

**Undergraduate Research Program  
Applied Neuromechanics Research Laboratory  
Department of Exercise and Sport Science**

Undergraduate students are invited to participate in research through the Applied Neuromechanics Research Laboratory (ANRL) in the Department of Exercise and Sport Science. This opportunity would be through the UNCG Undergraduate Research Program (<http://www.uncg.edu/rsh/undergrad.html>) and will assist with ongoing research related to gender dependent risk factors in knee stability and lower extremity biomechanics beginning the fall semester of 2005.

The objective of the ANRL Undergraduate Research Program is to expose undergraduate students to research in the field of Sports Medicine. Participation in the program is encouraged for students who are self motivated and have plans in pursue graduate level education. The program will assist undergraduate students in development of research ideas, research methodology, critical thinking skills, and understanding of laboratory assessment instruments. This includes exposure to state-of-the-art instrumentation for assessment and analysis of human neuromuscular performance. Students will assist in ongoing research which includes the assessment of neuromuscular and biomechanical function of the knee as a function of gender, hormones, lower extremity alignment, and fatigue. Student initiated projects with in the scope of the laboratory agenda are also encouraged.

Interested students should have completed at least 30 semester hours at UNCG and have a cumulative UNCG GPA recommended minimum of a 3.0. Part-time students who meet all criteria are eligible. Students will be expected to commit an average of 8-12 hours per week and will be mentored by a faculty member and current PhD students. All students who receive assistantships through the Office of Research are required to participate in the Undergraduate Research Assistants Poster Show. The purpose of the event is to provide the opportunity to share the accomplishments and results of their projects with others.

Interested students should contact Dr. Sandy Shultz or Dr. Randy Schmitz no later than February 15, 2005.