BELOVED COOPERATIVE EDUCATION COORDINATOR TO RETIRE

Rose DiMarco has served Northeastern University and the Cooperative Education Department since 1970. Over the years, she has worked in a variety of roles with students from several majors including Physical Education, Recreation/Leisure Studies, Health Education, Athletic Training Education and Exercise Physiology students. She has worked with PT since 1992. In reflecting on her 38 years at NU, Rose feels that: “the opportunity to form relationships with PT students, Bouve faculty and PT Co-op Employers has been the highlight of my career. These wonderful, talented, bright and accomplished individuals have enriched my life in ways that cannot be measured. It is my hope that my presence in their lives in some way mattered.” Please join us in wishing Rose well in her upcoming retirement!

MESSAGE FROM THE CHAIR

2013-2014 has been a very successful year! Our DPT program received full accreditation for another 10 years following our June CAPTE Site Visit. We have launched a Master in Occupation Ergonomics and Health as well as a Certificate of Advanced Study in Orthopedic Physical Therapy for licensed PTs. This program is fully online with options for onsite lab workshops. A Sports Residency program and other certificate programs are also under development! As you can see from our banner, we have changed our department name to reflect our broad range of offerings. We also welcomed 3 new faculty and say goodbye to our dear colleague in Coop, Rose Dimarco. Our alumni are very important to us and we hope that you will keep us updated on your professional accomplishment by going onto our alumni webpage (www.northeaster.edu/bouve/pt/alumni/Welcome.html)

Maura Daly Iversen, PT, DPT, MPH, SD, FNAP

Newsletter Highlights

- Student News — pg 2
- Department Happenings — pg 4
- Faculty Activities — pg 5
- Alumni News — pg 10

SAVE THE DATE…

A BIG Birthday is Coming Up!

On November 7, 2015 we will be celebrating the 100th anniversary of the PT Program. More information forthcoming.
CAITLIN COURTADE WINS THE PRESTIGIOUS COMPASS AWARD

The Compass Award is presented to a senior from each undergraduate college who has shown a commitment to the core values of Northeastern: leadership, volunteerism, and academic integrity.

Helping others comes naturally for Caitlin, both in the clinical setting and on campus. Caitlin has participated in the Bouve Ambassador and Bouve Fellows programs. As an Ambassador she has worked with dozens of prospective students and their families; as a Fellow she has fostered relationships between mentors and incoming freshmen. She considers this work her most significant achievement, but it is merely a snippet of her achievements.

Caitlin is a member of the PT Club; has played intramural soccer and broomball. In addition, she served as team captain for both the NU Relay and the PT Club Rock for Research. She ran the NYC Marathon for team Fox, a group led by actor Michael J Fox which raises money for Parkinson’s Disease Research. Within the local community she teaches English to Spanish speaking adult residents of Roxse Homes in Roxbury. Caitlin has been active globally. In 2011 she travelled to South Africa for a Dialogue of Civilization program. While there she helped build exercise equipment, obtained supplies for schools and orphanages, and assisted in medical clinics. After receiving her bachelor’s degree she will move into the final year of the PT Program to complete her DPT degree. She is a very exceptional student who is in the honors program and carries a GPA of 3.93. After graduation she would like to work in either sports medicine or neuro-rehabilitation and is interested in exploring the country as a traveling PT.

PT STUDENT ACTIVE IN PROMOTING INTERPROFESSIONAL COLLABORATION AND COMMUNITY SERVICE

Lauren Jarmouz, sDPT (’15/’16) and Sana Mandal (sPharmD) are founders and co-chairs of the new student group iRISE (Interprofessional: Research, Educate, Serve, Educate). With the guidance of Dr. Dolce, her team, and the backing of Bouve administration, iRISE’s mission is to *Promote an interprofessional collaborative environment where students across healthcare professions are offered opportunities to cultivate leadership and innovation skills in an effort to improve patient-centered oral and systemic care.*

Lauren and Sana were funded by Dr Dolce’s DentaQuest Foundation Grant to attend the ADEA (American Dental Education Association) conference in San Antonio, TX in March, 2013. The Foundation aims to integrate oral health into interprofessional health education and team-based, collaborative practice in primary care settings. Lauren said the conference was an eye opening and thought provoking experience. The underlying themes of the conference were interprofessional care and promising education techniques for the new generation of students.

