



ALUMNI NEWSLETTER

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Editors: Alice Vienneau, Andrea Kwok, DPT Class of 2015

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MESSAGE FROM THE CHAIR



Greetings to our alumni and friends from the Department of Physical Therapy. We have had another great year that has brought many exciting changes to our department.

The first big change was the start of my tenure as the Department Chair beginning in September of 2014. After 15 years as the Chair, Dr. Stuart Binder-Macleod stepped down from this role and returned to the faculty in January of 2014. Many thanks to Stuart for his leadership of this department and helping us to grow into the strong unit that we are today. Then, Dr. Cole Galloway stepped into the role of Interim Chair from January until September of 2014 while the search for the permanent chair was concluded. Cole deserves a special thanks for his willingness to step into this role and for shepherding us through the time in which we physically transitioned to our new facilities on the STAR Campus (former Chrysler site). For those of you who do not know me, I have deep Blue Hen roots. I was an undergraduate Biology and English major here at the University of Delaware and completed my Master of Physical Therapy degree here as well. Before I went to the University of Pittsburgh to pursue my PhD studies, I worked locally in an outpatient practice and as a clinical instructor in the UDPT clinic for several years. In 2007, I was fortunate enough to come back to UD as a full-time faculty member. So, it is honestly a bit surreal to me that I now get to introduce myself to you as the new Chair of the Physical Therapy Department here at UD. I am honored to be in this position and will work hard to live up to the high standards of this dynamic department.

growth of our class size to 60 students. Since September of 2014, we have welcomed 5 new faculty members with a wide array of expertise: Anjana Bhat, PT, PhD (Pediatrics, Autism); Michelle Lobo, PT, PhD (Pediatrics, Assistive Technology); Karin Silbernagel, PT, PhD (Sports, Orthopedics, Tendinopathy); David Tulsy, PhD (Outcomes Assessment); and, Daniel White, PT, PhD (Osteoarthritis, Physical Activity). We have also hired a new cohort of Board Certified Clinical Specialists to train our DPT students: Jeff Miller, DPT, SCS; Leslie O'Neill, DPT, NCS; Greg Seymour, DPT, OCS; and, Sarah Smith, DPT, GCS. We are beyond excited that we have been able to attract all of these talented folks to join the UDPT family.

With all of this change, one thing that has remained constant is the generous support of our alumni and friends. I would like to thank all of you for your financial support to the Department over the past year. Your gifts have been used to support our departmental missions and to enhance the educational experiences of our students, including the ability to offset registration expenses for our students who will be attending the APTA NEXT Conference at National Harbor, Maryland in June. Attendance at this year's NEXT conference is particularly special for us given that Dr. Lynn Snyder-Mackler will be giving the 46th Mary McMillan Lecture. In celebration of this great honor, we will be co-hosting a reception with the Delaware Physical Therapy Association at the NEXT Conference; and, we welcome you to join us.

Sincerely,

Gregory Hicks, PT, MPT, PhD

WANT TO SAVE TREES AND DEPARTMENT MONEY?

If you would like to read the Alumni Newsletter on-line instead of receiving the printed publication, e-mail Ms. Cyndi Haley (chaley@udel.edu) your name and email address and request to be added to the alumni e-mail list. We will e-mail you a web link for the newsletter each time it is completed. Thanks!



CALENDAR OF EVENTS

2015-2016

APTA NEXT Conference

June 3-6, 2015 - National Harbor, MD

UDPT Reception, honoring Dr. Lynn Snyder Mackler, 46th Mary McMillan Lecturer

June 5, 2015– National Harbor, MD
6:30-8:30 PM – Room National Harbor 5

We are honored that Dr. Lynn Snyder-Mackler has been chosen to deliver the 46th Mary McMillan Lecture at the NEXT Conference. We will be holding a reception in her honor to which all alumni are invited. Please RSVP to Cyn-di Haley at chaley@udel.edu if you would like to attend.

Alumni Weekend

June 5-7, 2015

For more details on events, visit: <http://www.udel.edu/alumniweekend>.

UDPT Family Fun Day

August 29, 2015– STAR Campus

Blue Hen Tribute to John P. Scholz & UDPT Clinic Grand Re-opening

Oct 23, 2015—STAR Campus
4:30-7pm

Please join us for an evening honoring the late John P. Scholz with a lecture, art exhibit, and musical event.

4:30-5:30 PM – Lecture

5:30-7:00 PM – Refreshments, Musical Event, Art Exhibit, and UDPT Clinic Tours

APTA Student Conclave

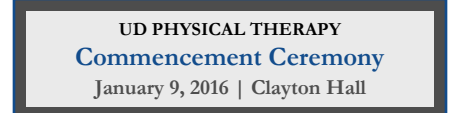
October 22-24, 2015 - Omaha, NE

UDPT Class of 2015 Graduation

January 9, 2016—Clayton Hall

Combined Sections Meeting

February 17-20, 2016 - Anaheim, CA



CLASS OF 2014 GRADUATION



Congratulations DPT Class of 2014!

Listed Alphabetically: Amanda Anderson, Giovahny Augustin, Nicole Brown, Jacob Capin, Lynda Cholvibul, Brittany Coffin, Andrew DePietropaolo, Jhade Evans, Kelly Fladebo, Kiefer Gooch, Keegan Granger, Kaitlyn Grasso, Jeffrey Ho, Jacob Holler, John Iannelli, Lauren Iannello, Eugene Khoroshan, Allison Lease, Chang Min Lee, Ashley Lepore, Kirsten Lockwood, Sarah Margerison, Samantha Maron, Caitlin McGee, Terrence McHugh, Katharine McWilliams, Katelyn O'Brien, Kaitlyn Pajeroski, Prital Patel, Jonathan Poorman, Victoria Santos, Michelle Scott, Jenna Seagraves, Allison Siple, Dana Sutula, Heather Theiss, Cherri Tsang

Message from Jacob Holler, PT, DPT, President of the Class of 2014:

To the UDPT Faculty, Staff, and Students

At the beginning, 2.5 years looks like a long journey. Looking back, it feels like the blink of any eye. Along this journey we laughed, we cried, we made new friends, gained new mentors, and began to look to new role models in our careers. Now the UDPT Class of 2014 is beginning the even longer, more daunting, journey of carrying the lessons we learned into our careers and working to provide high quality care in a dynamic, and ever changing, healthcare landscape. Luckily, the UDPT faculty, staff, guest lecturers, and fellow students from years before and after us have prepared us well for this challenge. It is impossible to fully express our gratitude for the experience we had as students, but we will try by carrying forward the legacy of clinical excellence we were raised in.

To current and future students, between all the studying, stressing, and ICE-ing, don't forget to enjoy your time as a student. It is short, sweet, and appreciated only after it is gone. Learn from and lean on one another.

Signing Off,
Jake Holler, PT, DPT, MS
Proud President of the UDPT Class of 2014

Graduation Awards:

- John P. Scholz Faculty Award: to **Eugene Khoroshan** for demonstrating exemplary personal qualities deemed most valuable to the PT profession, including integrity, cooperation, initiative and leadership.
- Chair's Award: to **Kristin Lockwood** for special contributions of time and effort to improving the UDPT program and helping the faculty and director fulfill the missions of education, scholarship, and service.
- Scholarship Award: to **Jacob Capin** for a high level of scholastic achievement in the UDPT program as demonstrated by the highest grade point average in the class.
- Cossoy-Lucca Award: to **Katherine Brisson** for demonstrating substantial promise and ability to contribute to the advancement of the profession.
- Paul Mettler Military Service Award: to **Allison Hutson** for current or previous military service, or whose life in the Physical Therapy Program has been directly impacted by a first generation family member serving their country.
- Stauffer Scholarship: to **Jennifer Barnes** for a

University of Delaware alumni pursuing doctoral training in the Department of Physical Therapy at the University of Delaware.

To Community Members & Alumni:

- Cossoy Service Award: to **Anne Dunlop** for extraordinary contributions to the UDPT program from outside the department.
- Cathy Doetzer Kohlenstein Clinical Educators Award: to **Lauren Tigani** for outstanding contributions to the clinical education of UD students.
- Alumni Award: to **Jennifer Flug** who made outstanding contributions to the Physical Therapy Department.
- Cathy Doetzer Kohlenstein Scholarship to **Rachel Lins** awarded to a second year student to assist with funding for clinical education expenses.

To UD Physical Therapy Residents:

- Certificate of Completion of the Orthopedic Residency was presented to **Michael Palmer and Brett MacLennan**.
- Certificate of Completion of the Sports Residency was presented to **Jeffrey Miller and Joseph Mahon**.

CLASS OF 2014 GRADUATION

A Memorable Graduation



Dr. Hicks welcomes graduates, faculty, and attendees to the Class of 2014 Commencement Ceremony.



Dean Kathy Matt introduces the graduates.

On January 10, 2015, families and friends gathered in Clayton Hall to celebrate the tremendous achievements of the members of the UDPT class of 2014.

