



*The Department of Physical Therapy Proudly Presents*

## **The 15<sup>th</sup> Annual Physical Therapy Research Symposium**

Friday, April 23<sup>rd</sup>, 2010 at 6:00 pm  
2nd Floor, Hazel Hall, Room 2040

### **Oral Presentations of the Final Research Projects of the DPT Class of 2010**

#### **GERIATRICS and REHABILITATION SECTION**

##### **THE EFFECTS of WII FIT EXERCISE PROGRAM on BALANCE, MOTIVATION, QUALITY of LIFE and MOOD in OLDER COMMUNITY DWELLING ADULTS**

**Student Investigators:** *Derek Fogle, Matt Van Sickle, and Scott Yanus*

**Advisors:** *Cindy Gill, PT, MEd, and Margarita Treuth, PhD*

##### **NEUROMUSCULOSKELETAL EFFECTS of STATIN THERAPY on STRENGTH and BALANCE in OLDER ADULTS**

**Student Investigators:** *David Hartwig, Richard Mathews, and George Olayinka*

**Student Investigators:** *Miguel Laygo, Tiffany Shreve, and Alice Wong*

**Advisors:** *Margarita Treuth, PhD, Dennis Klima, PT, MS, GSC, NCS, and Michael Rabel, PT, MPT, DSc, OCS*

##### **FRAILITY in OLDER ADULTS: WHO RISES to STAND?**

**Student Investigators:** *Catherine Gilbert, Dina Hamad, and Dipal Patel*

**Advisor:** *Dennis Klima, PT, MS, GSC, NCS*

#### **BREAK**

#### **ORTHOPAEDIC and WOMEN'S HEALTH SECTION**

##### **THE RELATIONSHIPS BETWEEN STRENGTH, AGILITY, RANGE of MOTION and 40-YARD SPRINT SPEED IN COLLEGIATE FOOTBALL PLAYERS**

**Student Investigators:** *Rosalea Acap, Amanda Eller, and Genevieve Olds*

**Advisor:** *Michael Rabel, PT, MPT, DSc, OCS*

##### **A CLINICAL ASSESSMENT of the TRUNK in WOMEN of DIFFERENT AGES and ACTIVITY LEVELS**

**Student Investigators:** *Shannon Davis, Stephanie Shore, and Jessica Stauty*

**Advisor:** *Michael Rabel, PT, MPT, DSc, OCS*

##### **HIP and TRUNK MUSCLE RECRUITMENT during SELECTED MOVEMENT TASKS: AN ELECTROMYOGRAPHIC STUDY**

**Student Investigators:** *Jaclyn Aylor, Heather Bennett, and Frank Rosenthal*

**Advisor:** *Michael Rabel, PT, MPT, DSc, OCS*

##### **RISK FACTORS, PERCEIVED STATUS, and PHYSICAL HEALTH in YOUNG, AFRICAN AMERICAN WOMEN**

**Student Investigators:** *Jaquay Powell and Carla Taylor*

**Advisor:** *Margarita Treuth, PhD*