the annual PHR meetings to build an even larger network of conference supporters.

Sujal’s legacy continues through the tireless efforts of those who want to see his dreams of a more just world become a reality.
Second Annual Sujal Parikh Memorial Symposium for Health and Social Justice: Sustainable Connections & Collaborations for Health and Human Rights

A joint conference of:
The University of Michigan Sujal Parikh Memorial Symposium for Health & Social Justice and The Physicians for Human Rights National Conference

Keynotes and Remarks by:
Frank Anderson, MD, MPH
Clinical Associate Professor of Obstetrics and Gynecology, University of Michigan Medical School; Associate Professor, Health Behavior Health Education, University of Michigan School of Public Health

Arash Alaei, MD and Kamiar Alaei, MD
WHO/PAHO consultants on health and human rights (Iranian brothers imprisoned for more than two years for their work fighting HIV/AIDS)

Cynthia Ho, JD
Clifford E Vickrey Research Professor, Loyola University Chicago School of Law

Joseph Kolars, MD
Senior Associate Dean for Education and Global Initiatives; Professor of Internal Medicine, University of Michigan Medical School

Evan Lyon, MD
Senior Clinician, Partners in Health; Assistant Professor, University of Chicago Pritzker School of Medicine

Susannah Sirkin, MEd
Deputy Director, Physicians for Human Rights

Sujal’s friends have established a community committed to carrying on his work and ensuring that his spirit continues to inspire a better world. Learn more at http://sujalsymposium.org/about/

SAVE THE DATE: The Third Annual Sujal Parikh Memorial Symposium will be held March 23, 2013
In addition to almost 100 visiting scholars and learners who came to the medical campus between July 2011 and June 2012, Global REACH facilitated the visits of another 100 dignitaries hosted by various University of Michigan units.

Dignitaries and Delegations

- **Dr. Daniela Miladinova**
  Ss. Cyril and Methodius, Macedonia
  Hosted by Internal Medicine

- Shizuoka Prefecture, Japan
  Group hosted by Japanese Family Medicine

- University of South China, China
  Group hosted by Cardiovascular Center

- National Cerebral and Cardiovascular Center, Japan
  Group hosted by Emergency Medicine

- Multiple Institutes, China
  Group hosted by Ophthalmology

- Liaoning Provincial Government, China
  Group hosted by School of Public Health

- Shui On Land Company, China
  Group hosted by the Development Office

- **Dr. Jia Tian**
  Peking University Health Science Center, China
  Hosted by Medical Innovation Center

- Tianjin University, China
  Group hosted by Global REACH

- University of São Paulo, Brazil
  Group hosted by Global REACH

- Shanghai Jiao Tong University, China
  Group hosted by Global REACH

- MI-China Leadership Forum, China
  Group hosted by Central Campus

- Shandong University, China
  Group hosted by Kinesiology

- **Dr. Peter Brooks**
  Australian Health Workforce Institute, Australia
  Hosted by Pediatrics

- JPN Apex Trauma Center, India
  Group hosted by Surgery

- Jerudong Park Medical School, Brunei
  Group hosted by Physical Medicine & Rehabilitation

- **Dr. Weiwei Du and Ms. Qiudan Sun**
  Office of International Cooperation
  **Dr. Yanfang Wang**
  Peking University Clinical Research Institute
  Peking University Health Science Center, China
  Hosted by Global Reach

**Dr. Daniela Miladinova (above right) shown with Carrie Ashton, the Global REACH Global Visitors Coordinator**

**Dr. Joseph Kolars, Senior Associate Dean for Education and Global Initiatives shown with members of the U-M President’s China Leadership Forum who have medical school ties**

**Members of the Shizuoka Prefecture delegation were able to tour many UMMS clinical and research facilities**
International Dignitary Visits

Members of the delegation from Shandong University are shown with Global REACH staff (above). At right, Professor Xingang Li, MD, Associate Dean for International Affairs, presents Dr. Kolars with information about Shandong University Medical School.

At left, UMMS faculty enjoy lunch with their collaborators from the University of São Paulo, Brazil.

Below, the Shizuoka Prefecture delegation visits local medical centers and health facilities.
Two University travel initiatives – rolled out over the past few years – came to full implementation in late 2011. The University’s new study abroad software program, **M-Compass**, supports U-M students participating in international programs, including research and clinical experiences. The University’s **Travel Registry** has expanded from an undergraduate-mandated registry to a program now requiring all U-M faculty, staff, and students traveling abroad for University-related purposes to register their international travel prior to departure.

**M-Compass**

M-Compass is a centralized software program created to bring better service to students who are seeking experience abroad programs and better efficiency for those units that administer such programs. Students are able to search for University-wide international opportunities using many different search parameters; while administrative units can publish their program materials, process applications, and capture and track statistics such as daily traffic and number of participants selecting particular programs. Moreover, M-Compass serves as a centralized portal for shared resources such as pre-training and evaluation tools, preparation materials, learning content, and announcements.

Five U-M units were selected for the initial pilot implementation, one of which was Global REACH. **Heather Mäkiharju**, Student Programs Coordinator for Global REACH, led the pilot project for the Medical School. Mäkiharju also serves as the UMMS representative on the Council for Global Engagement – members of which were instrumental in driving the content and development of M-Compass. Global REACH began using M-Compass in July 2011 to track M4 grant applications. Since then, more than 50 UMMS student applications have been processed through M-Compass; including M4 clinical electives, small group summer experiences, non-traditional funding, and conference support applications.