The graduation ceremony began with a warm welcome by Dr. Hicks, chair of the Physical Therapy Department, followed by the class of 2014 speakers, Jacob Holler and Prital Patel. Other highlights included the class slide show, award and scholarship presentations, and the address to the graduating class given this year by Dr. Lynn Snyder-Mackler. Dr. Snyder-Mackler spoke of the



numerous transitions that UDPT has experienced throughout the years and how the students themselves have transitioned over the last two and a half years. These words will surely follow the students through their professional and

personal lives.

Vice Provost, Dr. James Richards, Associate Vice Provost, Dr. Mary Martin, Dean of the College of Health Sciences, Kathleen Matt, and the physical therapy faculty hooded and presented the UDPT Class of 2014. Clinical residents were also recognized and awarded certificates to commemorate their year of learning and hard work for the PT department. All enjoyed a recessional following the closing remarks by Dr. Hicks and the conclusion of the graduation ceremony.



Graduates enjoy animated speeches by classmates and faculty, including an address by Dr. Lynn Snyder-Mackler.

CLASS OF 2014 GRADUATION

Departmental Scholarships

The University of Delaware Physical Therapy Department is pleased to offer several different scholarship opportunities to our students each year. We are extremely grateful to the donors and benefactors who make this possible. Below are the highlights of the awards that we are able to offer to our students.

If you are interested in supporting a DPT scholarship please contact Dr. Gregory Hicks at ghicks@udel.edu.

Cathy Doetzer Kohlenstein Clinical Educator's Award

This award is funded by a generous endowment recently established by the family of Cathy Doetzer Kohlenstein, to celebrate her life and to create a legacy for her three sons and future generations. This award will be presented each year to an alumnus for outstanding contributions to the clinical education of University of Delaware Students.



Lauren Tigani receives the Cathy Doetzer Kohlenstein Clinical Educator's Award from Dr. Karla Bell.

Faculty Award

This award is presented to a student who demonstrates exemplary qualities of integrity, cooperation, initiative, and leadership in the University of Delaware Physical Therapy Program. Recipient Eugene Khoroshan was unable to attend the commencement ceremony.

Scholarship Award

This award is given to a graduating student for a high level of scholastic achievement in the University of Delaware Physical Therapy Program.



Jacob Capin receives the Scholarship Award

Stauffer Scholarship

This scholarship is awarded to a University of Delaware alumnus pursuing doctoral training in the Department of Physical Therapy at the University of Delaware.



Betty Kipp-Stauffer, founder of the Stauffer Scholarship, with Dr. Greg Hicks.

Chair's Award

This award recognizes a student who has made special contributions to the UD PT Program by giving of his or her time and effort to improve the program and helping the Director and the faculty to fulfill the mission of education, scholarship, and service.



Kristin Lockwood receives the Chair's Award

Alumni Award

This award recognizes a University of Delaware graduate who has made an outstanding contribution to the Physical Therapy Department



Jennifer Flug receives the Alumni Award from Dr. Greg Hicks.

UDPT HAPPENINGS

Lynn Snyder-Mackler Receives APTA Mary McMillan Lecture Award



An international leader in clinical research, and alumni distinguished professor at the University of Delaware; Lynn Snyder-Mackler has been named the American Physical Therapy Association (APTA) 46th Mary McMillan Lecturer. “I was shocked, really shocked. Honored, of course, it’s a huge deal, but very surprised.” Lynn Snyder-Mackler recalls of receiving the Mary McMillan Lecture Award at the 2014 APTA NEXT Conference in Charlotte, North Carolina. She had been notified of her selection for this honor in advance, but the magnitude and prestige of the achievement are humbling, and the situation still feels surreal. “The award is the highest honor bestowed by the APTA and recognizes a member who has made a distinguished contribution to the profession of Physical Therapy,” says Greg Hicks, Chair of the Department of Physical Therapy.

Snyder-Mackler notes that she will use the lecture as an opportunity to touch upon subjects that have not yet been widely addressed in the realm of physical therapy. She draws from an expansive pool of experiences as a clinician, researcher, leader, mother, wife, and educator to offer a unique perspective on not only becoming a professional in the field (including the elusive idea of life-work balance), but also training the next generation of physical therapists. Without giving too much away, the talk will build upon the

McMillan Lecture presented by Jim Gordon at last year’s NEXT Conference, “If Greatness is a Goal,” in which he spoke of a three-pronged approach to physical therapy education. Snyder-Mackler will present what she believes is necessary to successfully integrate this three-pronged approach into a physical therapy program, based on her experience as a clinician-researcher as well as a professor. She points out that most of the previous award recipients have held executive positions within the APTA or their department faculty; however, she acknowledges that she has remained apart from the administrative world, being that her strengths lie in clinical research and inspiring students. This allows her to approach the concepts surrounding education from a different angle than previous lecturers. Snyder-Mackler has read all of the McMillan Lectures given before her, and notes that the ideas and lessons she hopes to convey have not been previously presented in this setting. In discussion of one of the themes of her lecture, Snyder-Mackler comments, “It may not be easy to hear, but it’s an important message for anyone going into the field. I feel that it has been a bit of a taboo subject up until now.”

As the date of this year’s APTA NEXT Conference approaches, Snyder-Mackler is feeling both excited and nervous to give this year’s Mary McMillan Lecture. The UDPT community shares her excitement, as they will confirm that Snyder-Mackler’s receipt of this award is over-

whelmingly well-deserved. “We are very proud of her accomplishments and wish her the best as she prepares for this prestigious lecture,” says Hicks.

In addition to her appointment at UD, Snyder-Mackler is a visiting researcher for the Norwegian Research Center for Active Rehabilitation, and she is on the scientific board for the World Village of Women’s Sports in Sweden. Snyder-Mackler earned a BA from The Johns Hopkins University, a certificate in physical therapy and an MS in organizational behavior from the University of Pennsylvania, and a ScD in applied anatomy and physiology from Boston University. Snyder-Mackler was named a Catherine Worthingham Fellow in 2003, and has earned many other APTA honors and awards for her work, including the Eugene Michels New Investigator Award, Golden Pen Award, Chattanooga Research Award, Marian Williams Award, Helen Hislop Award, Orthopaedic Section Steven J. Rose Award, and Section on Research John H. P. Maley Award.

Despite her international reputation and extensive list of honors, Snyder-Mackler has a natural, approachable way of speaking that, combined with her passion for her work, will surely make for an unforgettable lecture. Snyder-Mackler will present the 46th Mary McMillan Lecture at the APTA’s 2015 NEXT Conference and Exposition in National Harbor, Maryland on Friday, June 5th at 10:00 am.

Award information provided by Diane Kukich

Help Support the UD Physical Therapy Program!

With your support, the Physical Therapy program will be able to provide even more resources and opportunities for our students. For example, pairs of students will have high-low tables and interactive technology to allow them to learn hands on patient care and treatment application. Your support also allows the Physical Therapy Department to increase its class size from 36 to 60, accommodating the increasing demand for Physical Therapists.

Making a gift is simple. Just visit www.udel.edu/makeagift to use our secure, online giving form. Please be sure to allocate your gift to the “Physical Therapy” in the “Other” box.

Many companies match gifts of their employees. This is a great way to double or even triple your gift! Check with your company’s Human Resources Department or visit our online database at www.matchinggifts.com/ud to find out if your employer matches gifts.

RESEARCH

Dressed for Success: NIH Funds Go Baby Go's Exoskeleton Clothing Design



Dr. Michele Lobo, leader of Go Baby Go's Super Suits Program encourages reaching in a child with

Forever seeking innovative ways to promote early mobility through accessible outlets, Go Baby Go's Super Suits Program, run by UD faculty member Michele Lobo, is designing children's clothing that encourages upper extremity movement. Originally founded with an interest in ride-on cars for infant and pediatric mobility, Go Baby Go has been re-branding itself, resulting in 3 projects with the same mission of promoting early movement and exploration. The Power Racers Program, run by Cole Galloway and featured in last year's Alumni Newsletter, continues Go Baby Go's original work with retrofitting ride-on cars available through most major toy stores. The Force Field Program incorporates Enlighten harness systems into play environments to encourage interaction with the space. The Super Suits Program, the third Go Baby

Go branch, is the FUNctional fashion program run by Michele Lobo, who works with a multidisciplinary team that includes members from engineering and fashion and apparel studies. Michele Lobo's team has been developing ways to alter existing children's garments to suit the mobility needs of the child.

Lobo stresses the importance of dosage in effecting true change in motor behavior. She points out that the assistive technology currently being utilized for rehabilitation is not only expensive, but also limited in its availability. Traditional exoskeletons designed to facilitate movement are often bulky, uncomfortable, and difficult to don and doff. "Sometimes low-tech is more effective than high-tech. Kids outgrow things so quickly, so whatever devices they're using either need to

grow with them or need to be inexpensive and easy to replace." Super Suits' aim is to increase therapy time by redesigning orthoses and exoskeletons by weaving them (literally) into everyday clothing to maximize comfort, use, and aesthetic appeal. This way, setting up and using the "technology" is no more difficult than dressing and playing.

