



ALUMNI NEWSLETTER

Volume 7,
Spring 2006

Editors: Laura Tabellion, DPT Class of 2006 & Karrie Lowry, DPT Class of 2007

Inside the Newsletter

Message from the Chair	1
Class of 2005 Graduation	2
DPT Student News	3
Featured Alumni	4-5
Additional Alumni Updates	5
UD Integrated Clinical Experiences	6-7
Featured Faculty Awards	8-9
Promotions and New Hires	8
Community Service	9
2005 Honor Roll of Donors	10
Faculty Awards, Degrees, Grants, Publications 2005	11-13



MESSAGE FROM THE CHAIR

Greetings once again, I hope this message finds all of the alumni and friends of the department doing well. Once again, I am pleased to update everyone with some very positive news. Congratulations go to Drs. John Scholz and Cole Galloway on their recently announced promotions. Dr. Scholz now joins Drs. Irene Davis, Lynn Snyder-Mackler and me as Full Professors in the Department and Dr. Galloway was promoted to Associate Professor with tenure. We now have seven tenured faculty members in the Department.

I find this amazing, as we only had two tenured members when I joined the faculty 19 years ago. Actually, when I joined the faculty we only had a total of three full-time faculty members (Drs. Joe Lucca, Paul Mettler, and me) and one professional staff member (Dr. Ken Seaman). Have we grown! We now have 8 full-time tenure-track faculty positions, two full-time research faculty members (Drs. Darcy Reisman and Sam Lee) and 8 full-time professional staff members with secondary academic appointments in the department (2 ACCEs and 6 full-time clinic staff).

Congratulations also need to be extended to Drs. Stacie Larkin, Laura A. Schmitt and Ken Seaman who completed their transitional DPTs during the past year. I hope by this time next year all of our primary and secondary faculty will be doctorally trained.

Congratulations also need to be shared with the many members of the department who have won awards over the past year. Tara Manal, director of our clinic services, was awarded the James A. Gould Excellence in Teaching Orthopedic Physical Therapy Award from the Orthopedic Section of the APTA.

Cathy Ciolek, associate director our Neurological and Older Adult Physical Therapy Clinic, received the Excellence in Clinical Teacher Award and the President's Award from the APTA's Section on Geriatrics.

Dr. Joe Lucca was the first recipient of the Joe Lucca Service Award from the DPTA. The award, named in Dr. Lucca's honor, recognized his years of distinguished service to the field of physical therapy and to the DPTA. Finally, we recently found out that Jill Heathcock, PT and Michele Lobo, PT, who are both students in Dr. Galloway's laboratory, have won the Dorothy Briggs Memorial Scientific Inquiry Award for their article "The Relative Kicking Frequency of Infants Born Full-Term and Preterm During Learning and Short Term and Long-Term Memory Periods of the Mobile Paradigm." The award recognizes student members of the American Physical Therapy Association who have demonstrated the ability to prepare a well conceived, suitably designed, and clearly expressed article published in Physical Therapy.

Another exciting bit of news was the recent announcement that Dr. Snyder-Mackler and I have been awarded named chairs by the University. It has been a long-term goal of the department to raise funds to support at least one named chair in the Department. You can imagine my delight when President Roselle told me that he had secured funding for two named chairs for our Department. Dr. Snyder-Mackler is now the Alumni Distinguished Professor in Physical Therapy and I am the Edward L. Ratledge Professor of Physical Therapy. This is quite an honor and is another sign of the high regard that the University has for our department.

I am also pleased to note the "near" completion of several important construction projects. (Continued Page 4)

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 Mrs. Lynn McDowell (lynnmc@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!

CLASS OF 2005 GRADUATION



Congratulations DPT Class of 2005!

