

# 2011 RAD-AID Conference

## 2011 RAD-AID Conference on Radiology for Developing Countries

**October 30, 2011, hosted by Johns Hopkins Hospital in Baltimore, Maryland**



The Third Annual RAD-AID Conference of 2011 was held on October 30th at the Johns Hopkins School of Medicine. As an interdisciplinary forum consisting of NGOs, academic medical centers, radiologists,



technologists, nurses, humanitarian aid workers, businesses, and engineers, the RAD-AID Conference presents strategies for increasing access to radiology services for improving health care in the developing world. RAD-AID 2011 began with a warm welcome from Dr. Jonathan Lewin, Chairman of Johns Hopkins Radiology (shown at left), followed by an overview of conference objectives from RAD-AID's Founder, Dr. Daniel J. Mollura (not shown).

The first panel, **Economics of International Radiology**, featured presentations from Dr. Frank Lexa (shown at right), of the Wharton School of Business, and Anna Starikovsky, RAD-AID's Director of Health Care Economic Development. This panel discussed partnerships between nonprofit health organizations and business schools as a strong mechanism for radiology service planning and implementation using interdisciplinary teams of medical and business professionals.



The second panel, **Public Health of Global Radiology**, featured Dr. Pablo Jimenez of the World Health Organization and Pan American Health Organization (WHO/PAHO) (shown at right), presenting on



key shortages of radiology equipment in the developing world, and the need for improved training to optimize limited radiology resources. Dr. Sanjay Jain (shown at left), Director of the Johns Hopkins Center for Infection Inflammation Imaging Research, presented on the key role of medical

imaging in the management of global tuberculosis. This panel addressed how the achievement of key world health objectives, such as cancer and infectious disease prevention and control, warrant the increased access to sustainable medical imaging.



The third panel, **Clinical Imaging Models and Radiology Service Strategies for**



**the Developing World**, presented a range of medical imaging approaches for limited resource regions. The first segment of this panel presented four ultrasound strategies in Africa, including Dr. Kristen DeStigter of Imaging the World (ITW), Dr. Elizabeth Krebs of Physicians Ultrasound in Rwanda Education (PURE), Dr. Robert Nathan of University of Washington, and Dr. William Marks of Radia Medical Imaging (shown left to right in photo at left with Drs. Marks and Nathan shown at podiums on right and far right, respectively).



The second segment of the Clinical Models panel focused on women's health, featuring Dr. Richard Hirsh of Radiology Mammography International (shown at left) and Dr. Kathryn Everton, RAD-AID's Director of Women's Imaging, to discuss women's health projects including mammography for breast cancer screening, DEXA for osteoporosis management, as well as mobile health solutions for outreach screening among marginalized populations.

The fourth panel, **International Education for Attendings, Residents, Technologists and Nurses for Global Service**, presented educational strategies for training health personnel involved in medical imaging in the developing world. Dr. Charles Maxfield of Duke University and Adjunct RAD-AID Faculty (shown far right) with Dr. Matthew Lungren, RAD-AID's Director of Education, presented RAD-AID's exchange faculty lecture program in China. Emily Timmreck Jackson (shown at right) presented on the new partnership between RAD-AID and the



Association for Radiologic and Imaging Nursing (ARIN) in describing key roles for radiologic imaging nurses in global health projects. Brad Short (shown below-left) of the American College of Radiology (ACR) presented on the ACR's initiatives for multiple countries to prioritize international public service and residency training opportunities. Dr. Ryan Sydnor discussed RAD-AID's residency curriculum development efforts and evolving projects in Haiti.



The fifth panel, **Technology for Radiology and Health Care in Developing**

**Countries**, presented technology innovation for imaging services in limited resource regions. Dr. Brian Choi, Co-Director of Cardiac Imaging at the George Washington School of Medicine (shown at far right) presented on smartphone based transmission and interpretation of echocardiograms in Honduras. Dr. Ezana Azene, RAD-AID Director of Research, discussed the RAD-AID online learning management system (LMS) for training overseas health workers. Jonathan Mazal, the 2011 RAD-AID Conference Manager and Board Member for the World Radiography Educational Trust Fund (shown at right) presented on mobile electronic devices (MED) for portable digital learning resources used by radiologic technologists.



\*ACKNOWLEDGEMENTS: Dr. William Mayo-Smith of the RSNA International Committee and Dr. Vicki Noble of Massachusetts General Hospital were unable to present on the Clinical Models panel due to inclement weather on October 30th, but their contributions to this content are highly appreciated by the RAD-AID Team.