One of Super Suits' NIH grant-funded projects is the Playskin Lift™ exoskeleton. Particularly helpful in children with significant arm weakness like those with brain injury or arthrogryposis, the Playskin Lift™ incorporates strategically placed bundles of music wire into fitted garments in order to provide some additional lift for the upper extremities. The idea of the exoskele-

ton is to assist in the development of motor behaviors that are essential for early play, self-care, and learning. Families in the Newark area, Pennsylvania, Georgia, Massachusetts, California, and Minnesota have been using the Playskin Lift™ and sending their feedback, which has been positive so far. The feedback has allowed for adjustments to the Playskin Lift™ fabric to make the garment more breathable, and has led to creation of a swimsuit variation for aquatic and summer use. Video submissions of the child in action allow Lobo and her research team to assess movements and behaviors, including quantification of toy contact with and without the Playskin™. To make the assistive clothing even more accessible, there is a full instruction manual available through Lobo's faculty page on the UDPT website, outlining how to recreate the Playskin™ exoskeletal garment at home. All of the materials are avail-

able at craft or hardware stores, as well as online.

Another ongoing project utilizes EMG sensors within the clothing to detect muscle activation and

produce visual biofeedback in the form of lights on the garment. This concept is now being expanded to control not only lights on a shirt, but an entire play environment. Super Suits is also experimenting with toys that sense and respond to movement detected by infrared sensors, accelerometers, and stretch elastic band sensors.

“ Low-tech is more effective than high-tech to get high-dose therapy. ”

RESEARCH

Dressed for Success (continued)

The recent move to STAR Campus has allowed the Super Suits Program to grow exponentially. The biggest factor, Lobo says, is space. With her own lab, more development and testing can occur on-site. The additional space has also created an outlet for undergraduate student clubs, like the cleverly named Sew Baby Sew, to address the needs of families in the community. Lobo and Martha Hall from Fashion & Apparel Studies recently worked together to introduce an undergraduate fashion design course that challenged students to work with children with disabilities to identify their wants and needs for clothing. The course was a huge success with stu-

dents and families and culminated with the participants working the runway to show off their new outfits during a fashion show at STAR Campus (<https://www.youtube.com/watch?v=cs1bDTzCLsl>).

The Go Baby Go research teams are continuously rethinking the concept of medical devices, and devising ways to reduce the cost and increase the usability of assistive technology. Now a diverse yet cohesive group of physical therapists, researchers, engineers, and designers, Go Baby Go has the minds, resources, and space necessary to put their plans into motion. Aside from NIH grant money, Go Baby Go operates solely on donations. If you are interest-

ed in making a financial contribution to support the innovative work being done in the Super Suits Program or other Physical Therapy labs at STAR

Campus, please contact Cyndi Haley (chaley@udel.edu).



Lobo and PhD student Elena Kokkoni work with a child wearing the Playskin Lift

David Tulsky joins University of Delaware Physical Therapy Faculty

David Tulsky, PhD has formed a new Center on Assessment Research and Translation (ART) that is quickly establishing itself as the leading rehabilitation outcomes measurement center in the country. ART is a UD Cross-College Center that spans three colleges across the campus (College of Health Sciences, College of Education, and College of Arts and Sciences). ART is directed by Dr. David Tulsky, a Professor in the Department of Physical Therapy, and is current-

ly comprised of two additional full professors (Drs. Ratna Nandakumar and Joseph Glutting from the University of Delaware School of Education), two assistant professors (Drs. James Holdnack and Daniel White in the Department of Physical Therapy), a research scientist (Pamela Kisala, M.A.), and a postdoctoral research scientist (Dr. Matthew Cohen). ART focuses on improving the lives of people with disabilities through innovation, discovery, demonstration, and application. Dr. Tulsky and colleagues have developed new assessment instruments targeting individuals with disabilities including the Spinal Cord Injury Quality of Life (SCI-QOL), Spinal Cord Injury Functional Index (SCI-FI), and the Traumatic Brain Injury Quality of Life (TBI-QOL), which are rehabilitation-specific patient reported out-

comes measurement systems that were developed using state-of-the-art measurement techniques including advanced psychometric theory. Dr. Tulsky and his ART colleagues have been instrumental in the development of measurement systems funded by large NIH initiatives including the Patient Reported Outcomes Measurement Information System (PROMIS), Neurology Quality of Life (Neuro-QOL) measurement systems and the NIH Toolbox for Neurological and Behavioral Functioning.

Dr. Tulsky and ART investigators currently have active collaborations with 18 institutions (5 Universities, 6 Rehabilitation Hospitals, 3 VAs, and 4 DoD Military Treatment Facilities). Additionally, ART investigators are actively engaged in large research

consortiums including the BADER Consortium, (a large DoD funded network to build research infrastructure in DoD Orthopedic Military Treatment Facilities) as well as the Spinal Cord Injury Model System and Traumatic Brain Injury Model System Programs (consortia composed of the top 14 leading SCI and 16 leading TBI Centers, respectively). ART is also collaborating with the Rehabilitation Research and Training Center on improving rehabilitation outcomes measures and the PROMIS Network (PROMIS Health Organization). These multisite collaborations and involvement in multiple consortia offer early career rehabilitation scientists and other young investigators connections that could significantly impact their c a r e e r .

Exhibition features FUNctional fashion show, cross-disciplinary solutions



Martha Hall (left) talks to apparel design students

Martha Hall is used to the funny looks and questions she gets when she tells people that she's the fashion designer for the University of Delaware's Go Baby Go program.

"Everyone wants to know why a physical therapy department would need a fashion designer," says Hall, who teaches in the Department of Fashion and Apparel Studies but is also part of a team that designs, makes prototypes and tests garment-based devices for kids with special needs.

This spring, those two interests came together when Hall taught a new childrenswear course called FUNctional Fashion, which paired apparel students and kids to co-design garments that would address specific clothing-related challenges.

The FUNctional Fashion Team, which runs under the Go Baby Go umbrella, is led by Michele Lobo, assistant professor of physical therapy.

On the evening of April 10, a "red carpet" was laid out in the Health Sciences Complex atrium at UD's Science, Technology and Advanced Research (STAR) Campus for a princess, a ninja and other young fashionistas to show off their style to attendees at the Designs for Healthy Living Exhibition.

In addition to the fashion show, the exhibition featured

research addressing a broad range of health issues, from human and animal health to physical and emotional health to the health of society and the planet. The exhibition was curated by Dilia Lopez-Gydosh, assistant professor of fashion and apparel studies.

"Innovation happens when we collaborate with others who have a completely different toolbox than we do," Hall said in welcoming community members and University faculty, staff and students to the event. "We can show one another new ways of addressing health challenges that really make a significant impact."

Exhibits and demonstrations from four of UD's seven colleges highlighted a broad range of topics including zero waste fashions, devices to facilitate mobility, food safety, community health promotion and interpretive horticulture.

Kids played with adapted toy race cars, and families lined up at the Go Baby Go Café for complimentary ice cream from the UDairy Creamery, while representatives of UD's Healthcare Theatre Program demonstrated devices that provide realistic training for nursing students.

Senior apparel design student Dani Civil created a princess dress for 4-year-old Natalie, who has Down syndrome, in

Hall's FUNctional Fashion class.

"Natalie's older sister, Hannah, has commercial princess dresses that Natalie wanted to wear, but the fit and closures of these dresses weren't working for her," Hall said in announcing the young model's walk down the runway during the fashion show.

For Civil, her client's excitement about the "pink ponte knit tea-length dress with full tulle skirt and chiffon cap sleeves" made the project very rewarding.

"It meant so much to me to do this for Natalie with input from her and her family," Civil said. "Everything else I've made has been for me."

Hall would like to teach the class again, and she also plans to continue her quest to bring together people whose paths might not otherwise cross at UD.

"Working with Michele Lobo and Cole Galloway in the Go Baby Go Program has been one of the best things that ever happened to me professionally," Hall says. "I can't imagine a better place to apply my skills as a designer. Initiatives like Design for Healthy Living are a way to bring researchers from different areas of UD together, sharing interests in similar topics."

Ashley Pigford, assistant professor of visual communications in UD's Department of Art, came to the exhibition to engage the public with robots making art.

"The idea behind this is to teach technology as a means rather than an end," he said.

Pigford shared space at the exhibition with a registered student organization, Design, Innovation, and Positivity, which "connects students that have ideas with students that can take those ideas to the next level."

That's exactly what Hall had in mind when she launched Designs for Healthy Living.

Written by Diane Kukich

View the article and video on UDaily at: <http://www.udel.edu/udaily/2015/apr/designs-healthy-living-042015.html>

Still frames taken from video by Ashley Barnas



Natalie gets outfitted with her custom-made princess dress by senior apparel design student, Dani Civil.

