

Medical Education Applications

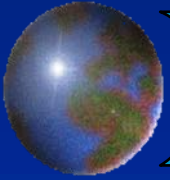
Chinese American Networking Symposium

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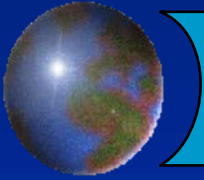
University of Michigan Medical School

2 December 2004



University of Michigan





Medical School Facts

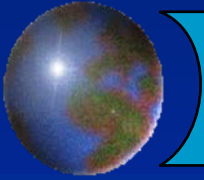
- ❖ 670 medical students
- ❖ 800 graduate students and post-docs
- ❖ 2,000 faculty
- ❖ \$750,000,000 annual budget (does not include Hospital operations)



Why International Partnerships?

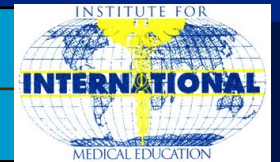
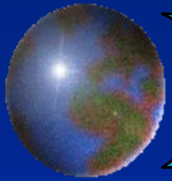
✦ Student exchange

- Interest by students and residents for international opportunities
- Important aspect of recruiting for students and residents
- Provides students with a diversity of contexts in which to learn
- Students see other healthcare systems
- Teaches professional values



Why International Partnerships?

- ❖ Opportunities for collaboration
 - Multi-center international trials
 - International interest in Michigan's educational programs
 - Opportunities to collaborate on international education research
 - Formal medical school collaborations

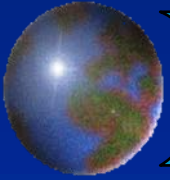


Global Medical Education Collaboration

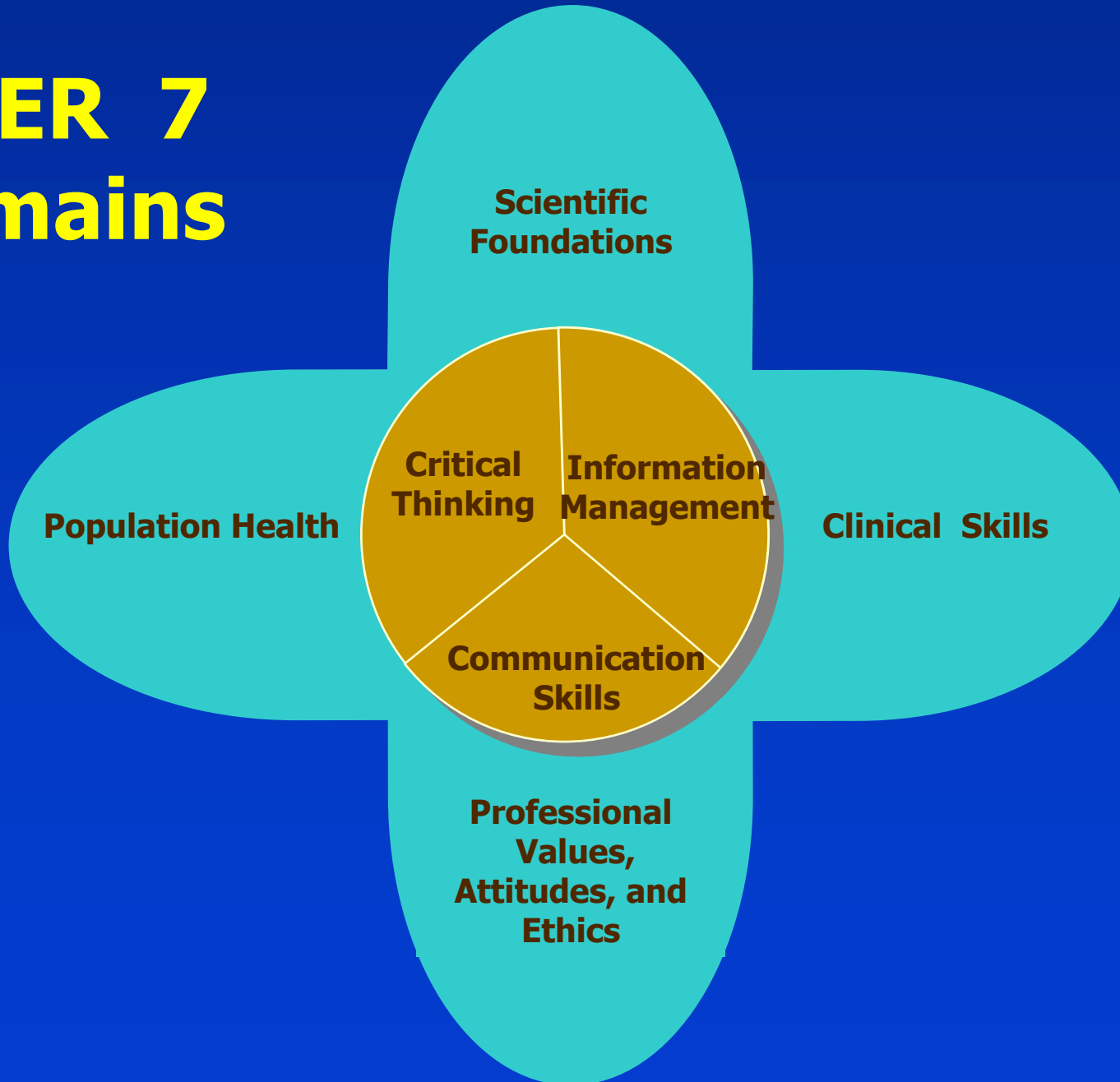
- ❖ China Medical Board
- ❖ Institute for International Medical Education
- ❖ Purpose:
 - ❑ Create Global Minimum Essential Requirements (GMER)
 - ❑ Evaluate Chinese medical students/schools
 - ❑ Share with the globe



