Faculty & Student Research Symposium

Department of Physical Therapy
California State University, Sacramento
Friday, May 15, 2009
1:00 – 5:00 pm
Foothill Suite
University Union (3rd floor)
**1:00 pm**  *The Use of Human Patient Simulators in Physical Therapy Education.*

**Student researchers:** Laura Chevreaux SPT, Cristina Sperry SPT & Adam Wooden SPT  
**Research advisor:** Brad Stockert, PT, PhD

**1:25**  *An Electromyographic Analysis of the Shoulder While Performing Exercises Using the “Bodyblade” and Dumbells.*

**Student researchers:** Mathew Grover SPT, Mike Kenniston SPT, Jesse Loera SPT & Travis Tanasse SPT  
**Research advisor:** Rafael Escamilla, PT, PhD, CSCS, FACSM

**1:50**  *ATM2 as an Intervention in the Treatment of Scoliosis.*

**Student researchers:** Susana Leal SPT, Rachel Madigan SPT, Caitlin Newkirk SPT & Molly Saul SPT  
**Research advisor:** Clare Lewis PT, PsyD, PsyD, MPH, MTC

**2:15**  *Knowledge of Post Surgical ACL Rehabilitation: A Computer Based Assessment.*

**Student researchers:** Ben Hagar SPT, Leia Rodriguez SPT & Andrew Schweitzer SPT  
**Research advisor:** Michael McKeough, PT, EdD

**2:40**  *Effectiveness of Computer-Aided Neuroanatomy Instruction for Entry-Level Physical Therapy Students.*

**Student researchers:** Israel Montano SPT, Tan Nguyen SPT & Som Xiong SPT  
**Research advisor:** Michael McKeough PT, EdD

**3:05 - 3:20** BREAK

**3:20**  *The Effect of an 8-week Aerobic Exercise Program on Fatigue, Endurance, Hemoglobin, Pain, and Quality of Life in a Patient with Cancer.*

**Student researchers:** Heidi Arts SPT, Vanessa Gagnon SPT, Tien Hoang SPT, Pamela Mitchell SPT, Erik Nielsen SPT & Kyla Russell SPT
Research advisor: Susan M. McGinty PT, EdD

Acknowledgements:
Sutter Cancer Center liaison: Kim Etcheberry, RN, Oncology Patient Services Program Manager
Previous student researchers: Japna Bakhshi PT, Kay Moultrie PT; Laura Nakano PT; Miho Snyder PT & Quyen Ton PT

3:45 PTPICO.com & PTOutcomes.com: Tools for Practicing Evidence Based Physical Therapy.

Student researchers: Miranda Campisano SPT, Kathleen Fisher SPT, Tan Nguyen SPT, Shani Pascal SPT, Analucia Souza SPT, & Anna Tortosa SPT
Research advisor: Ed Barakatt PT, PhD

4:10 Physical Therapy Care Documentation: A Preliminary Study for the Development of a Prognostic Categorization System for Patients with Low Back Pain.

Student researchers: Miranda Campisano SPT, Kathleen Fisher SPT & Anna Tortosa SPT
Research advisors: Ed Barakatt PT, PhD & Barbara Stevens PT, Manager of Sutter Physical Therapy Clinics in the Sacramento Region

4:35 Motion Analysis of the e3 Fitness Grips used in Runners.

Student researchers: Janice Dinglasan SPT & Aivaras Sajus SPT
Research advisor: Clare Lewis PT PsyD, PsyD, MPH, MTC