UD INTEGRATED CLINICAL EXPERIENCE UPDATES

Clinical Services & S&O/NOA Update



We just passed the 1-year mark in our new clinical space. This past year was filled with great opportunities to move in, find homes for all our equipment and create new procedures for patient flow to ensure efficient use of the space. It took almost a year but the Neurological and Older Adult and Sports and Ortho clinics are finally in a groove! Just in time, because the clinic will see our first semester with 60 students this Fall. We had some of our first year students join us this Spring and in anticipation of the upcoming increase in load we have expanded our permanent staff. We had 5 clinicians join us this year to supervise students in the clinic and work in our research laboratories. All of our new hires are Residency trained in their specialty areas and many are UD Grads or UD Residency grads! In NOA, we have Leslie O'Neill UD DPT '11 Neuro Res Ithaca '12 and Sarah Smith DPT Columbia '12 Geri Res St. Catherine's '13. Both are also working in research laboratories in the areas of stroke

and elderly low back pain. In Sports Ortho, we have Jeff Miller UD DPT '11 UD Sport Res '14, Greg Seymour UD DPT '10 EIM Ortho Res '12 and Michael Palmer DPT UMES '13 UD Sports Res '14. We are very excited to have these outstanding clinicians join us in their respective specialty areas and their dedication to the education of our current DPT students is one of the values we hold in highest regard. We have plans to add one more Neuro or Geri specialist to our NOA team with a July 1 hire and that should have us fully staffed



and prepared for our new baseline class size of 60. The new space and staff have really allowed us to accommodate the growth of the program and research initiatives of the department. We are excited to complete our first full year of 60 students beginning this Fall.

The clinic has also benefitted from some technological upgrades from the Longwood Foundation grant. We have a treatment room that is fully equipped for recording evaluations and treatments to be live streamed to the classroom or archived for later playback in the classroom or other educational endeavors. We look forward to the use of this technology to supplement our Residency training and allow us the flexibility needed to embark on our new Manual Therapy Fellowship program in 2016. We hope to pilot our Fellowship program as a part-time program and if successful, consider expansion of our current Residency programs to allow for part-time options as well. Keep a lookout on our clinic webpage for information about these programs as they develop at www.udptclinic.com.

The clinical relationships with our community partners continues to flourish. We provide pediatric services with Tracy Stoner UDPT '90 PCS at the Early Learning Center on-site at UD and she assists with the coordination of our pediatric partnerships for student training. We also have a partnership with ATI Physical Therapy for training of advanced clinical instructors in our UDPT clinic and Christina Jones DPT Stockton '08 has been our first enrollee. We are also currently involved in some practice projects with 2 ATI sites, led by Kaitlin Hafner UDPT '11 and Jason Brandi



DPT Temple '12, Temple Ortho Res '14, supported by Doug Adams UDPT '08 UD Sports Res '09. Our newest partnership is a clinical collaboration with HealthSouth Middletown. We look forward to growing our community collaborations in the coming year and hope to see many of you here at UD for our Fall Open House. Please try to schedule a stop-in. We would love to see you and show you our new digs!

Written by Tara Jo Manal, PT,
DPT, OCS, SCS,
Director of Clinical Services

DEPARTMENT NEWS

The Physical Therapy Department Welcomes Five New Faculty Members

Five new faculty members joined the Physical Therapy department this past year: Anjana Bhat, Michele Lobo, Karin Silbernagel, David Tulsy, and Daniel White.

Anjana Bhat joins us from the University of Connecticut, where she held an appointment as Assistant Professor. She received her BS and MS PT from LTM Medical college at the University of Mumbai. She earned her PhD in Biomechanics and Movement Science from the University of Delaware in 2005, working under Dr. Cole Galloway and completed a post-doctoral



Photo: Sheila Perretta / UConn Today

fellowship at the Center for Autism Related Disorders at Kennedy Krieger Institute and Johns Hopkins School of Medicine. Bhat's current research interests include assessment and intervention for infants, children, and adults with autism. "I am excited to be a part of this dynamic and productive team of UDPT faculty and students who strive to obtain professional, academic, and research excellence. In particular, it is great to be part of a larger team of pediatric clinicians/researchers and to bring new expertise in the area of autism research to the University of Delaware's College of Health Sciences," says Bhat.

Michele Lobo is now a member of the UDPT faculty, after years working in the university's Motor Behavior Lab, first as a Post-doctoral Research Fellow (2006-2009), then as a Senior Research Scientist (2010-2014). Her current research focuses on early interventions and rehabilitation devices to improve movement, play, and learning for infants and children with movement impairments, including arthrogryposis, brain injury, and preterm birth. Lobo received her BS from The college of New

Jersey and her MPT from Drexel University. She went on to earn her PhD in Biomechanics and Movement Science at the University of Delaware under Dr. Cole Galloway in 2006.



Photo: UDaily, Kathy F. Atkinson

Karin Grävare Silbernagel comes to us from University of the Sciences in Philadelphia, where she had been an Assistant Professor since 2011. She received her BS in 1990 from Boston University and her MPT and PhD from the University of Gothenburg in Sweden. She has since gained extensive experience as a researcher and physical therapist in the US and

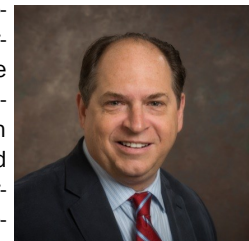


Photo: Evan Krape / UDaily

Sweden. Her current research interests include the structure and mechanical properties of tendons and the determination of optimum exercise dosage for treatment of tendon injuries.

David Tulsy is joining us from New York University's Langone Medical Center, where he was previously the Irving Geist Professor of Rehabilitation Medicine. Tulsy earned his BS in psychology from the University of Illinois at Urbana, and

then went on to earn his master's and doctoral degrees at the University of Illinois at Chicago. Tulsy will be helping to support a number of programs at the university, including the Center for Translational Research ACCEL Program and the BADER Consortium. Tulsy's research interests include the measurement of outcomes and quality of life in individuals with SCI, TBI, and other disabilities, and he will be working to create a Center for Assessment Research and Translation at UD.



Daniel White received his BS in Health Science and MPT from Sargent College at Boston University. He worked at Braintree Rehabilitation Hospital before returning to Boston University to begin his doctoral studies. He received his ScD in Rehabilitation Sciences from Sargent College at Bos-



Photo: Foundation for Physical Therapy

ton University followed by post-doctoral training in Health Outcomes at the Boston University School of Public Health, where he received his MS in Epidemiology. Dr. White's research focuses on people with arthritis and older adults. His primary interests include: developing physical activity interventions, understanding drivers and consequences of physical activity, and studying trajectories of physical function. "I am thrilled to be here and look forward to exciting collaborations with faculty and students," says White.

DEPARTMENT NEWS



First Annual Family Fun Day to Benefit PT Students' Donation to The Marquette Challenge

The University of Delaware Physical Therapy department held its first annual Family Fun Day in October 2014. The event had a range of activities for community members of all ages to enjoy, including a moon bounce, carnival games, health screens, silent auction, and plenty of food. The day was planned to benefit the Marquette Challenge, a fundraising effort to support physical therapy research through the Foundation for Physical Therapy.

The organization of Family Fun Day was led by two class officers from the DPT class of 2015: Nick Rech (class president) and Ninia Agustin (fundraising chair). After meeting with SPT leaders at the 2014 APTA NEXT Conference, Rech proposed the idea of hosting a gala as a fundraising event to fellow UDPT class officers. The concept of a large-scale fundraiser was well-received, but the Class of 2015 officers voted in favor of a more informal, carnival-style event. The carnival would need to take place no later than mid-October to increase the chance of favorable

weather, which left only 2 months to plan the event. Agustin comments, "we knew it would be a lot of planning, but once you're into it, you realize there are more details to sort through." To start, they had to get administrative approval to organize the event, but that was just the begin-



ning. "Starting from scratch and not knowing what needed to be done was daunting" states Rech. Cyndi Haley, Business Administrator of the department, became their main contact for acquiring the necessary intra- and extra-departmental approvals, permits, supplies, and insurance.

The planning of Family Fun Day became a department-wide effort. Students helped advertise the event, and reached out to personal contacts and local businesses for donations. Faculty lent tents, chairs, and tables and contributed baskets to the silent auction. "Enthusiasm grew during preparation, especially in the week leading up to the event. Everyone pitched in."

Family and friends of both faculty and students came out to the event, as did local residents. Despite windy conditions, the attendees enjoyed activities like pumpkin and face painting, sand art, ring and water balloon toss, balloon animals, and fire truck tours, all set up on the front lawn of STAR Campus. Guests were also offered tours of



STAR Campus and health screenings run by DPT students. Food selection included grilled-to-order burgers and hot dogs, Millburn Orchards hot apple cider and cider donuts, and a wide variety of baked goods provided by DPT students. "It was great to see DPT students come together with faculty and community members to make the event a success," says Alice Vienneau, DPT II student and APTA liaison. "We had great attendance at the wellness booth, I had the opportunity to work with people of all ages," recalls Jessica Galgiani, DPT II student, "the children seemed really excited, they had so much energy!"

DEPARTMENT NEWS

The event grossed \$5,000 in ticket sales and auction bids, with a profit of \$2,500. Dr. Steven Tepper, long-time affiliate and friend of the department, was impressed by the large collaborative effort put forth by the students and faculty and personally donated a substantial gift toward the



Marquette Challenge. He stated that he will continue to match Family Fun Day earnings in the future, as he is able. Overall, the DPT classes will donate \$15,000 to the Marquette challenge this year, a dramatic increase from the \$3,000 that has been donated in previous years. Rech and Agustin consider the day a huge success, especially considering the event was planned in only 8 weeks. Rech notes that there was a great effort made to document all of the preparatory processes so that next year more time can go into expanding the event. "The foundation has been

laid" says Agustin, "Next year with 120 students to organize it, the event should be even bigger and better."