In addition, Lauren has received another University honor! She has been named a **LaCLA scholar.** This scholarship is awarded to 8 Northeastern students annually and covers full-tuition for the remaining time the student is at Northeastern. The purpose of the scholarship is to encourage academic excellence of students and promote community service on campus and in Greater Boston. They must satisfactorily complete 200 hours of community service under the guidance of the Latino/a Student Cultural Center and the LaCLA Chair and Committee."
100% Participation of DPT Students in the 2014 Research Innovation and Scholarship Expo (RISE)

100% of all 3rd professional year DPT students participated in RISE. This event showcases student research at NU.

This year we are pleased to announce a PT project won the Undergraduate Research Award in Health Sciences, beating out all health science projects submitted across the university!

PT students, Lucy Burrage, Marin Little and Emily Nasson Gallagher and faculty mentor Dr AnnMarie Flores won this award for their project "Early PT education for pre-surgical breast cancer survivors: A preliminary pilot project."

ADDITIONAL STUDENT ACHIEVEMENTS

Patrick Harris ('14/15) and Kelley Becherer ('14/15), were runners up for Best Poster for their study entitled “Accuracy and Precision of a Low-Cost Virtual Rehabilitation System utilizing the Microsoft Kinect© to Measure Shoulder Joint Motion.” PT Faculty advisor was Amee Seitz and Co-Investigators Miriam Leeser and Dagmar Sternad from Engineering. The award was given at the 25th Annual Communications and Digital Signal Processing Research Workshop on Friday March 29th.

Lillian Nelson has received the Northeastern Excellence in Cooperative Education Award for 2013-2014.

Alyssa Richardson, '14 ran the 2014 Boston Marathon to raise money for the Rett Syndrome Association of Massachusetts. In 2013 she was 0.7 miles short of completing the Boston Marathon raising over $5,000 for the same cause. All the money raised by Team Rett will go to a research project selected by the Rett Syndrome Association of Massachusetts. In this photo she is seen with a "beautiful" 12 year old girl named Caroline who has Rett Syndrome.

PHYSICAL THERAPY CLUB

Rock-a-Thon

In Fall the PT Club held a Rock-a-Thon to raise funds for the Miami-Marquette Challenge. In February they proudly donated $3015 to the challenge. Rock for Research will be held again in October 2014 to raise funds for this year’s Miami Marquette Challenge.
Our annual White Coat Ceremony was held on February 14, 2014 in Blackman Auditorium. The class of 2016/2017 were in attendance and received a white coat to symbolize their entrance into the professional component of the Physical Therapy program. The coats will be worn during practical exams, cooperative education assignments and on clinical affiliations. Family and friends joined in the celebration.

There were several speakers who provided advice and guidance to the students. The student speaker was Larissa Vangel. The patient speaker was Jacqueline Diani and the alumni speaker was Matthew McManus PT, OMT. Matt is a regional clinical director of ProEx Physical Therapy. He gave a very moving speech on the importance of caring for the whole patient and attending to their psychosocial needs as well as their physical impairments.

SWISS-US PT CONFERENCE ENJOYS ANOTHER YEAR OF SUCCESS!

The relationship between our department and the Haute École De Santé Vaud’s (HESAV) program in Physiotherapy from Lausanne, Switzerland celebrated its 4th year. Professor Jean-Philippe Bassin and students arrived from Switzerland on June 30, 2013. Students learned about physical therapy practice and health care in the US, attended seminars in orthopaedics, neuroscience, differential diagnoses, and special topics in manual therapy.

Our students travelled to Switzerland to attend the program at the HESAV in November with Dr. Ann Marie Flores. Students attended special advanced seminars in rehabilitation oncology and learned about Swiss PT and the health care system. They toured one of the world’s most advanced inpatient, outpatient and vocational rehabilitation hospitals operated through the Swiss National Accident Insurance Fund (Suva). Feedback from exchange participants shows that when cultures come together, we learn more than we can imagine and be more effective in patient care.
**FACULTY NEWS**

**Dr. Ann Marie Flores** recently visited the world famous FöldiKlinik – European Centre for Lymphology located in the heart of the Black Forest in Hinterzarten, Germany. The FöldiKlinik is the international leader in diagnosis and treatment of diseases and disorders of the lymph system such as lymphedema and lipedema. She spent time with internationally renowned Professor Etelka Földi who co-wrote the premier textbooks for treatment of lymphatic disorders entitled “Textbook of Lymphology” and “Lymphedema and associated diseases.”

**Dr. Maura Iversen** was inducted in the National Academy of Practice on April 5th as a Distinguished Scholar and Fellow in PT. With her are Drs. Deb Avilo and Laura Mylott from the Bouvé School of Nursing who were also inducted.

**Dr. Leslie Day** was elected to the Board of Directors for the Human Anatomy and Physiology Society as the Eastern Regional Director. She will be on the BOD for a 2-year term.

