

**The following list will be updated as information comes in. The newest information will appear at the top of the page.**

**DATE ADDED: 5/31/11**

**Project Description:** This project aim was to create a patient education pamphlet for patients newly diagnosed with celiac disease. The information in the pamphlet is based on a review of existing patient education materials.

**Potential Role of MSI student:** Continue to compare educational material available to the public. Test the pamphlet with patients/providers, make any necessary changes and then try to get the pamphlet more widely distributed. (This is only a general idea of the project, a more detailed plan will be made with the mentor.

**Who to contact:** Bonnie Jortberg, Department of Family Medicine.  
[Bonnie.jortberg@ucdenver.edu](mailto:Bonnie.jortberg@ucdenver.edu)

**DATE ADDED: 4/19/11**

**Project Description:** This project aims to determine the relationship of sun damage shown in ultraviolet photographs with melanoma risk factors. We have combined ultraviolet photography with an ongoing melanoma risk factor cohort study through the Department of Dermatology and the Colorado School of Public Health. An ultraviolet camera has been used to capture photographs of over 585 children, and results are currently in the process of submission for publication.

**Potential Role of MSI:** Continuing the project by taking being in charge of taking additional photographs over the summer of 2011 or 2012 to see how the sun damage in ultraviolet photographs changes over time. This would involve a time commitment for that summer and would be an excellent educational experience with significant potential for publication.

**Who to contact:** Ryan Gamble, MD at [ryan.gamble@ucdenver.edu](mailto:ryan.gamble@ucdenver.edu), Robert Dellavalle, MD, PhD, MSPH at [robert.dellavalle@ucdenver.edu](mailto:robert.dellavalle@ucdenver.edu)

**Description of project:** Research in General/Endocrine Surgery

We are in the process of gathering a database of all thyroid/parathyroid surgeries that have been performed in the UCH hospital in the past few years. So far, we have written/presented a few papers about the outcomes of these surgeries, on topics such as complication rates with central neck dissections, effects on post-operative hypocalcemia based on preoperative vitamin D levels.

**Potential Role of MSI:** We would love another MS1 to continue the project and help us gather more data. The mentors are Dr. Christopher Raeburn and Dr. Robert McIntyre, who are both great doctors and advocates of medical students. I have really enjoyed working with them, and have had a chance to get to know the surgery department better as well. This is a great project to work on if you are trying to pursue a career in surgery in the future!

**Contact information:** Yihan Lin, MS3 ([yihan.lin@ucdenver.edu](mailto:yihan.lin@ucdenver.edu))

**Description of Project:** Aerospace/Biomedical Engineering. Twice a year, NASA's Johnson Space Center in Houston, TX takes five to six 4th year medical students and residents for an Aerospace Medicine Clerkship (usually April and October). This is a self-funded trip, but allows the students incredible access to Mission Control, research labs, simulators, astronauts, and Flight Surgeons trained in Aerospace Medicine. During my rotation, I worked on a project titled "Neuroendocrine Regulation of Intracranial Hypertension." This was to contribute to a body of work dedicated to solving a recent problem of some astronauts returning from long-term flight with elevated CSF pressures. Others worked on analyzing post-flight fracture rates in astronauts, modifying ACLS for austere environments, and contributing to a medical risk-prediction model for a potential 2-yr mission to Mars. During my month, I was afforded enough time to complete the vast majority of my paper, PPT and poster required for the MSA. I had support and guidance from a specific mentor who is now helping me prepare a paper for publication.

**Contact Information:** Ms. Elisca Hicks (see link). She is very personable- a great person to call with questions.

<http://www.nasa.gov/centers/johnson/slsd/about/divisions/spacemed/education/amc.html>

**Description of Project:** Student/Refugee Health Education Collaboration (SHREC) As the product of three years of research by former medical students, Ray Choi and Helenka Rowe wrote the curriculum of the Refugee Health elective which was offered for the first time in the spring of 2011.

For students interested in participating in the development and evaluation of this curriculum, MSA opportunities include:

**Potential Role:**

1. Implementation of suggestions from the first class and evaluation of the curriculum:

This involves modifying the curriculum to better meet the needs of the refugee populations and the students, and evaluating the evolution of student attitudes and beliefs regarding healthcare of refugees. Students would also work to encourage interdepartmental collaboration in the area of refugee health, working with the various tracks and the other health programs on campus.

2. creation of an elective that complements Refugee Health I in the social and clinical areas:

A basic outline for a "Refugee Health II" course has been written and could be used to aid in the development of the elective. A new clinical elective is under the direction of Dr. Rita Lee and may be in need of student involvement as well.

**Contact Information:** Ray Choi ([ray.choi@ucdenver.edu](mailto:ray.choi@ucdenver.edu)) or Helenka Rowe ([helenka.rowe@ucdenver.edu](mailto:helenka.rowe@ucdenver.edu)) for more information.