The Physical Therapy department looks forward to hosting the event again on August 29, 2015 outside of STAR Campus.

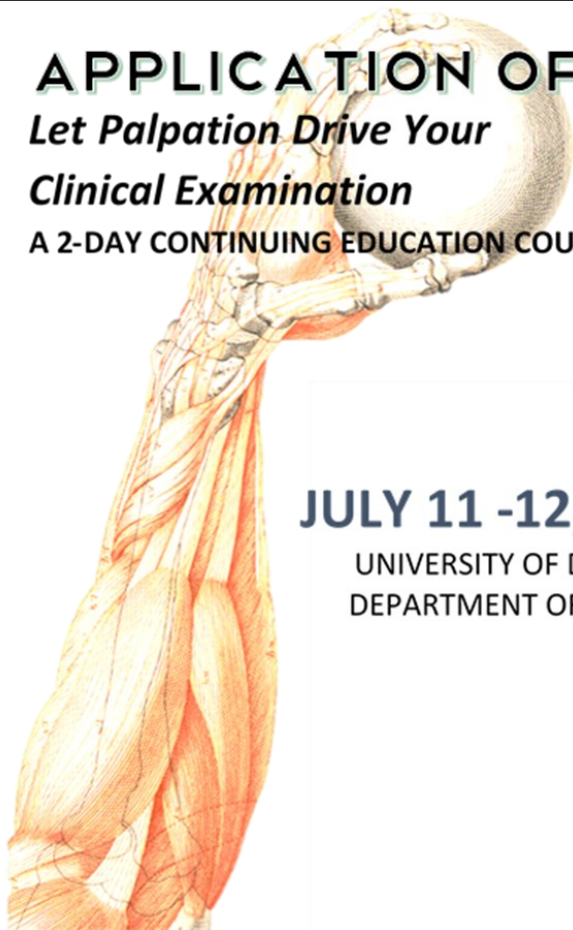


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JULY 11 -12, 2015

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Mail check and registration form to:

Nick Milton

University of Delaware Dept. of

Physical Therapy

540 S. College Avenue

Newark, DE 19713

nmilton@udel.edu

**All proceeds support UD DPT student's fundraising efforts for the Foundation for Physical Therapy*

Deadline for Early Bird Registration: June 11th, 2015

DPT STUDENT NEWS

Class of 2015 Written by Nicholas Rech, SPT, Class President

The start of this spring semester marks an exciting time for the class of 2015. We have started our last semester of classes here at UD. In a few short months we will begin our full-time clinical rotations at various sites around the country. Just this week, we started a 50-day countdown till the end of the semester. We have a card for each class day remaining with a memory of our time here at UD that we flip over and read. The class of 2015 has had an incredible journey so far and the light at the end of the tunnel is in sight. However, we still have work to do.

We are finishing up our didactic portion of the curriculum with our Spine and Pediatrics classes. We got a taste of the basics in previous courses, and we are building on that this spring. The ELC has been a great resource for us to observe and interact with children as we learn about the different aspects of child development. The last group of students are completing their S&O, NOA or pediatrics Integrated Clinical Experiences (ICE) this spring as well. These have truly been a great tool for us to gain experience working with patients while improving our critical reasoning, communication and manual skills. Finally, a group of students is taking a Sports elective class this spring for those interested in a sports and orthopedics setting.

As always we are working hard in our efforts in the Marquette Challenge to raise money for the Foundation for Physical Therapy. We are excited to announce we will be hosting a CEU course on July 11-12th at STAR titled *Application of Clinical Anatomy: Let Palpation Drive Your Clinical Examination*. This course will provide healthcare providers with the ability to conduct thorough palpation examinations of the upper extremity, spine, and lower extremity that will enable patient diagnosis, determination of the need for additional diagnostic testing, and generation of a treatment plan.

In closing, the class of 2015 would like to thank all our professors, office staff, clinic staff, clinical instructors, guest lectures and teaching assistants for helping us through our journey through PT school. It's been a rough ride at times but one thing is for certain, we are all better for it.



Class of 2016 Written by Nicholas Milton, SPT, Class President

The class of 2015 is settling into the Spring Semester in our new home at the STAR campus. We said farewell to McKinly but we will always carry with us the fond memories we formed there together during our first months of PT school. We are excited to take advantage of our larger classroom, new plinth lab featuring over 30 high/low tables and a spacious clinic. In addition to our classes, this semester is a new challenge for some members of our class as they begin their first Integrated Clinical Experiences (ICE's) in the Sports and Orthopedic (SO) and Neurologic and Older Adult (NOA) sections of clinic.

We would like to send a huge heart felt thanks out to the second year class for their guidance and support so far. Their selflessness and genuine desire to help us to succeed is evident especially through the new Study With a Buddy sessions (SWiBs) they initiated to help us study for Anatomy and Acute Care. We are excited to continue this new tradition for the class of 2016. We also want to thank the faculty and staff for being so welcoming and open to us as they help us navigate our way through school. It's hard to believe that in just a few short months we will be welcoming the class of 2016 and wishing the Class of 2015 good luck as they embark on their full time affiliations.



2014 Community Service

Over the past year both DPT classes have continued UDPT's tradition of community service and were involved in many community service opportunities, including the following, where students:

- Volunteered for Girl Scout event "Magic of Motion"
- Ran in Hearts for Heroes 5k Run to benefit TBI/PTSD
- Worked with a man with spina bifida on a general strength and conditioning program
- Worked to help a patient with MS complete his home exercise program, including stretching and strengthening exercises
- Work with a man who has ALS to maintain flexibility, mobility, and improve quality of life.
- Aided in re-integrating an individual with TBI back into a working environment at the school run cafe
- Assisted an undergrad with CP with his braces and a stretching program
- Helped organize and participated in the Keep Punching 5K, to benefit brain cancer treatment and research
- Volunteered at Newark Community Day
- Assisted in comprehensive evaluations of patients with amputations, as part of a study aimed at helping these individuals obtain new prostheses
- Volunteered at the Family Fun Day wellness booth, performing fitness screens on community members
- Second year students organized review (Study with Buddies) sessions for first years



Professors and community members participate in the step test, run by PT students, at the Keep Punching 5K



Keep Punching 5K PT student volunteers

Rachel Lins, DPT 2, Attends Health Conference in Abu Dhabi



Rachel Lins (second from the right) with other attendees of the NYUAD Health Professions Weekend in Abu Dhabi

There was a light breeze as I stepped out of the confines of the Abu Dhabi airport, but it was not strong enough to mask the hot evening air, which I welcomed after 16 hours of experiencing the chilly commercial-airline AC. I had finally reached my destination- a place where in total I would be for a shorter duration than the sum of my round trip flight. I was elated! To think, it all started with a brief (and very random) conversation with Dr. Wruble, Director of the Doctoral Physical Therapy Program, about my desire to travel and do PT/education overseas...

So, there I was standing at the Abu Dhabi airport, awaiting my taxi to whisk me away towards fulfilling my dreams. My reason for being there you ask? Through Dr. Wruble's connections I was invited to attend the NYUAD (NYU satellite campus in the United Arab Emirates) Health Professions Weekend as a student ambassador for the UDPT program. During the course of the weekend I was to be presenting information of admissions as well as providing information and materials to students at a school fair. In addition to observing their wonderful, new campus I had the opportunity to meet their students, as a peer; learn about the culture they are a part of, and network with faculty and staff from leading schools not only across the US, but from around the world.

When I think about, it is still baffles me that this opportunity was real life. Another step along the way- a reminder to persevere.

Written by Rachel Lins, DPT2 Student



PT student volunteers discuss the cardiovascular system with the Girl Scouts at the "Follow your heart" station during the "Magic of Motion" event



Sheikh Zayed Mosque in Abu Dhabi

ALUMNI UPDATES

Alumni News

Congratulations to all of our graduates for their personal and professional accomplishments!

Class of 1977

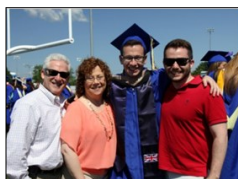
Susan (Wood) Cecere was re-elected as Vice President of the Section on Pediatrics, and was a presenter at the Innovations in School Practice conference July 2014 and at the Section on Pediatrics conference November 2014

Class of 1981

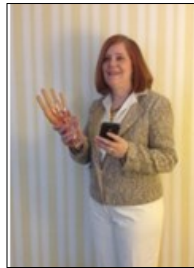
Pamela (Ungerma) DeMent was appointed Academic Coordinator of Clinical Education at South College, Physical Therapy Assistants Program.

Class of 1982

Patti Polirer Beutel and Phil Beutel (BS Econ '1981) were so happy to celebrate their son Stephen's graduation from UD in May 2014. Stephen pursued a double major in Marketing and Sports Management. Since graduation, he has been an intern at U Cal-Berkeley in the Fan Experience Department and will be starting as a Marketing Assistant at the University of Florida in July. Patti and Phil's older son, Alex, is a 4th year graduate student at Carnegie Mellon University, pursuing his doctorate in Computer Science.