Listed Alphabetically: Tamara Blusk, Yuchin Chang, Kate Christian, Stephanie Ciervo, Aaron Cooke, Nicholas DeBlasio, Brian Diksa, Sharná Gray, Christine Ho, Megan Jones, Kaja Kilburn, Maria Merluzzi, Megan Moeller, Steven Montalvo, Michelle Nardone, Lynn Niedzialek, Megan Nuttall, Kate Pantalino, Jim Porcelli, Lisa Pozzi, Marc Rosner, Travis Ross, Allison Sabo, Kevin Sharp, Lindsey Smart, Kama Smith, Dennis Treubig, Sean Umstead, Michael Voltz, Alissa Wetmore, and Henry Wright.

Message from Class President Kama Smith: "Graduation Day, January 7th, 2006, a memorable, exciting and rewarding day, and the day we all became doctors of our profession of physical therapy. Each one of us walked proudly across one stage to receive our diploma and another to be welcomed as colleagues into the University of Delaware community of physical therapists.

Our family and friends were proud and we were just happy to be getting out into the real world.....well, most of us! Thanks to our professors, teachers, faculty and staff for all the knowledge and guidance and to our families and friends for the love and support! Congratulations Class of 2005!!!"

Guest speaker Mike Voltz welcomed attendees, Dr. Darcy Reisman addressed the class, and Dr. Joe Lucca presented the graduates to the crowd of supportive friends and family. Dr. Stuart Binder-Macleod also presented the following awards during the ceremony:

To the graduating class:

- Faculty Award: to **Steve Montalvo** for exemplary qualities of integrity, cooperation, initiative and leadership in the UDPT program.
- Director's Award: to **Kama Smith** for special contributions to the UDPT program.
- Scholarship Award: to **Marc Rosner** for a high level of scholastic achievement in the UDPT program.

To Alumni:

- Cossoy Award: to **Catherine Flickinger** for extraordinary contributions of time and effort to the UDPT program.
- Catherine Dozer Kohlenstein Clinical Educators Award: to **Adriene Greenfield** for outstanding contributions to the clinical education of UD students.
- Alumni Award: to **Tara Manal** and **Mark Hopkins** who made outstanding contributions to the Physical Therapy Department.

Also the Sports Fellowship Award was presented to **Roshella Claytor** and **Brian Powell** for completion of the Sports Physical Therapy Residency Program.

STUDENT NEWS

What's new with the class of 06? Written by: Marty "Papa Smurf" Fontenot, SPT

Greetings from the DPT II's – no longer the “new kids on the block.” Well, if we thought the first year was fast, the second year has been a complete blur! It's hard to believe that the UDPT class of 2008 will be starting soon and we will soon be entering the “real world!”

To sum up the past academic year...We “survived” Ortho in the summer, it was not so bad looking back now. We ventured out for our Acute affiliations (our first full time affiliation) and everyone came back realizing that “hey, maybe we do know more than we thought we did.” And now we're about to wrap up our last full-time academic semester!

Our class has continued UDPT's tradition of commu-

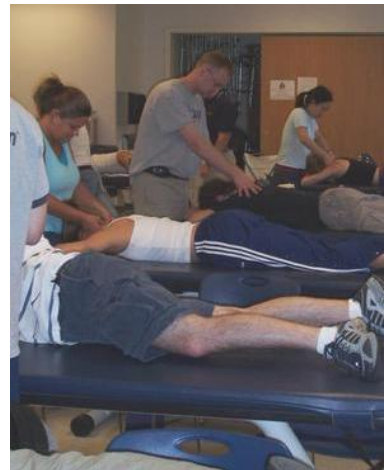
nity service. Of special interest – our class has unofficially adopted Peter Styles, a TBI survivor, as our class “inspiration.” Having been in a MVA a year ago, Peter was a patient in our NOA clinic where a handful of the DPT II's had the opportunity to work with him. In fact, a couple of DPT II students rode along side Peter in Bike to Bay bike ride to provide PT services and encouragement.

Currently, a number of the DPT's are helping Peter train for his next goal...to participate in a sprint triathlon in June and it looks like Peter is well on his way! We're very proud of you, Peter! Our class thinks the world of you...thanks for being an inspiration to us over the past year!!