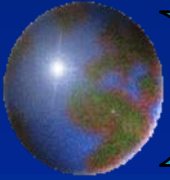
M. Roy Schwarz and Andrzej Wojtczak at Xiang-Ya Medical School, China



GMER 7 Domains

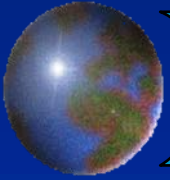






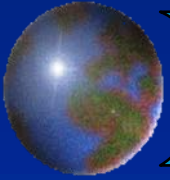
International Medical Education Training Workshop





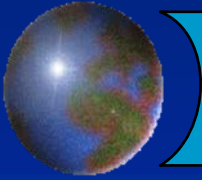
Multiple Choice Examination





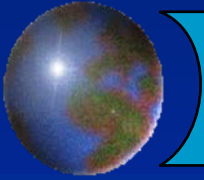
Clinical Examination





International Collaborations in China

- University of Washington Medical Education Training Program with Sichuan (West China) University Medical School and China Medical University (Shenyang)
- UCSF and Columbia University student exchange programs with Peking Union Medical College
- University of Michigan assisting Shanghai Jiaotong University with development of new medical school
- National Board of Medical Examiners collaboration with test development center at China Medical University, Shenyang
- University of Michigan Medical Education Research Training Program with Peking Union Medical College



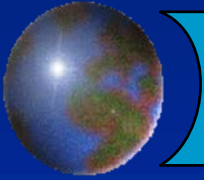
China Medical Board Projects

❖ University of Michigan and Peking Union Medical College

❑ Information courtesy of David Stern from the University of Michigan

❖ University of Washington and China Medical University

❑ Information courtesy of Jan Carline, Chuck Dohner, and Donn Strand from the University of Washington



UW and China Medical University

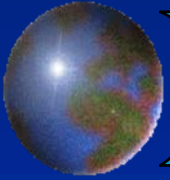
◆ Goals

- ◆ Train CMU faculty in medical education, e.g., through implementing General Medical Education Requirements (GMER)
- ◆ Support training and evaluation projects focusing on the implementation of GMER
- ◆ Further the development of CMU as a resource in medical education innovation for other medical schools



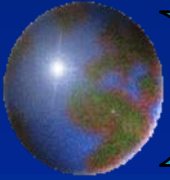
Methods

- ❖ Five CMU faculty stay in Seattle for nine months and participate in formal and informal instruction focusing on the educational aspects of GMER domains
- ❖ CMU faculty are paired with UW faculty to work on developing curriculum for faculty workshops at CMU, developing evaluation methods, and collaborative research



