Student and Faculty Presentations and Posters

Rehabilitation Sciences Presentations

Prosthetics & Orthotics Program 9:30 – 10:30 a.m., Auerbach Auditorium

**Functional Outcome Measures Best Practices and Instructional Videos**  
Students: Raymond Beaulac, Elizabeth Flow, Allison Snooks, Mitchell Swanson, Ryan Szpilka  
Mentors: Duffy Felmlee, MSPO, CPO; Matthew Parente, MS, PT, CPO, FAAOP

**The Hartford Hand Project: Force Myography in Prosthetic Control**  
Students: Nicholas Cirillo, Brittney Curcio, Melanie Davidson, Laura Faubion, Gabby Sinotte  
Mentors: Michael Wininger, PhD

**Measuring Functional Variables of K2 Unilateral Transtibial Amputees Utilizing K3 Prosthetic Feet: a pilot study.**  
Students: Sarah Caragian, Brittany Moores, Chris Route  
Mentors: Duffy Felmlee, MSPO, CPO

**Quantifying Changes in Hemiparetic Cerebral Palsy Gait with Ankle-Foot Orthoses Using Wearable Sensors and Gait Analysis Walkway**  
Students: Reid Beauchemin, Sarah Coppola, Katherine Farrell, Holly Hendrix, Nicole Heroux, Nicolas Sauerbrunn  
Mentors: Kristamarie Pratt, PhD, MEng; Duffy Felmlee, MSPO, CPO

Physical Therapy Doctoral Program 10:45 a.m. – 12:15 p.m., Auerbach Auditorium

**Targeted Training**  
Students: Matthew Baronowski, Danielle Dumornay, Desiree Fredericks, Timothy Geier, Gwan Ju, Joseph Mickelson, Lauren Shortell  
Mentors: Sandra Saavedra MS, PT, PhD; Danni Bellows PT, DHSc

**Assessing Clinical Utilization in the First 90 Days Post-Delivery of Lower-Limb Prosthesis**  
Students: Dianna Amedu, Dana Earle, Kevin Kerr, Gina Morin, Bobbie Werbe  
Mentors: Daniel Lee, PT, DPT, GCS; Michael Wininger, PhD

**LimbWISE**  
Students: Laura Benson, Nicholas Binkowski, Alexa Buffington, Gloria Christiano, Onalee Collins, Mitchell Gilbertie, Sarah Martinez, Emily Rock  
Mentors: Daniel Lee, PT, DPT, GCS
Detecting Drop Jump Asymmetries Using Wearable Sensors & 3D Motion Capture
Students: Ethan Dickinson, Thomas Kirsch, Jason Lawrence, Nicholas Murray, Tyler Navarro, John Ribeiro
Mentors: Kristamarie Pratt, PhD, MEng

A Comparative Study of the Mobility Score (M-Score), Tug, and Tinetti (POMA): Validity and Reliability in Assessing Fall Risk and Functional Mobility
Students: Seung Yeon Choi, Steven Glykokokalos, Devyn Kangas, Ramsha Khan, Alexander Perdikis, David Reindl, Stephanie Santos
Research Faculty: Dr. Catherine Certo, ScD, PT, FAPTA; Dr. Walt Gorack, PT, MSPT, DPT, GCS

Vibrotacticle feedback or feed forward training to improve motor control in children with cerebral palsy: innovations in technology
Students: Kristina Cummings, Hannah Goldman, Jonathan Maneen, Danielle Novak, Gabrielle Novak, Ayanna Pearce, Stephanie Wence
Mentors: Mary Gannotti, PT, PhD; Matteo Bertucco, PhD; TakaFumi Asaki, PhD; George Gorton, MS, CRRP

Development of Sensory and Motor Function in Infants with Sensorineural Hearing Loss (SNHL)
Students: Jillian Barnaby, Nikki Engstrom, Anna LeBlanc, Nick Pisanelli, Bill Russo, Nikki Solis
Mentors: Sandra Saavedra MS, PT, PhD; Donna Snowdon PT, DPT

Nursing Presentations

Master of Science in Nursing Program
2:30 – 3:30 p.m., Auerbach Auditorium

CATCH Them Afterschool: Educating Children on Healthy Choices
Students: Diana Flebeau, Jane Sweeney, Marion James, Abdullah Alharbi
Faculty: Susan Eichar, EdD, APRN; Karen Breda, PhD, RN

Teach-back: The Underutilized Tool for Nurses
Students: Sarah Wilcox, Donna Denault
Faculty: Susan Eichar, EdD, APRN; Karen Breda, PhD, RN