Yes, our second year is almost over and what an experience it has been! There's no way we could have made it without the guidance of UDPT's wonderful faculty/staff, as well as the helpful “hints” and tutoring from the graduated UDPT class of 2005 (thanks, guys!). We are excited to finish up with class this summer then venture out for our last 2 affiliations. Before your know it, we'll be out in the real world asking our Alumni for jobs!!

Above: From left, DPTII students Sarah Hingston and Marty Fontenot, Peter Styles, and Peter's physiatrist.

Below: DPT II students completing a cervical spine lab during “Ortho Summer”.



What's new with the class of 07? Written by: Valerie Martineau, SPT

Hello, from the Class of 2007! If we could describe our first year in one word, what would it be? Most of the classmates I asked admitted this was a tough question, but most of us agreed that a good answer is “roller-coaster” – we've had ups and downs, quick turns, lightning speeds, and a good dose of fun and surprises along the way.

We started off last summer somewhat timid but excited to be here. We quickly got to know each other's personalities as we worked side-by-side in the anatomy lab. The fall semester presented us with a heavier course load, but also with opportunities out of the classroom. We gave our time

to service opportunities, and also raised money for Hurricane Katrina relief efforts – as a department, we raised \$6,081.

Another event in which we participated was the APTA's “Fly-In,” to lobby in Capitol Hill against the Medicare Cap on Physical Therapy. Although the Cap did go into effect this past January, we had a positive influence on our Delaware Representatives and a great learning experience in the process. Many thanks to everyone involved.

Of course, we have had some good, plain fun, too! We put on an impressive spread for the Halloween Potluck and had great participation in the costume contest, as well. We enjoyed

channeling our creative energies into Faculty Appreciation Week, which included a number of decorations and special treats each day.

There was also a great turnout at the Semiformal. Many thanks go to the DPT II's who were involved in planning this fabulous night! Currently, as we are nearing the end of the spring semester, we will soon be completing our first full-time

affiliations in Acute Care, and, perhaps the most exciting – we will earn the title of DPT II's!

The Class of 2007 would like to thank our professors, the office staff, and the Class of 2006 for all they have done to make our first year here so special! Especially for the alumni out there, we hope to see you at this Fall's Newark Community Day – look for the UDPT Club tent!



FEATURED ALUMNI

Tara J. Manal



Above: Manal receiving the Alumni Award during this year's graduation ceremony.

Below: Manal's poster presentation on 'Interrater Reliability of Instrumental Muscle Testing of the Shoulder' pictured with special visitor, the late Florence Kendall.



Tara Jo (Beckerer) Manal, PT, MPT, OCS, SCS, is the Director of Clinical Services as well as the Director of the Orthopedic Physical Therapy residency Program at the University of Delaware. She has been a teacher, mentor, clinician, and clinical researcher since graduating from UD with an MPT in 1993. Since '93 Tara has taught, been the course coordinator, guest lectured, or been a teaching assistant for all but two classes in the current DPT curriculum. Her favorites to teach have been *Anatomy, Musculoskeletal Evaluation and Treatment, and Spine Management*.

Tara's peers and students remark that she strives to teach using the "best practice" model. Her energy, knowledge, and desire to see her students excel is seen in the classroom through her use of case scenarios to demonstrate the clinical relevance of strategies for both evaluation and intervention.

From her days as a student of the UDPT program Tara has many fond memories. She recalls when class was held in what is now

used primarily as the patient treatment area, and classmates taking turns switching the laundry during class breaks. Another favorite memory of hers is during Halloween when students dressed up as professors, a department tradition she looks forward to every year. Also as a student she reflects fondly on presenting her first research poster at an APTA Annual Conference and having a special visitor, Florence Kendall.

When she applied for PT school here, she recalls her interview where she told Dr. Binder-Macleod that she commended the research he and his colleagues had done, but she had no interest in conducting research and was solely interested in working in a Pediatric Rehab setting. However, following graduation Tara became involved in research involving ACL and patellar contusions under advisor Dr. Lynn Snyder-Mackler and specialized in Sports and Orthopedics rather than Peds.