Class of 1984

Marjorie Werrell spoke at the Region III VPPP (Voluntary Protection Program) Conference on March 4, 2015. The VPPP is an (OSHA) initiative that encourages private industry and federal agencies to prevent workplace injuries and illnesses through hazard prevention and control, worksite analysis, training,



and cooperation between management and workers. She shared studies and strategies for preventing musculoskeletal injuries associated with mobile device usage. Marjorie is owner of ERGOWORKS Consulting, LLC that provides worksite analysis, ergonomic training, and return-to-work programs. She finds it rewarding to combine her PT skills to impact front-line work for agencies and companies like Library of Congress, FDA, US Navy, and BNA.

Craig Joachimowski is now a Certified Hand Therapist, in addition to his certification as an Orthopedic Clinical Specialist, which he received in 2006.

Class of 2002

Jill (Witmer) Millard was married in Montego Bay, Jamaica on Sept 13, 2014 to Bruce Millard. Her new last name is now Millard.

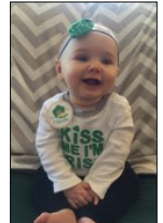
Class of 2001

Laurie (Sweet) Fitz got Married on 7/25/2014 to Douglas Fitz in New Hope PA. Her last name has changed for anyone looking to find her!

Class of 2004

Dana (Jenson) and Frank Mieczkowski welcomed Tessa Claire on Nov 11, 2014. She has two big sisters Anna (4) and Emily (2).

Scott McGillen and his wife Kelly welcomed their first on 8/15/14, a daughter they named Kaitlyn Lee!

Class of 2005

The Class of 2005 got together for a Christmas party, December 2014, with significant others and future little PTs. The class still gets together frequently throughout the year. Pictured UDPT graduates include Kama (Smith) Porcelli, Jim Porcelli, Lisa (Pozzi) Ross, Travis Ross, Kate



(Pantalino) Jones, Lindsey Smart, Michelle Nardone, Lynn (Niedzialek) Cunningham, Megan (Moeller) Montalvo, Steve Montalvo, and Allison (Sabo) McGlamary.

Class of 2006

Angela (Hutchinson) Smith would like to announce the birth of her daughter, Maeve Amelia Smith, on August 8, 2014. Maeve was 7 lbs, 2 oz and 21 inches.



ALUMNI WEEKEND

June 5-7, 2015

Friday, June 5 Events

■ We are honored that Dr. Lynn Snyder-Mackler has been chosen to deliver the 46th Mary McMillan Lecture at the NEXT Conference. We will be holding a reception in her honor, to which all UDPT alumni are invited. The reception will be in National Harbor, MD on Friday, June 5th from 6:30-8:30 PM. Please RSVP to Cyndi Haley at chaley@udel.edu if you would like to attend.

Friday, June 5

• College of Health Sciences Alumni Reception:
STAR Campus, 540 S. College Ave 5pm-7pm
Please register if you are able to attend at
www.udel.edu/alumniweekend

ALUMNI UPDATES

Class of 2007

William Thompson recently completed a post-doctoral fellowship in the department of medicine at the University of North Carolina in Chapel Hill and took a faculty position at Indiana University in Indianapolis, Indiana. William's wife, Lindsay, and their two children, Kellen (5) and Elliott (2) are enjoying their new home in Indiana, although the cold winters have proven to be a difficult adjustment!



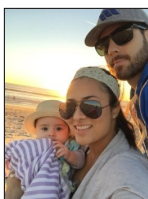
Andrea (Newman) and Gabriel Cziprusz's son Jakob Liam was born 4/1/14 and is already turning 1!

**Class of 2010**

Anna (Shovestul) Grieder married Matthew Grieder on January 17, 2015 in Wilmington, DE

hospital for sick children. In addition to providing outpatient (and some inpatient) services, she is also a red cross certified water safety instructor and teaches swim lessons to kids with special needs through HSC's community-centered group, Kids In Action. Recently, she has started working closely with Cole Galloway on bringing a Special Racers workshop to HSC as a step towards starting their own Go Baby Go program.

Rebecca Huesman was promoted to Clinic Coordinator at the new MedStar Federal Hill Clinic in July 2014.

Class of 2007/2008

Matthew and Yasmine (Nooral) Scott (classes 2007 and 2008, respectively) welcomed their first child, Palmer Stephen Scott on September 19, 2014 in San Diego, California!

Class of 2008

Nicole (Defeo) Needles completed the first CAPTCC in August 2014.

Doug Adams' daughter was born on 1/29/15, and her name is Avery Catherine Adams!

Ari Kaplan and Doug Adams became Co-Founders of the Association of Clinical Excellence (found at www.ptmentorcircle.com), an education and community building company, focused on developing the complete professional. The Association of Clinical Excellence (A.C.E.) has three primary areas of developmental focus: Leadership, Clinical Skills, and Personal Mastery. They also published their first book, *Modern Day Management: A Short Guide to Successful Meetings*.

Class of 2009

Ryan and Lisa (Parton) Scheller (both Class of '09) welcomed Tyler Gregory into the world on December 7, 2014! He was a healthy 21 inches and 7 lbs 9 oz.

Kristen Mansfield is still living in Austin, TX. She helped her company, Select Physical Therapy, open and start up a new clinic and was promoted to Center Manager of the clinic at the end of last year!

Class of 2011

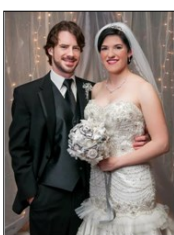
Griff Randle got married April 26, 2014 to Elise Jones and earned his OCS in summer 2014

Louis Awad is pleased to announce the birth of his son, Michael Awad, on November 29, 2014.

He received his PhD in Biomechanics and Movement Sciences awarded from UD in December 2014. In January 2015, he moved his family to Cambridge, MA to start a 2-year postdoctoral research fellowship at Harvard University and the Wyss Institute For

Biologically Inspired Engineering working on soft wearable robots for neurorehabilitation.

Brittany Lynch passed the Sports Specialty Certification Exam and presented in the Sports Section Complicated Cases platform at CSM. Additionally, she married Andrew Lynch (**class of 2008**) at the Yacht Club of Sea Isle City in New Jersey. Andrew and Brittany started dating in the last few months of Brittany's DPT and Andrew's PhD. Their meeting is all thanks to Lynn and Scott Mackler.

Class of 2012

Meaghan (Schober) Harper got married on December 6, 2014 to Chris Harper. They had a fairytale winter wedding in a castle and honeymooned in Cancun! She is now Meaghan Harper, PT, DPT.

Nora Bachman is still living in DC and working at the HSC Pediatric Center, previously the

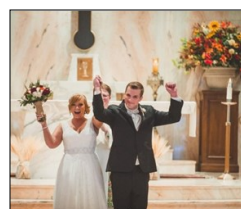
Matt Ryan married his longtime girlfriend, Valerie Snodgrass, on January 3, 2015 in Bedford, PA. He is currently living in Buffalo, NY, where he is working in outpatient orthopedics, and Valerie is completing a residency in Orthodontics at the SUNY Buffalo Dental School.



Juliane Orr was married to Jason Russell on August 23, 2014. They currently reside outside of Pittsburgh, Pennsylvania.

Class of 2013

Carli Neiderer, formerly Shutter, got married on September 20, 2014 to Zach Neiderer.



Dylan Thorne married his wife, Jena Leavens, on October 10, 2014 at St. John's Chrysotom in Wallingford PA.

HONOR ROLL OF DONORS

We gratefully acknowledge the following alumni and friends for their financial contributions and the encouragement their support represents. This Honor Roll includes gifts contributed to the Department and recorded throughout the 2014 calendar year (January – December). Every effort has been made to assure accuracy of this report. Please notify our Department of any errors or omissions, and please accept our apologies for any discrepancies. For information on how to make a contribution, please contact Cyndi Haley with the Physical Therapy Department at chaley@udel.edu or call 302-831-4576.



Thank You!!

Dana F. Albrecht	Virginia F. Fisher	John A. McCracken Jr.	Adrian L. Steel Jr.
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For all donors: If you would like to make a gift in support of our program, you may do so online by going to www.udel.edu/makeagift and please consider designating your donation to the **Physical Therapy Department**. To make a pledge, pay by credit card or mail in a check after filling out the form online. Your financial support provides many opportunities for students to benefit from a quality education. For further information, please contact www.udel.edu/makeagift or call the Office of Annual Giving on 302-831-4654.

HOW CAN YOU HELP ADVANCE PHYSICAL THERAPY RESEARCH?

The UDPT program is currently recruiting individuals to participate in treatment interventions funded by the National Institutes of Health.

Current Research Topics

Stroke	Children birth to 6 yrs old with:
Low Back Pain	Arthrogryposis
Cerebral Palsy	Cerebral Palsy
Total Knee Replacement	Hemiplegia
Pre- and Post-op ACL	Stroke
Osteoarthritis	
Achilles Tendon	

We value your ongoing support of the UDPT department!