Slips, Trips and Broken Hips: A Fall Prevention Program for the Community Dwelling Elderly
Students: Catherine Thresher, Erin Gryken, Susanne Paulette, Nicole Possemato
Faculty: Dawn Bunting, EdD, MSN, RN, CNE; Susan Eichar, EdD, APRN

Nurse + Nurse + Patient = Safe Transitions: Bedside Shift Report in the Emergency Department
Students: Kerri Ybarra, Halli Hunderfund
Faculty: Karen Duhamel, MSN, MS, RN; Karen Breda, PhD, RN

Thriving or Surviving: Benefits of Resilience Training in Baccalaureate Nursing Programs
Students: Amanda McDonald, Stacy Elliott, Lisa Wolfson
Faculty: Susan Pettorini D’Amico, DNP, MSN, RN; Karen Breda, PhD, RN

Make Mouth Care Your BFF: Educating Community Dwelling Seniors on the Importance of Oral Hygiene
Students: Franklin Quider, Samantha Kenyon, Laura Sheridan, Jeanne Kessler
Faculty: Karen Duhamel, MSN, MS, RN; Karen Breda, PhD, RN; Sue Eichar, EdD, APRN
**Keep it Flowing: Educating Mothers on Exclusive Breastfeeding**
Students: Karina Gonzales, Gloria Nwachukwu, Anthonia Onyejekwe, Gail Saunders
Faculty: Karen Duhamel, MSN, MS, RN; Karen Breda, PhD, RN

**College Students Mixing Alcohol & Energy Drinks: A “Pregame” to Disaster**
Students: Lisa Roy, Sahleenorr Samonte, Sandra Hahn
Faculty: Susan Pettorini D’Amico, DNP, MSN, RN; Dawn Bunting, EdD, MSN, RN, CNE

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**Faculty Research Round Tables**

**Session 1 - 12:30 – 1:30 p.m.**
**Bridging the Gap: Basic Science and Translation to Application**
Doug Dix, PhD; Colleen Muñoz, PhD

**Consent/Assent Procedures with Transition Aged Individuals with Disability**
Sarah Hart, PhD; Mikayla Pascucci; Jamie Rowland; Sheetal Sood, PhD; Emily Barrette (FVTA)

**Role of Immigration Status on Undocumented and DACAmented Adolescents’ Social-Emotional Development, Educational Experiences and Aspirations, and Family Processes**
Kenny Nienhusser, EdD

**STEM to STEAM for All**
Sheetal Sood, PhD; Lisa Zawilinski, PhD; Mikayla Pascucci; Rohan Annapragada

**Early Childhood Workforce Shared Core**
Lynn Johnson, EdD; Margaret Clark, PhD; Deborah Adams; Paige Bray, EdD

**Institutional Perspectives on Teaching**
Karla Loya, PhD

**Session 2 - 2:00 – 3:00 p.m.**
**Becoming a Changemaker: Perspectives from Pre-Service Teachers**
Margaret Clark, PhD; Sarah Hart, PhD

**Peace Education for Young Children**
Margaret Clark, PhD

**Teaching and Learning from Mistakes in Early Childhood Classrooms**
Maleka Donaldson, EdD

**limbWISE v2: Empowering Prosthesis Users to Self-Manage**
Daniel Lee, PT, DPT, GCS

**Analysis of Syntactic Complexity and Its Relationship to Writing Quality in Informative and Narrative Essays**
Thilagha Jagaiah, PhD

**Effect of Optimal Trunk Support on Academic Engagement in Children with Moderate to Severe Disability**
Sandra Saavedra, MS, PT, PhD; Thilagha Jagaiah, PhD
Session 3 - 3:30 – 4:30 p.m.
BFit: Exercise to Link Structural and Functional Changes in Children with Cerebral Palsy
Mary Gannotti, PT, PhD; George E. Gorton III, MS, CCRP (Shiners Hospitals for Children); Denise Gloekler, PT, DPT, PCS, cNDT (Shriners Hospitals for Children)

SIPS-H2O: Supporting Information from Public Surveys related to Hydration and Health Outcomes
Colleen Muñoz, PhD; Mike Wininger, PhD; Mary Gannotti, PT, PhD

Are Similar Asymmetries Found Between Muscle Activity, Angular Velocity and Ground Reaction Force Measurements During Drop Landing?
Kristamarie Pratt, PhD, MEng