While working in this research she met her future husband, Kurt Manal who was working under advisor Dr. Irene McClay Davis. As a

new-comer to the lab he was blamed for anything that went wrong, but when they started dating in Aug '93 Tara "found out he was not so bad". In 1995 they married on Main Street in Newark. Tara is currently working toward completing her PhD in Biomechanics and Movement Sciences under advisor Dr. Snyder-Mackler. The focus of her research is on knee effusion and functional muscle performance.

Tara reflects that she never felt the transition from UDPT student to colleague was a difficult one. The department faculty and staff were always available to mentor Tara, they valued her opinions, and helped her open the doors she needed to satisfy her unending thirst for knowledge.

She hopes that her career in the department is one that will last until the day she retires. Tara lives with her husband and their two children in Newark, a town Tara says she would love to live in forever due to its excellent university facilities, family opportunities, and its abundant energy.

Message from the Chair cont

As I mentioned last year, we received a Unidel grant to renovate the previous store-room space in the basement of McKinly Laboratory that is adjacent to our Orthopedic and Sports Clinic. The space is now used to house our growing NOA clinic and additional research space. We are awaiting the delivery and

installation of one major piece of research equipment, and then we anticipate having an Open House sometime in July. In addition, we renovated the motion analysis laboratory on the 3rd floor of McKinly. We will send out notices when a date is set for the Open House, hope you can join us.

I would also like to extend an invitation to have you join us for our 8th annual homecoming celebration. We will have a tent and reception before the UD-Hofstra football game scheduled for Oct. 14. This is a great opportunity for our alumni to meet our current DPT students. Believe me,

they are a great group and worth getting to know. I know that they are anxious to meet you. In fact, at a recent meeting we had they suggested inviting all our alumni to our annual semi-formal social (I am sure all of our alumni can vaguely remember their semiformal). I thought this was a

FEATURED ALUMNI

Mark S. Hopkins



Mark S. Hopkins PT, CPO, MBA graduated from UD's Physical Therapy program in 1990 as the last class who received a bachelors in PT from UD. Past notable jobs and positions for Mark include: working for John's Hopkins Hospital (JHH) since completing his last affiliation there as a UD student. Even though Mark shares the last name of Hopkins with the hospital where he works, he is of no relation to the namesake of the hospital, though he wishes he was!

Mark started at Dankmeyer Inc. in 1992 and has been the Clinical Director there for nine years. Other than clinical endeavors, he has two professional pas-

sions: teaching and international relief work. He currently holds faculty positions at the University of Maryland Medical School and Johns Hopkins University (JHU) Medical School. He has also taught UDPT students the prosthetics portion of their curriculum since the early 90s and orthotics for the last 5 years.

Mark has been the CCCE and CI for a combined specialty affiliation in prosthetics/amputee rehabilitation/orthotics and applied biomechanics with JHH and Dankmeyer for about 10 years. He also teaches some continuing education courses and lectures to supplement the Sinai Hospital PM&R residency program.

In regards to his international work, most recently he was part of a team sent by JHU to Pakistan to perform a post-earthquake SCI and amputee needs assessment. He has also lectured to medical students in Tanzania and has traveled to Ec-

uador and Mexico to carry on his international work.

Mark testifies that he calls on his knowledge daily that he gained while being a student in the UDPT program. "I still see the classroom (which is now the outpatient clinic) and the specific lectures and labs and remember how I learned to become a PT". He also remembers the good times shared with this classmates at the annual department semi-formals! Mark says he is always proud to tell people that he is a UDPT graduate and frequently recommends UD to students interested in physical therapy.

Above: Hopkins receiving the Alumni Award during this year's graduation ceremony.

Below: Hopkins in Africa taking a break during an international relief trip.



Message from the Chair cont

great idea and I look forward to the event.

Finally, as always, I would like to thank the many alumni and friends who have provided financial support to the department over the past year. We have used this money to continue to support the Department's convocation ceremony, stu-

dent travel, this newsletter, and homecoming. I know that this has been a very difficult year for many people in our country and that many of you have contributed to the relief efforts to those in Mississippi and Louisiana. Your continued support of the department in these trying times is doubly

appreciated.

