



IIT Alumni Michigan Chapter

Presents

Globally Responsible Engineering and Social Equity

Case studies with IITs

A Presentation followed by an Open Discussion

by

Dr. Rajan Dewar MBBS, PhD

University of Michigan School of Medicine

Date: Friday, May 13th, 2016

6:00pm: Registration; 6:30pm: Presentation

Venue: Room 1690, Bob and Betty Beyster Building
2260 Hayward St

University of Michigan (North Campus) Ann Arbor MI 48109

No Admission Charge; Light Refreshments will be provided

Summary

The lecture will focus on our current project on cervical cancer screening started about 6 years ago in rural south India. In addition to establishing a cancer screening program in south India, investigating low cost technologies for diagnostics & human capacity training (HPV and other microfluidics based devices – CFTCC, Boston and Indian Institute of Technology, Chennai and Mumbai) are my current areas of research. In the past 6 years we have screened in predominantly rural districts and villages.

Employing an effective tool which does not require extensive infrastructure is an essential key to develop a sustainable screening program for women in low-middle income countries throughout the world, and that has stayed the focus of my research work. Technology based solutions, which apply at the grassroots which are not primarily profit focused but have an element of entrepreneurship and successful implementation strategies are key when working in the global health arena.

In this lecture, I will emphasize three areas: Supply chain of diagnostics (Ross school), human capacity training (IIT-Bombay) and Low cost technology (Socially responsible project - IIT Madras). The development of a combined two-step device that can aid HPV testing and cytology based screening will make a tremendous impact in many of the LMICs.

RSVP to: Kumar Sambandan, k.sambandan@gmail.com (734-604-7662)

About the Speaker



Dr. Rajan Dewar MBBS, PhD
Associate Professor,
Hematopathology and Molecular Genetic Pathology
Director, Hematology Laboratory
Department of Pathology
University of Michigan School of Medicine

Dr. Rajan Dewar received his MBBS from Madras Medical College, Madras (Chennai), India in 1993 and MS (Biomedical Engineering) from UT Southwestern Medical Center, Dallas, TX & Ph.D. (Biomedical Engineering) from the Indian Institute of Technology, Bombay (Mumbai) in 1999. His residency and fellowship training in Anatomic and Clinical Pathology at Yale University School of Medicine and fellowships in Molecular Genetic Pathology & Hematopathology, which he completed in 2006. He joined as a faculty member at the Department of Pathology at Beth Israel Deaconess Medical Center, Boston & Instructor in Pathology of the Harvard Medical School in August 2006. He directed the automated hematology laboratory there for 9 years. He participated actively in medical student and resident teaching; He also developed research interests in Ph+ALL, bone marrow microenvironment and recently on cell of origin identification in Diffuse Large B-cell Lymphoma. While at Harvard, he graduated from the Global Health Delivery Intensive program, offered by the TH Chan Harvard School of Public Health and Harvard Medical School, and directed a program in global health for cancer screening in rural women in South India. He was also affiliate faculty of the Harvard Divinity School.

In September 2015, Dr. Dewar joined the faculty of the University Of Michigan Department Of Pathology as an Associate Professor. Currently, he serves as the Director of the hematology laboratories of the UMHS. He is the author of more than 75 peer-reviewed publications, book chapters, educational products and abstracts. Dr. Dewar has been an invited speaker at numerous local, national and international presentations. He is board certified in Anatomic and Clinical Pathology, Hematopathology and Molecular Genetic Pathology.

Map and Directions:

[North Campus parking](#)

For parking and entering the building, here are some reasonable options:

1. Park at NC27 parking lot. Entrance to parking lot is off Murfin Street, near North Campus commons. Then walk over to the Bob and Betty Beyster Building (see map). This is the "rear" entrance to the building.
2. Park at the NC45 or NC48 parking lot on Hayward St. (near Murfin). Then, walk over to the Bob and Betty Beyster Building at 2260 Hayward St. Note: If you arrive after 7 PM, you will need to use the rear entrance to the building as the entrance on Hayward is locked. To get there, simply go down the stairs next to the building and enter from the rear entrance.
3. Any other parking shown in blue, including street parking on Bonisteel Blvd.

Normally, after 6 PM, parking should be free in visitor and blue permit spots, but do check the signs to be sure. Enforcement times should be posted there. Occasionally, there may be a charge for parking (especially in NC27), if there is a special event going on at Stamps Auditorium.