Using a Novel Collaborative Media Technology for Online Collaborative Learning in Rehabilitation
Danielle Bellows, PT, DHSc; Sandra Saavedra, MS, PT, PhD

The Impact of Team-based Learning Throughout a PT Curriculum on Students' Development of Clinical Reasoning
Tricia Prokop, PT, EdD; Danielle Bellows, PT, DHSc; Barbara Crane, PhD; Dawn Roller, DPT; Donna Snowdon, DPT, MS, PT

Development of Sensory Function and Postural Control in Infants with Sensorineural Hearing Loss
Donna Snowdon, DPT, MS, PT; Sandra Saavedra, MS, PT, PhD

Poster Gallery – All Programs 8:30 a.m. – 7 p.m., Shaw Center

Honors

Health Science:

Increasing Understanding of Childhood Asthma
Student: Megan Pare

Educating Students on Medical Radiation
Student: Elizabeth Ragozzino

Education

STEM Lab Teaching Assistant
Student: Carly Hoss
Faculty: Erin Wilson (Annie Fisher Elementary School)
Health Sciences and Nursing

Health Science:

Can You Hear Me?
Student: Ta’Tiana Jenkins
Faculty: Doug Dix, PhD

Radiologic Technology:

Elastography
Students: Diana Gizes, Sara McClay, Cara McGee, Elizabeth Ragozzino, Alexandria Sutfin
Faculty: Barbara Asher, BA, RT, ARRT, CNMT, RDMS, RVT

CT Virtual Colonoscopy
Faculty: James Riopel, MS, RT

Intraoperative Magnetic Resonance Imaging
Students: Joseph Capozza, Paul Innes, Abbie Melvin, Jennifer Padilla, Alyson Russo, Courtney Wells
Faculty: Jeffrey Phelps, MS, RT

Nursing – RN to BSN:

Empowering Homeless People to Take Control of Their Blood Pressure
Students: Monika Beaucar and Carla Williams
Faculty: Liza McMahon, MA, RN; Maggy Tomkins MSciSoc, RN

Social Butterflies Have the Most Beautiful Wings: Increasing Social Participation Among Elderly Residents
Students: Amy Cianfaglione and Brenda Grogan
Faculty: Liza McMahon, MA, RN; Maggy Tomkins MSciSoc, RN

Mindfulness Wednesday: Mindfulness Decreases Anxiety and Stress
Students: Jessica DeMarest and Janet Sadler
Faculty: Liza McMahon, MA, RN; Maggy Tomkins MSciSoc, RN

BINGO! The Efficacy of Diversional Activities as Means of Stress Relief in the Homeless Community
Students: Marta Kozikowski and Patryk Zukowski
Faculty: Diane Verrochi MSN, RN; Maggy Tomkins MSciSoc, RN

Stress Less for a Healthier You
Student: Mellenese McCarter
Faculty: Diane Verrochi MSN, RN; Maggy Tomkins MSciSoc, RN

Minding Your Money, Mending Your Mind
Student: Jaime Powell and Michelle McGeowan
Faculty: Diane Verrochi MSN, RN; Maggy Tomkins MSciSoc, RN

Healthy Habits for a Healthy Tomorrow
Student: Victoria Rivera
Faculty: Diane Verrochi MSN, RN; Maggy Tomkins MSciSoc, RN
Wake-up Wednesday: Brain Games
Students: Jessica Shepard and Judy Shea
Faculty: Liza McMahon, MA, RN; Maggy Tomkins MSciSoc, RN

2018 Discovery Kids Exploring Nutrition Facts
Student: Sindbia Shyras
Faculty: Diane Verrochi MSN, RN; Maggy Tomkins MSciSoc, RN

Snore More, Stress Less: A Stress Reduction Project
Students: Jessica Dupont and Cynthia Smith
Faculty: Liza McMahon, MA, RN; Maggy Tomkins MSciSoc, RN

Meditate Your Way Out of Anxiety
Students: Renee Pham and Magdalena Wieczorek
Faculty: Diane Verrochi MSN, RN; Maggy Tomkins MSciSoc, RN

Nursing – MSN:

CATCH Them Afterschool: Educating Children on Healthy Choices
Students: Diana Flebeau, Jane Sweeney, Marion James, Abdullah Alharbi
Faculty: Susan Eichar, EdD, APRN; Karen Breda, PhD, RN

DON’T RUSH TO FLUSH: Safe Medication Disposal in Community Settings
Students: Heather Pantalone, Jennifer Denis
Faculty: Karen Breda, PhD, RN