Let me conclude my message by once again sending everyone my warmest regards and letting you know that we would love to see you at homecoming (or any other time) this year. Sincerely, Stuart A. Binder-Macleod, PT, PhD, FAPTA Professor and Chair

Additional Alumni Updates

Congratulations!

The following information was collected from those who responded to our Let's Keep in Touch article from the Spring 2005 Newsletter: We have the following news to share from 2005:



Degrees conferred

Kenneth Taylor, M. D. BS Class of '98: Orthopaedic Surgical subspecialty training

Susan (Pollack) Feldman BS Class of '83: PhD in Pathokinesiology



Newlywed

Melissa (Cohen) Mayer MPT Class of '96: married in May



Babies!

Jim Griesi MPT Class of '98: Birth of second son Mitchell in February

David Key MPT Class of '02: Birth of second son Scott in August

*Please visit our complete listing of alumni updates online at www.udel.edu/PT/alumni/happenings.html

INTEGRATED CLINICAL EXPERIENCES UPDATE

Neurologic Older Adult (NOA) Clinic

Written by Cathy Ciolek



The NOA Clinic continues to grow and expand services for the neurologic involved patient and older adult population in an environment designed specifically for their disabilities.

As one of the three integrated clinical experience for our DPT students, this rotation focuses on Neurologic and Geriatric rehabilitation. During the past year, our growth has allowed us to move all the student experiences in this area in house out of the classroom where we provided treatment before this move.

As well as sponsoring a monthly journal club, the NOA Clinic

also hosts a specialty clinic. Clinicians from the community present a challenging patient and collaborate with their colleagues and UDPT faculty to develop unique treatment strategies. These sessions are also attended by DPT students. This year we also offered a CEU course focusing on new treatment interventions/strategies for Parkinson's in May, and during the fall of 2004 we offered a CEU series to follow up on the Ill Step Conference for neurologic rehabilitation.

It seems like we have been in our new 168 sq ft space for a long time, but we really

only moved downstairs next to the sports and orthopedic clinic in October of 2005. We have added equipment so we can better serve our patients, including an electric high low large mat table and our full working kitchen!

The NOA Clinic is preparing to accept our first resident in Geriatric Physical Therapy in January 2007. Currently there is only one such program in the country. This year-long program will meet APTA residency accreditation requirements, and will prepare participants to sit for their Geriatric Clinical Specialist (GCS) certification upon completion.

Sports and Orthopedic (SO) Clinic

Written by Airelle Hunter

After months of remodeling and years of planning, the SO clinic is now settled into the new set up on the ground level of McKinly Lab. In addition to the new organization, we enjoy having the NOA clinic as our next door neighbor.

As the two sports residents for 2005 left, we welcomed the residents for the year 2006: Sports PT Resi-

dent Kaja Kilburn and Orthopedic Resident Mark Baughman. We continue to be one of the integrated clinical experiences for our DPT students and are happy to announce our collaboration with the University College of Dublin. They will be sending two students to our clinic for a six week affiliation in sports and orthopedics during the summer of 2006.

New clinical studies taking place in the clinic include assessing the benefit of Hyalgan injections in the knee and using dynamic MRI imaging on rotator cuff

tears and ACL tears in patients classified as non-copers.

The SO Clinic continues to staff a weekly Injury Clinic for club athletes and performing arts students. It also sponsors monthly Journal Club meetings. We are proud to provide these and all other services the clinic provides for the Newark community. For further information about the SO clinic please view our webpage at: <http://www.udel.edu/PT/PT%20Clinical%20Services/sportsandorthopedic-clinic.html>.

Top Picture: NOA's new home.

Bottom Pictures: Panoramic view of the newly remodeled Sports and Ortho Clinic.

