

2006 Barrett Foundation Scholars Organizational Meeting
February 2, 2006

Objectives:

- Introduce prospective students to the Barrett Foundation Scholars program
- Provide an opportunity for students to discuss research ideas with faculty in an informal setting
- Feed the students!

Meeting Summary:

Dr. Donna Rizzo gave a general introduction to the program, briefly describing the application process and requirements of the program.

2005 Barrett Scholars Jenn Gagnon, Alaina Dickason and Tracy Owen each spoke briefly about their research projects and their experience with the program in general.

Several faculty were able to attend and described the type of research that they do and gave examples and suggestions of the types of projects that students could pursue. This turned in to an excellent conversation between various students and faculty discussing ideas.

Dr. Adel Sadek – Dr. Sadek's work is in transportation systems. Several of the models Dr. Sadek uses incorporate air quality. He would like to use models to study emissions from the general traffic flow in the area, effects of roundabouts on traffic emissions and emissions impacts of left turn lanes on undivided highways.

Dr. Mandar Dewoolkar – As part of a larger project studying stream bank stability, Dr. Dewoolkar could use help developing techniques to instrument stream banks with sensors. Type of sensing equipment needed includes water level, velocity, soil pore pressures and cameras.

Dr. Jeff Frolic – Dr. Frolic's interest is in wireless data collection. He is interested in working with Civil & Environmental Engineering Faculty and Students to help instrument environmental research projects to overcome the challenges of remotely collecting sensor data under normal and adverse weather conditions.

Dr. Donna Rizzo – Dr. Rizzo is looking for students interested in environmental modeling projects.