HMB396Y0: International Research Project in Human Biology
Course Syllabus

**Description:**
Your individual, independent research project is supervised by a faculty member at either Shandong University (China) or National Chaio-Tung University (Taiwan). This unique opportunity to conduct a lab-based research project is open to students in any Human Biology program. In each laboratory, students will have the opportunity to learn the techniques required for the specific research project. Researchers are currently working in the areas of cellular and molecular biology, signal transduction, neuroscience, microbiology and infectious diseases, cancer research, immunology, bioinformatics, system biology, computational biology, nano-biotechnology, nano-medicine and drug delivery, cellular imaging, bio-electronics and bio-fuel.

**Prerequisites:**
At least 10.0 FCEs including relevant courses in human biology.

**Readings:**
There are no required textbooks for this course. Readings will consist of journal articles and other documents related to the research project.

**Evaluation:**
Weekly Journal Club. Students will be taught how to research scientific articles on the web, and how to prepare and give a scientific presentation in class. Students will feedback about their presentations. Each student will do one presentation throughout the program.  
- **Weekly Journal Club:** 35%
- **Participation (lab):** 15%
- **Final Report for lab work (12-15 pages)** graded by U of T professor: 50%

Due August 20, 2016

**Schedule:**
**Taiwan:** June 27 – August 13, 2016 (7 weeks)
**China:** June 11 – August 13, 2016 (9 weeks)