**Dr. Christopher Cesario, DCE** was accepted to the APTAs Credentialed Clinical Instructor Program (CCIP), which he’ll be attending from 4/24-4/26.

**Dr. David Nolan** was featured in the joint publication of JOSPT and JBJS (Journal of Bone and Joint Surgery) in the Spring of 2014. The joint issue was *It Takes a Team: The 2013 Boston Marathon: Preparing For and Recovering From a Mass-Casualty Event*. Dave is currently the BAA Coordinator for Physical Therapy for the 2014 Marathon. The article discussed the marathon prep, the 2013 emergency response and care of patients in the aftermath of the bombing.

**Dr. Matthew Nippins** together with students Naomi Bauer (2014/2015) & Nick Kantor (2016/2017) participated in the American Lung Association’s Fight for Air Climb. They climbed 82 flights of stairs on the APTA of MA’s Cardiovascular and Pulmonary Section Team.
CERTIFICATE IN ADVANCED STUDIES IN ORTHOPEDICS

We are pleased to announce a new Certificate of Advance Studies (CAS) in Orthopedics to be offered beginning in Fall, 2014. This CAS is designed for licensed PTs interested in developing advanced skills in orthopedic physical therapy. The program will prepare graduates to practice advanced evidence-based orthopedic physical therapy and sit for the Orthopedic Clinical Specialist (OCS) examination offered by the American Board of Physical Therapy Specialties (ABPTS).

The CAS consists of 5 courses (18 credits) and will be taught 100% online. The program will provide practicing PTs the flexibility to adapt to their demanding schedule, save time on travel and complete the program from the comfort of their home. The program can be completed in 18 to 36 months with start dates of September 2014, January 2015 and July 2015. The on-line format will foster the development of critical reflective thinking through case studies and discussions focusing on the most current information in orthopedic physical therapy.

The new CAS will be offered through the College of Professional Studies, under the direction of our department. To learn more about this exciting new program, please contact Dr. Susan Lowe at s.lowe@neu.edu.

VISITING FULBRIGHT FELLOW

Jefferson Rosa Cardoso is an Associate Professor at the Dept. of Physical Therapy of the Universidade Estadual de Londrina (UEL), Brazil. He earned his bachelor degree in Physical Therapy at the same University in 1991. His MSc in Health Professional Education from at Maastricht University, Netherlands in 2000 and his PhD in Health Sciences at the Universidade Federal de Sao Paulo, School of Medicine, Brazil, in 2003.

For 10 years he has taught Epidemiology/Biostatistics and Biomechanics in the MSc/PhD program in Physical Education at UEL and has supervised 17 MSc and one PhD candidates. He is the leader of the Research Group in Physical Therapy Assessment and Intervention (PAIFIT) and his activities are concentrated in the Laboratory of Biomechanics and Clinical Epidemiology of the same University in Brazil.

He is also involved in research activities focusing on biomechanics (kinematics using inertial sensors, kinetics using a force platform - including an underwater plat - and using an isokinetic dynamometer, and surface and decomposition EMG), advanced biostatistics in addition to aquatic physical therapy (intervention and assessment). All activities are focused on the fields of musculoskeletal/rheumatology/neurology. He has also been engaged in the Cochrane Collaboration as a reviewer and has a productivity scholarship (1D stage) from CNPq (Brazilian National Council for Scientific and Technological Development) since 2007.

He is presently in Boston as a Fulbright/CAPES Visiting Researcher in our department under the supervision of Prof. and Chair Maura Iversen. He is conducting a Cochrane systematic review regarding the effectiveness of aquatic physical therapy for patients with rheumatoid arthritis.
**tDPT STUDENT ACCOMPLISHMENTS**

**S. Raymond** presented a project entitled “Identification and management of acetabular labral tears: a resident’s case study” in Orthopaedic Physical Therapy Practice this April 2014.

**H. Fostyni** presented a project entitled “Exercise and the motor, timing, cognitive, executive and behavioral symptoms of children with attention deficit hyperactivity disorder (ADHD): A systematic review” at PATH (Professional Association of Therapeutic Horsemanship International) Region 1 Conference April 25 – 27.

**Z. Cambier** (tDPT 2011) received **The Feitelberg Journal Founders’ Award**. This award was created by Samuel B. Feitelberg, PT, MA, FAPTA to honor the efforts of the over 100 colleagues whose contributions of time and money created the *Journal of Physical Therapy Education*. The award acknowledges excellence in publication by a first-time author in the Journal of PT Education for the calendar year. Ziadee’s article, "Preparing New Clinicians to Identify, Understand and Address Inappropriate Patient Sexual Behavior in a Clinical Setting" was published in the Spring 2013 edition of the JPTE. The award was presented at the 2014 CSM meeting in Las Vegas.