DIM THE LIGHTS, STOP THE NOISE: The Healing Effects of Quiet Time in a Pediatric Setting
Students: LuAnne M Gherardi, Stephanie Winter
Faculty: Karen Breda, PhD, RN

Teach-back: The Underutilized Tool for Nurses
Students: Sarah Wilcox, Donna Denault
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College Students Mixing Alcohol & Energy Drinks: A “Pregame” to Disaster
Students: Lisa Roy, Sahleenorr Samonte, Sandra Hahn
Faculty: Susan Pettorini D’Amico, DNP, MSN, RN; Dawn Bunting, EdD, MSN, RN, CNE

End of Life Wishes: When There is a Living Will, It’s YOUR Way
Students: Olusola Adediran, Gael Curtin, Rebecca Davis, Sunhee Park
Faculty: Susan Pettorini-D’Amico, DNP, MSN, RN; Dawn Bunting, EdD, MSN, RN, CNE

Make Mouth Care Your BFF: Educating Community Dwelling Seniors on the Importance of Oral Hygiene
Students Franklin Quider, Samantha Kenyon, Laura Sheridan, Jeanne Kessler
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Faculty: Karen Duhamel, MSN, MS, RN; Karen Breda, PhD, RN

**SMART STEPS: Fall Prevention for Community-Dwelling Older Adults**  
Students: Wendy Minnier, Mary Leggett, Indranie Persaud  
Faculty: Karen Breda, PhD, RN

**PrEP-ing RNs: The Chain Reaction of HIV Prevention Education**  
Student: Jordan Seaver  
Faculty: Karen Breda, PhD, RN

**Thriving or Surviving: Benefits of Resilience Training in Baccalaureate Nursing Programs**  
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### Rehabilitation Sciences

**Physical Therapy:**

**A Comparison of the Mobility Score (MScore) to the Performance-Oriented Mobility Assessment (POMA) in regards to Efficiency, Reliability and Validity**  
Students: Ryan Edgar, Kevin Evitts, Olga Kolomiets, Kayleigh McGregor, Kaila Morin, Julie Tolento  
Mentors: Catherine Certo PT, ScD; Walt Gorack PT, DPT

**The IMPACT of an After School Exercise Program on the Musculoskeletal Structure and Function of Children with Cerebral Palsy**  
Students: Erica Breive, Rebecca Cameron, Robert Mobyed, Omosefe Oronsaye, Hanna Tarbox, Kristen Miller  
Mentors: Mary Gannotti PT, PhD; George Gorton MS, CCRP

**A Description of the Functional Movement Screen in Collegiate Baseball Players**  
Students: Jeffrey DeLucia, Morgan Berry, Stanley Aguh, Corey Hoffner, John Webber, Kenneth King  
Mentors: Adam Goodworth PhD; Tricia Prokop PT, EdD

**A Customized Inexpensive Video Game for Practicing Head Control**  
Students: Julia Baiju, Phillip Garrett, Alyssa Pisani, Tyler Hewett, Colleen Menard  
Mentors: Adam Goodworth PhD

**Measuring Asymmetries during a Drop Jump**  
Students: Daniel Barker, Kyle DiRoberto, Dylan Fallis, Evan Isaacson, Austin Jones, Jonathan Ramirez  
Mentors: Kristamarie Pratt PhD, MEng

**What’s in the Trunk: Training Posture in Children with Severe Cerebral Palsy**  
Students: Brittany Ainsworth, Katie Compton, Sarah Couture, Desiree Fredericks, Candie Hill, Devin Meacham, Aaron Schwabacher, Deanna Zysman  
Mentors: Sandra Saavedra MS, PT, PhD; Danni Bellows PT, DHSc
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**Functional Outcome Measures Best Practices and Instructional Videos**
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Mentors: Kristamarie Pratt, PhD, MEng; Duffy Felmlee, MSPO, CPO

**Targeted Training for Improved Trunk Control in Children with Cerebral Palsy**
Student: Desiree Fredericks
Mentors: Sandra Saavedra MS, PT, PhD; Danni Bellows PT, DHSc, Duffy Felmlee, MSPO, CPO

**Taxonomy of Clinical Encounters during the first 90-days Post-Delivery Initial Definitive Lower Limb Prostheses**
Student: Gina Morin, Dianna Amedu, Dana Earle, Kevin Kerr, Bobbie Werbe
Mentors: Daniel Lee, PT, DPT, GCS; Michael Wininger, PhD