The UDPT program strives to produce evidence-based practice through innovative research. As alumni, I hope that you all continue to value the influence that research has on how you treat your patients.

If you have patients who are willing to participate in our research and want to learn more, please contact Martha Callahan (mcall@udel.edu or 302-831-6202). Studies are free of charge and some studies offer monetary compensation for those who qualify.

FACULTY: RESEARCH OVERVIEW AND AWARDS IN 2014

Research Faculty



ANJANA BHAT, PT, PhD (University of Delaware), Associate Professor: Assessments and Interventions for infants, children, and adults with autism.

Laboratory Overview

Dr. Bhat's research focuses on the relationship between motor and social communication development in individuals with Autism Spectrum Disorder. Her team designs and studies the effects of novel assessments and interventions to improve the lives of infants, children, and adults with autism and related disorders. Her current work includes the development of music, yoga, and robotic interventions.



STUART BINDER-MACLEOD, PT, PhD, FAPTA, (Medical College of Virginia), Edward L. Ratledge Professor and Chair of Physical Therapy: Effects of electrical stimulation parameters on muscle performance.

Laboratory Overview

The main focus of Dr. Binder-Macleod's laboratory is the translation of basic science discoveries in the activation of human skeletal muscles with electrical stimulation to the rehabilitation of individuals with CNS dysfunction. Dr. Binder-Macleod's laboratory is currently involved in a number of exciting collaborations involving the improvement of walking function in individuals following a stroke and improving participation in children with cerebral palsy.

Awards

Dr. Binder-Macleod was nominated and selected to serve on the Board of Trustees for the Foundation for Physical Therapy in November of 2014.



JAMES (COLE) GALLOWAY, PT, PhD, (Arizona), Associate Professor: Development of infant motor behaviors, neuromotor development of reaching and novel early interventions for infants under 6 months.

Laboratory Overview

Current projects in the Pediatric Mobility Lab and Design Studio include Pediatric Upper Extremity Exoskeleton and 'Playskin' (Collaboration with Michele Lobo, PT, PhD Assistant Professor), Babies Driving Robots and Racecars (pediatric power mobility), Real World Body Weight Support System Development (Elena Kokkoni, Peds rehab project leader; Devina Kumar, Adult rehab project leader).



GREGORY HICKS, PT, MPT, PhD (University of Pittsburgh), Associate Professor, Department Chair, Director of Advancing Diversity in Physical Therapy (ADaPT) : Interventions for low back pain, rehabilitation strategies focused on trunk muscle function, and understanding factors that impact body composition and physical function in older adults.

2014 RESEARCH AND AWARDS CONTINUED

Laboratory Overview

Dr. Hick's lab primarily focuses on the goal of improving physical function in older adults with musculoskeletal conditions. This line of work has organically evolved to focus on two specific populations: older adults with low back pain (LBP) and older adults who have sustained a hip fracture. Ongoing projects in Dr. Hick's lab focus on understanding the course and consequence of low back pain in older adults with an eye towards developing interventions specific to this population.



SAMUEL LEE, PT, MPT, PhD (Delaware), Associate Professor: Use of electrical stimulation to activate paralyzed or weakened muscles to improve function of individuals with central nervous system injury.

Laboratory Overview

Dr. Lee's lab is currently focused on three major projects. The first is entitled "Functional Electrical Stimulation Assisted Cycling to improve Fitness and Strength in Children with Cerebral Palsy," and its purpose is to promote fitness, strength, and overall health with an introduction to a form of cycling exercise that could be used both for training and as recreation. The second is entitled "Functional Electrical Stimulation for Reducing Crouch Gait in Cerebral Palsy." This is a new project that will develop and clinically test a feedback controlled FES system for helping individuals with CP and crouch gait to walk more erect and more efficiently. The system and subsequent clinical testing are designed to promote physical fitness and motor learning of efficient walking patterns. Our hope is to develop the work into a larger scale clinical trial at some future time." The third project represents a new collaboration with Dr. John Jeka of Temple University. This research uses virtual reality technology to investigate sensory impairments in children with CP and how sensory impairments affect balance. This work will also use a specialized type of electrical stimulation, called stochastic resonance stimulation, to see if it can reduce sensory impairments and enhance balance.



MICHELE LOBO, PT, PhD (University of Delaware), Assistant Professor: Early interventions and rehabilitation devices to improve movement, play, and learning.

Laboratory Overview

Dr. Lobo's research focuses on improving movement, play, and learning abilities for infants and children with movement impairments. She leads an interdisciplinary team from rehabilitation, child development, engineering, and fashion/apparel studies. Recent projects focus on designing and testing FUNctional Fashions and wearable technologies that support and encourage movement for children with impaired arm function due to arthrogyposis, brain injury, or preterm birth



SUSANNE MORTON, PT, PhD, (Washington University in St. Louis), Associate Professor: Neurophysiology of human motor learning; non-invasive brain stimulation to measure and modulate motor behavior; supraspinal control of human locomotion; mechanisms of impaired interlimb coordination following stroke.

Laboratory overview

The Neurophysiology and Neuromotor Behavior Labs use motion capture, electromyography and non-invasive brain stimulation techniques to measure and modulate motor behavior in non-disabled individuals and people with neurological injuries such as stroke and cerebellar damage. Current projects include using brain stimulation to enhance motor recovery from stroke; understanding mechanisms of motor learning and retention of learning in healthy individuals and in people with brain lesions; and studying impairments in interlimb coordination following stroke.



DARCY REISMAN, PT, PhD, (Delaware), Associate Professor: Understanding the mechanisms of movement dysfunction following stroke, as well as how and why different treatments improve this dysfunction.

Laboratory Overview

The Reisman lab continues to be busy investigating recovery from stroke. Our beautiful new space on the STAR campus continues to provide new opportunities and attract new participants. We recently received a large NIH grant to examine the role of brain-derived neurotrophic factor in the process of motor learning post-stroke. We continue our work examining interventions to improve physical activity after stroke and our work with the UD Stroke Team developing a database of information to explore recovery after stroke.



KARIN GRÅVARE SILBERNAGEL, PT, ATC, PhD (University of Gothenburg, Sweden), Assistant Professor: Tendon injuries; Evaluation of treatment effectiveness on patient's impairments and symptoms, and the tendon's structure and mechanical properties.

Determination of optimum exercise dosage for treatment of tendon injuries

Laboratory Overview

The focus of the research is on treatment and rehabilitation of individuals with acute and chronic tendon injuries to achieve tendon health and resolve patients' impairments and symptoms. Currently, the majority of research involves patients with Achilles tendon and patellar tendon injuries. Ongoing projects are evaluating; Continuous shear-wave elastography and ultrasound imaging as diagnostic markers for tendinopathy and tendon rupture, The effectiveness of exercise as treatment for Achilles tendinopathy in different age groups of patients. Lower leg function and tendon structure after Achilles tendon rupture with a goal of developing rehabilitation protocols to address any residual deficits.



LYNN SNYDER-MACKLER, PT, PhD, ScD, (Boston University), SCS, ATC, FAPTA, Alumni Distinguished Professor: Examination of rehabilitation protocols following ACL reconstruction, examining rehabilitation following ACL injury, osteoarthritis, high tibial osteotomy, and total knee Arthroplasty.

2014 RESEARCH AND AWARDS CONTINUED

Laboratory Overview

Lynn Snyder-Mackler, PT, ScD, FAPTA, Alumni Distinguished Professor of Physical Therapy at the University of Delaware, has spent the past two decades developing evidence-based approaches to the rehabilitation of knee injuries. Her laboratory has developed into the premier research laboratory that is internationally recognized for the mechanistic and clinical outcomes after anterior cruciate ligament injury, knee osteoarthritis, and total knee arthroplasty. The lab is also involved with interventional clinical trials designed to optimize treatment after knee injuries. Her laboratory has collaborations with Dr. Thomas Buchanan's lab in Mechanical Engineering and Dr. May Arna Risberg's lab at Oslo University Hospital in Norway. Dr. Snyder-Mackler's accomplishments recently have been recognized with a prestigious MERIT (Method to Extend Research in Time) Award for the National Institutes of Health.

Awards

Dr. Snyder-Mackler has been selected to present the 46th annual Mary McMillan Lecture, at APTA's 2015 NEXT Conference and Exposition in National Harbor, Maryland.



DAVID TULSKY, PhD, Professor: Development of and use of outcomes measures within clinical practice

Laboratory Overview

Dr. Tulsky has formed a new Center on Assessment Research and Translation (ART), which is working on developing new rehabilitation assessment instruments targeting individuals with disabilities including spinal cord injury, traumatic brain injury, traumatic amputation, and other traumatic injuries. ART focuses on improving the lives of people with disabilities through innovation, discovery, demonstration, and application.



DANIEL WHITE, PT, ScD, MSc (Boston University), Assistant Professor: Knee Osteoarthritis, Total Knee Replacement, Physical Activity, Behavioral change, and understanding modifiable factors associated with improving physical function and physical activity in older adults.

Laboratory Overview

Dr. White's lab primarily focuses on improving physical function and physical activity in people with knee osteoarthritis, people after total knee replacement, and older adults. Dr. White's ongoing projects include developing a physical activity intervention using Fitbit (TM) monitors and other consumer technologies as well as understanding trajectories of physical function and their determinants.