**Travel Registry**

The University provides a secure website for faculty, staff, and students to record travel plans and contact information. The Travel Registry provides a list of countries under current travel restrictions and supports emergency communications and access to University-approved travel abroad health insurance – including emergency evacuation in the event of political instability or natural disasters. In accordance with U-M’s International Travel Policy, SPG 601.31, all University faculty, staff, and students are required to register their international travel plans when traveling for University-related purposes.

**Global Michigan**

New in Fall 2012: the University of Michigan’s Global Portal has been redesigned. It houses fast facts about the University’s engagements abroad and includes an interactive map of international research projects, including those of UMMS faculty provided by Global REACH.
U-M Medical School Administration: 2011 Staff Awards for Excellence

In December 2011, four members of the Global REACH office received Medical School Administration (MSA) staff awards. The ‘Awards for Excellence’ program is designed to give special recognition to MSA staff for distinctive service.

MSA Award for Integration, Collaboration and Teamwork

Two awards are given each year to teams that include three or more MSA staff members and may also include faculty integral to the effort. Nominated teams embrace the concept that *we are stronger when we work together* and have a track record of meeting the team’s mission. Teams may be tasked with solving a particular problem or be an established team within MSA providing service to customers.

Carrie Ashton, Robyn Hodges, and Amy Huang were honored for their team efforts in co-organizing the September 2011 Joint Institute Symposium in Beijing, China (see pages 50-51) and facilitating the travel of more than 60 members of the University community, including deans from medicine, dentistry, public health, nursing and business. In addition to the logistical challenges of coordinating flights, visas, and individualized itineraries for all participants, the team worked with JI colleagues in China to plan and implement the symposium in its entirety. In addition, the team helped to organize several side events such as JI leadership meetings with Michigan Governor Richard Snyder, who happened to be in China at the same time as the U-M delegation. The team received praise from all who were involved, and were true ambassadors of the Medical School and the University of Michigan at large.

MSA Staff Leadership Award

One staff member in a leadership/managerial role is selected each year to receive the MSA Staff Leadership Award. Nominees are expected to be leaders who create a positive work environment and focus on careful investment of the resources under their responsibility. They also demonstrate leadership in helping other staff align with MSA future aspirations, stewardship of physical space, and success in mentoring a productive workforce.

Global REACH managing director, Cheryl Moyer, received the 2011 Staff Leadership Award. Dr. Moyer was nominated by her staff members who noted – not only their appreciation of her energy, ideas, and team approach – but also the constant line of students who met with her for guidance and reassurance.
One important goal of Global REACH is to encourage the growth of a community of researchers, clinicians, and educators at the University of Michigan Medical School who are interested in and committed to global health. With 29 departments and more than 2000 faculty, the Medical School has a vibrant and diverse portfolio of faculty with global health engagements. Yet our size and diversity often makes it difficult for faculty from different departments to appreciate the activities of their colleagues and to realize the potential for synergy. With that in mind, Global REACH launched the Global Initiatives Leadership Council in June 2012.

The Global Leadership Council consists of representatives from clinical and basic science departments that have expressed an interest in sharing their global health work or learning about others’ efforts. Department chairs were approached and asked for designees within their department, and additional interested faculty have come forward to participate as well. The forum meets 4-6 times per year to share best practices, discuss funding strategies, and present case studies of successful global health endeavors.

To date, the following departments and departmental representatives have engaged in the Global Leadership Council at the Medical School:

- **Anesthesiology**
  - Kevin Tremper
- **Biological Chemistry**
  - Ruma Banerjee
- **Cardiac Surgery**
  - Frank Fazzalari
- **Dermatology**
  - James Elder and Johann Gudjonsson
- **Emergency Medicine**
  - Terry Kowalenko, Rockefeller Oteng
- **Family Medicine**
  - Rusty Chavey, Katy Gold
- **Human Genetics**
  - Sally Camper
- **Internal Medicine**
  - Ojo Akinlolu, Hari Conjeevaram
- **Medical Education**
  - Robert Anderson, Larry Gruppen, Patricia Mullan
- **Micro/Immunology**
  - Victor DiRita
- **Molecular & Integrative Physiology**
  - Bishr Omary
- **Neurology**
  - Jonathan Finks
- **Neurosurgery**
  - Karin Muraszko
- **OB/GYN**
  - Frank Anderson, Tim Johnson, Seanit Fisseh
- **Office of Enabling Technologies**
  - Ted Hanss, Kathleen Ludvig-Omollo
- **Ophthalmology**
  - Hunson (Kaz) Soong, Jonathan Trobe
- **Orthopedic Surgery**
  - Edward Wojtys, Joel Gagnier
- **Otolaryngology**
  - Hussam El-Kashlan
- **Pediatrics & Community Diseases**
  - Valerie Castle
- **Physical Medicine & Rehabilitation**
  - Andy Haig, Denise Tate
- **Psychiatry**
  - Bruno Giordani, Michele Riba
- **Radiation Oncology**
  - Feng-Ming (Spring) Kong
- **Radiology**
  - Reed Dunnick
- **Surgery**
  - Krishnan Raghavendran, Lisa Newman
- **Urology**
  - John Park

Would you like to join our community?

Email [globalreach@umich.edu](mailto:globalreach@umich.edu) and ask to have your email address added to any or all of the following lists:

- Global REACH monthly updates
- Events and funding announcements related to Ghana
- Events and funding announcements related to China
- Events and funding announcements related to Brazil
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