**P. Van der Merwe.** Fall prevention among older adults: Case reports exemplifying the value of incorporating lumbar stabilization training during balance exercises. *South African Society of Physiotherapy*. 2013;69:3.25-32.

Congratulations to alums **Ms. Michilina Scala** and **Stephanie Raymond** who received their PCS and OCS respectively at the 2014 APTA CSM.

**COMBINED SECTIONS MEETING 2014 PRESENTATIONS**

**Susan Steffes**—a session entitled “The Role of the PT in Labor & Delivery” a section on women’s health (co-presented with Janet Chamberlin, PT, WCS).

**Susan Steffes** a session entitled “Perinatal Psychosocial Considerations: Part 1, Pregnancy” (co-presented with Darla Cathcart, DPT, WCS, CLT, DoE for SoWH)

*Worst Haley, S* and **Hickey Mary J** had a poster entitled “Gastrointestinal Disease Manifesting as Shoulder Dysfunction: A Medical Triage View.”

*Greenwood Jonathon* and *Wilmarth Mary Ann* presented a poster entitled “Current Evidence for Pediatric Standing Equipment Indications & Implementation.”

**Scala, Michilina, T** and **Paez Arsenio** had a poster “Activity and Participation Improvements of a School Age Child with Cerebral Palsy Recovering from Single Event Multilevel Surgery Following a 12-Week Strengthening Program.”

*Northeastern alumni  ** Northeastern alumni and faculty
DEPARTMENTAL ACTIVITIES

NORTHEASTERN UNIVERSITY FACULTY ACHIEVEMENTS

Select Local, National and International Presentations:


Percoco RM, Jenkyns T. gave a course titled “Introduction to Women’s Health Physical Therapy” co-sponsored by NU PT and Bay State PT.

Nolan D presented a 2-day course entitled, “Management of the Foot & Ankle Complex” at the 2013 NH APTA conference in October 2013.


Seitz, AL, was an invited speaker at the Early Research Career Course at the American Congress of Rehabilitation Medicine 2013 Annual Conference in Orlando, FL on November 13, 2013.

Select Publications:


Metsis V, Jangodsuk P, Athitsos V, Iversen MD, Makedon F. Computer Aided Rehabilitation for Patients with Rheumatoid Arthritis. Institute of Electrical and Electronics Engineers. 2013; DOI: 10.1109/ICCNC.2013.6504061.

Sharby N. Screening for Depression. The Rheumatologist. (In Press, 2014)

For more information on the Physical Therapy Department’s research, visit: http://www.northeastern.edu/bouve/pt/research.html
Faculty and Student Participation at CSM 2014
Las Vegas, Nevada

The Department held an alumni reception at CSM. We had an exceptional turn out with over 150 attendees from classes of 1963 to 2013. Attendees came from all areas of the country including California, Seattle, Washington DC, Maryland, New Jersey, New York, New Hampshire, Vermont, Maine and Florida. Our oldest attendee, class of 1963 lives in California and is still practicing physical therapy!


Bohannon B, Corkery M. “Resection of Anomalous First Ribs in a Competitive Swimmer with Thoracic Outlet Syndrome: A Case Report”.

Seitz AL, Baxter C, Sullivan-Roche A, Budra K. “Scapular muscle impairments in individuals with scapular dyskinesis: Not isometric strength but motor control”.


Reimer E, Day L. “2050 Is Cadaver Dissection Diminishing in PT Schools?”.

Hayward L, Dwyer A. “An Educational Approach for Facilitating a Compassionate, Culturally Sensitive and Interprofessional Environment within a Rehabilitative Setting”.

Greenwood K, Nippins M. “Use of Observation and Online Reflection to Promote Students' Interpretation of the Patient Examination Using the Guide Framework”.

Worst H, Hickey M. “Gastrointestinal Disease Manifesting as Shoulder Dysfunction: A Medical Triage View”.

Iversen MD, Bassin JP, Fitzpatrick DF. “Enhancing Cultural Awareness through an Academic Exchange: Development and Outcomes of US-Swiss PT Student Exchange Program”.

Bronner S. “Frontotemporal oxyhemoglobin dynamics predict performance accuracy of dance simulation gameplay”.