Awards

Dr White received the 2014 Excellence in Research Award from the APTA Section on Geriatrics



JOSEPH ZENI, JR., PT, PhD (Delaware), Assistant Professor: Biomechanics and improving outcomes for patients with hip and knee osteoarthritis.

Laboratory Overview

Dr. Zeni's lab has developed an innovative rehabilitation strategy to manage the persistent movement asymmetries after total knee and hip replacement. This rehabilitation approach includes using biofeedback during functional retraining and therapeutic exercises to promote symmetry between the limbs using low-cost tools, such as the Wii Balance Board. The lab has recently validated the use of this technology for measuring movement asymmetry and this article was just published in the Gait and Posture Journal. We have completed enrolling patients in our Total Hip Outcome study, which is a collaborative project between the University of Delaware and physicians from Christiana Care's Center for Advanced Joint Replacement. Dr. Zeni's lab hopes to identify the particular biomechanical and clinical impairments that affect functional outcomes and develop specific interventions that reduce these impairments and maximize function.

Awards

Dr Zeni received the Excellence in Teaching award from the College of Health Science for the 2013-2014 academic year. The award is given to one faculty member within the college of health science who has demonstrated excellence in graduate or undergraduate teaching.

Congratulations to the following UD Alumni who received American Board of Physical Therapy Specialist (ABPTS) Certifications in the year 2013:

Orthopaedic Certified Specialist (OCS)

John Ahern, PT, DPT, OCS (2009)
 Charles Barker, IV, PT, DPT, OCS (2011)
 Laura Danberg, PT, DPT, OCS (2009)
 Joseph Hartnett, PT, DPT, OCS (2009)
 Jeff O'Laughlin, PT, DPT, OCS (2010)
 Griffith Randle, PT, DPT, OCS (2011)
 Kaan Celebi, PT, DPT, OCS, SCS, CSCS
 Robert Reimer, PT, DPT, OCS (2010)
 Robert Rowland, PT, DPT, CSCS, OCS (2011)
 Matthew Westcott, PT, DPT, OCS, ATC (2010)

Sports Certified Specialist (SCS)

Eric Chicas, PT, DPT, SCS (2008)
 Jesse Mohoric, PT, DPT, SCS (2011)
 Brittany Patterson, PT, DPT, SCS (2011)
 Tiffany Strawn, PT, DPT, SCS (2007)
 Kaan Celebi, PT, DPT, OSC, SCS, CSCS

Neurologic Certified Specialist (NCS)

Jessica Haury, PT, DPT, Med, NCS (2009)
 Amy Meyer, PT, DPT, NCS (2008)
 Leslie O'Neill, PT, DPT, NCS (2011)

Residency Completion

Jeffrey Miller, PT, DPT, OCS SCS (7/15/14)
 Joseph Mahon, PT, DPT, SCS (1/15/15)
 Michael Palmer, PT, DPT, OCS (1/15/15)
 Brett MacLennan, PT, DPT, OCS (1/15/15)

Recertifications

Cathy Ciolek, PT, DPT, GCS - Geriatrics
 Lorin Lyons, PT, MPT, OCS - Ortho (1998)
 Kevin Bailey, PT, MPT, ATC, MBA, SCS (2001)
 Brian Catania, PT, SCS (2001)
 Carl Eaton, PT, SCS (2001)
 Wendy Hurd, PT, PhD, SCS (PhD)
 John Jurjans, Jr, PT, DPT, ATC, SCS (1998)
 Chris Kutcha, PT, CSCS, SCS (2002)
 William Padomonsky, II, PT, MPT, SCS (2001)

2014 RESEARCH AND AWARDS CONTINUED

Professional Faculty



GRACE KEENAN ADEMSKI, PT, DPT, GCS, NCS,
Physical Therapist, Assistant Professor



LAURA SCHMITT, PT, DPT, OCS, SCS, ATC, (Temple),
Director of Clinical Education, Assistant Professor



KARLA BELL PT, DPT, MS, OCS, GCS
Director of Clinical Education, Physical Therapist,
Assistant Professor.



JACLYN "MEGAN" SIONS, PT, DPT, PhD, OCS, CEEAA,
Clinical Research Manager, Assistant Professor



CATHY CIOLEK, PT, DPT, GCS, (Ithaca),
Director of Clinical Education, Assistant Professor



ANGELA SMITH, PT, DPT, OCS, SCS, ATC, Physical Thera-
pist, Assistant Professor.



CARRIE FOELLER, PT, DScPT, CEEAA, Associate Director
of the Doctorate in Physical Therapy Program, Assistant
Professor



ERIC STEWART, PT, DPT, Director of Clinical Education,
Assistant Professor



AIRELLE HUNTER-GIORDANO, PT, DPT, SCS, OCS, CSCS
(Delaware), Associate Director of Clinical Services,
Sports and Orthopedics Residency Director, Assistant
Professor.



TEONETTE VELASCO, PT, DPT, OCS,
Research Clinical Coordinator/Clinician



TARA JO MANAL, PT, DPT, OCS, SCS, (Delaware), Direc-
tor of Clinical Services, Physical Therapy Clinics,
Associate Professor



ELLEN WRUBLE HAKIM, PT, DScPT, MS, CWS, FACCWS,
Director, Doctorate in Physical Therapy Program,
Associate Professor

Professional Faculty Awards

Karla Bell Received **The Louis L. Redding Award from University of Delaware 2014**, To Recognize individuals or units at UD whose efforts have promoted, enhanced and implemented diversity programs or activities that have resulted in a significant change in the campus climate and composition within the University community.

Cathy Ciolek Received **The Lucy Blair Service Award from the American Physical Therapy Association**, To acknowledge and honor physical therapist members of the Association whose contributions to the Association as a whole, at both the Association level and the component level, like those of Lucy Blair, have been of exceptional value.

And **The Joe Lucca Service Award from the Delaware Physical Therapy Association**, To recognize sustained and dedicated service to the Delaware Physical Therapy Association

2014 NEW HIRES, PROFESSIONAL/STAFF PROMOTIONS

New Faculty Hires

Department Faculty:

Anjana Bhat, MS PT, PhD, Associate Professor
Michele Lobo, PT, PhD, Assistant Professor
Karin Silbernagel, PT, PhD, ATC, Assistant Professor
Daniel White, PT, ScD, MSc, Assistant Professor
David Tulsy, Professor and Director of the Center on Assessment Research and Translation in the Department of Physical Therapy
James Holdnack, PhD, Research Assistant Professor
Matthew Cohen, PhD, MS, Postdoctoral Researcher

Promotions

Department Faculty:

Greg Hicks, PT, PhD, Associate Professor, Department Chair

New Clinic Hires

UDPT Clinic Physical Therapist Hires:

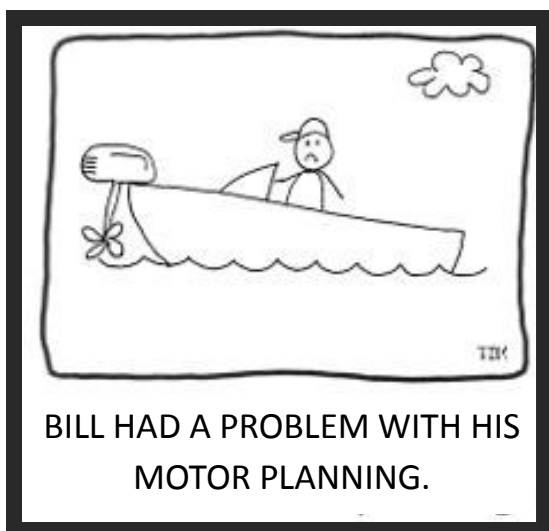
Greg Seymour, PT, DPT, OCS
Leslie O'Neill, PT, DPT, NCS
Sarah Smith, PT, DPT, GCS
Jeff Miller, PT, DPT
Michael Palmer, PT, DPT

PT Clinic Residents:

Will Behrns (ortho)
Kevin Nagel (sports)
Katrina Van Ostrand (sports)
Michael Wellsandt (ortho)

Clinic Staff:

Catherine (Taylor) Cahill, Administrative Assistant
Lori Wojcik, Administrative Assistant



Let's Keep in Touch!

We will continue to include a page in the Newsletter that highlights the Alumni updates we receive throughout the year. To be included: weddings, births, academic achievements, and also deaths. In addition, all alumni information received will be entered online, and organized by graduating year.

We would like to hear from you and share your news with other alumni! Please mail this completed form to: Cyndi Haley, 540 South College Ave, University of Delaware Department of Physical Therapy, Newark, DE 19713, or fax to (302-831-4234). You may also e-mail us your news at: www.udel.edu/PT/alumni/updatenews.html

Photos are encouraged.

FULL NAME: _____

first

middle

(maiden)

last

DEGREE/YEAR: _____ CHECK HERE IF THIS IS A NEW ADDRESS

HOME ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE: _____ EMAIL: _____

HERE'S MY NEWS:



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Department of
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We're on the web! www.udel.edu/PT/alumni/newsletter