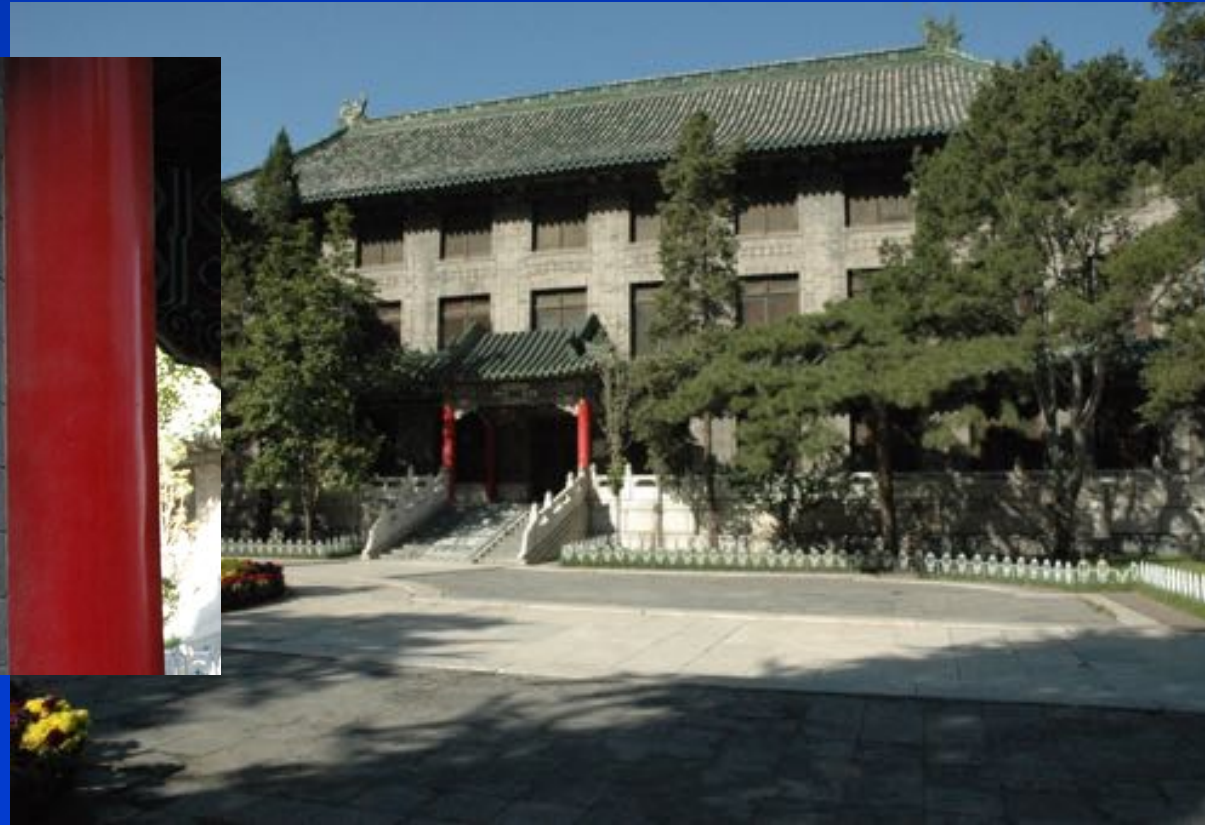
Methods, cont.

- Maintain contact and collaborative work between the two institutions formally for at least the next three years



University of Michigan and PUMC

✦ Identical program and goals





Online Collaboration Opportunity

- ✦ Currently, the China Medical Board projects only involve air travel
- ✦ With online collaboration, could
 - ▣ facilitate informal and formal faculty interactions beyond on-site period
 - ▣ deliver faculty development workshops to a larger number of faculty
 - ▣ share data and research and evaluation resources

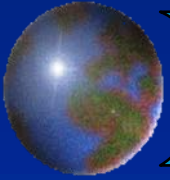
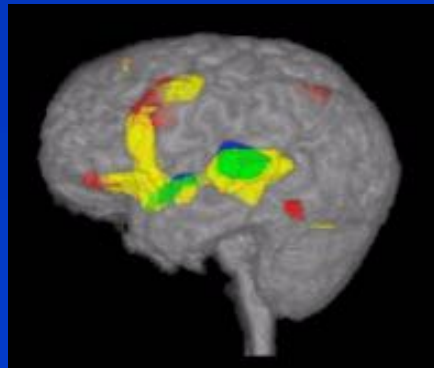
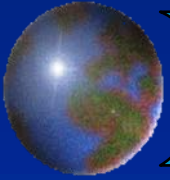


Image Sharing

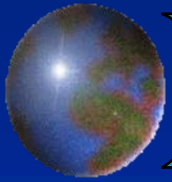
⊕ Physicians review complex cases





What's Required?

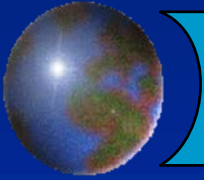
- ❖ Identification of infrastructure experts in U.S. and China to work with the physicians and medical educators
- ❖ Establishment of standards for supporting online collaboration (videoconferencing and web sites)
- ❖ Commitment to develop prototypes during 2005



Tsinghua and Peking Universities, CERNET

- Access expertise for videoconferencing and networking





Proposal

✦ Before CANS2005

- ✦ Establish a special interest group (mail list) for support of medical collaborations
- ✦ Prototype H.323 videoconferences with a small number of U.S. and China medical schools
- ✦ Report on progress and include medical schools at CANS2005



International Partnerships

- ⊕ Allow us to share global expertise
- ⊕ Ensure high quality medical education
- ⊕ Promote high quality international health care
- ⊕ Provide opportunities to see the world of education, of health, and of healthcare in a different way



Questions?

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