Drs. Maureen Watkins and Alycia Markowski at their poster. CSM Convention Center from L to R Diane Fitzpatrick, Ken Venere, Carolyn Baxter, Erin Freeman, Alexandria Price and Kristin Greenwood
Jonah Feldman, PT, DPT, Clinical Manager for the Haiti Rehabilitation Program, is fulfilling a personal dream by working in Haiti. He is working with the internationally recognized non-profit organization - Partners In Health (PIH) which was founded in 1983. PIH's mission is to provide a preferential healthcare option to the poor in countries around the world. After the devastating 2010 earthquake PIH together with the Haitian government, and their Haitian sister organization Zanmi Lasante began construction of a state-of-the-art 205,000 square foot, 300-bed tertiary care facility. The Hôpital Universitaire de Mirebalais was completed in 2012. [www.pih.org](http://www.pih.org)

Jonah provides direct physical therapy services at the hospital and its mobile clinic program. To address existing needs and promote excellent and sustainable therapy, he’s also developing and implementing education and training for community health workers. A future goal of the Haitian Rehabilitation Program is to establish a school of physical therapy. For now, Jonah acknowledges “work is quite challenging in a 'resource poor setting' but is well worth the effort in bringing rehab to a people in need”.

Jonah’s engagement in global health was realized through participation with a group of Boston Spaulding Rehabilitation Hospital therapists. He had a successful interview for a position providing clinical management services and moved to Haiti on May 1, 2013. In addition to working in the hospital, he is working to improve a curriculum for rehab technicians that could be used by PIH in Haiti. Dr. Andree LeRoy, a physiatrist at Spaulding and program director for PIH, provides leadership for the program.

Jonah’s endeavor has produced challenges, rewards and opportunities for personal growth. In fact, the biggest challenge was adapting to another culture and a system where things might not flow as smoothly as back home. In Haiti, they must often work without permanent rehab gym space, general rehab equipment and limited supplies. However, there are also many rewards such learning to speak Haitian Creole, and connecting with Haitians of all walks of life. He also finds great satisfaction working with the rehab team in the hospital setting. He has seen incredible progress from his community work with patients in their homes as well as having the interdisciplinary medical community recognize rehab as a crucial and important discipline. Through his work, Jonah has learned he can accomplish great things by remaining focused and goal directed. Reflecting on his venture he self-confesses: “I’ve also learned (out of necessity) that I can be flexible and adaptable in certain situations that require extreme patience”. He finds that these rewards to far outweigh the challenges.

Jonah notes, global health PT seems to be gaining a lot of interest. He recommends that if you are a student or professional interested in pursuing this work, you should seek out a global health non-profit or university program that would allow you to work abroad for a week or two. This will give you an idea of the work setting/conditions and help you determine if you’d really like to pursue it full-time. It is also helpful if you have a few years’ experience under your belt. Just listen to your heart and if it's telling you to pursue this work, the rest will figure itself out.
Carl Gustafson, PT, LATC, CSCS ('87) is celebrating the 20th anniversary of the opening of Sports and Physical Therapy Associates (SPTA). The private practice has 15 locations in the greater Boston area in addition to the original location in Wellesley. He continues to support the Physical Therapy program at NU by employing many co-op students and alums at his facilities. For example, Alicia Molloy, Kristen Batista, Peter Givens, Danielle Gorman and Justin Dichio are employed in the Wellesley location where Carl works. Congratulations on the 20th anniversary!

Kevin Avilla, ATC, DPT ('12) is now employed by the Atlanta Falcons Physical Therapy Centers, Atlanta, GA. They are owned by the same family business that operates the NFL’s Atlanta Falcons. This is an advantage for staff and clients as they are able to draw on the team’s extensive experience in sports rehabilitation to provide state of the art care.

Darryl Elliott, PT ('90) is now President of the Private Practice Special Interest Group at the Massachusetts Chapter of the APTA. He formerly worked at Bay State Physical Therapy and is the owner of the newly opened private practice, Elliott Physical Therapy.

Nicole DePalma, DPT ('10) is the Physical Therapy Neonatology Fellow at Seattle Children’s Hospital. She is the third Fellow they have had since the program began. She told us that, “This Fellowship is such an amazing opportunity and I’m definitely proud to have been accepted.”
Physical therapy students at Northeastern University have the opportunity to enrich their education with real life experiences through our unique blend of experiential education offerings. Our foundation is our cooperative education program, one of the largest and most innovative programs in the world. We are proud to be the only PT program in the country to offer this program. Clinical education experiences provide extended exposure to current, state-of-the-art physical therapy practice in hospitals and clinics across the country care for clients across the lifespan and areas of clinical practice. Capstone physical therapy projects, electives and service learning sites open up the doors to new cultures, peoples and living situations. In addition to experiences in Boston and the continental United States we have opportunities in, Hawaii, Peru, Costa Rica, China, Cape Town, South Africa, Ecuador, and Switzerland.