INTEGRATED CLINICAL EXPERIENCES UPDATE

Pediatric Clinic Written by Megan Schaefer

The Pediatric Rehabilitation Clinic has continued to grow over the last year. As many of you know, we are housed within the Early Learning Center (ELC), which is a fully inclusive child care center on the campus of the University. We currently have a full-time occupational therapist, Patty Campbell, MS, OTR/L and speech language pathologist, Patrice Bader, MA, CCC-SLP, who serves children who attend the ELC as well as local home-based clients through the state's Birth to Three program. We are also very fortunate to have a part-time school year speech language pathologist, Dawn Romanczak, MA, CCC-SLP to help meet the extra needs of the preschool and Kindergarten

classes at the ELC two mornings a week.

Dr. Galloway continues to teach PHYT 811 Pediatrics at the ELC, which has allowed DPT students the unique ability to observe and work directly with young children as part of the daily didactic lectures. The DPT students have the opportunity to work with early childhood educators, as well as observe PT, OT and Speech/Language sessions that may be taking place in the classrooms. This year, 17 of the DPT students will be able to complete their pediatric integrated experience at the ELC, which is double the number of students who could participate last year. We are also very excited to

have 2 students participating in full-time pediatric clinical affiliations here during their last year of study.

Again this year our staff were asked to be part of the ELC's Annual Child Care In-service Day, where we provided certified training hours on inclusion for children with special needs to more than 60 early childhood teachers, teaching assistants and child care administrators from the New Castle County community. We were also very excited to be able to work with the NOA Clinic to provide an evening continuing education series as a follow up to the III Step Conference "Linking Movement to Science".



Multiple Sclerosis Assessment Clinic Written by Meg Conklin

The University of Delaware MS Assessment Clinic continues to provide free, multi-disciplinary evaluations to persons battling Multiple Sclerosis. After performing a complete neurological and musculoskeletal evaluation, second-year Physical Therapy students provide each participant with an individualized home program.

Local professionals from other health disciplines including Occupational Health, Nutrition, Gait, Counseling, and a representative for Durable Medical Equipment generously volunteer their time to the clinic. These professionals provide an initial assessment and then

make a referral if further evaluation appears necessary.

This year, Yoga was introduced for the participants and was taught by a second-year DPT student. The yoga session focused primarily on breathing and relaxation techniques to combat the fatigue commonly associated with MS, but also included the sustained positions for strength and flexibility to maximize the overall health benefits.

The MS Assessment Clinic has been very interested in various research projects involving individuals with MS. Within The University of Delaware, there is currently research being conducted

exploring gait changes associated with MS, a nutrition study examining the effects of creatine in persons with MS, and a hand study.

The MS Assessment Clinic is not only beneficial for the participants, but also provides the DPT students a hands-on experience to gain confidence when working with this specific patient population. Those involved in the clinic will be better equipped to treat a patient with MS in his/her future practice. Many DPT students have also expressed interest in taking a more proactive role with the MS population down the road. The MS Assessment Clinic is in its seventh year and con-

tinues to grow bigger and better each year. This coming fall the MS Assessment Clinic achieves yet another unique threshold and will be offered as an elective doctoral course in our curriculum.



Second year DPT student Jonina Turzi teaching the benefits of yoga to an MS Assessment Clinic participant.

DEPARTMENT NEWS

Physical Therapy Faculty National and State Awards



Above: From left, Cathy Ciolek, Joe Lucca, Tara Manal

Tara Jo Manal, PT, MPT, OCS, SCS, Director of UD's Physical Therapy Clinic received the James A. Gould Excellence in Teaching Orthopedic Physical Therapy Award, this February, at the Combined Sections Meeting (CSM) of the APTA in San Diego. This award was presented to Tara by the Orthopedic Section of the APTA and its stated purpose is "...to recognize and support excellence in instructing Orthopedic Physical Therapy principles and techniques through the acknowledgment of an individual with exemplary teaching skills". Dr. Stuart Binder-Macleod was quoted as saying of Ms. Manal "...we have known for years that Tara Jo has been an excellent instructor...now the entire Orthopedic Section of the APTA knows as well."

Cathy Ciolek, PT, GCS, Associate Director of UD's Neurologic and Older Adult

Physical Therapy Clinic, was honored by the Geriatric Section of the APTA with two awards this February during CSM as well. Cathy was presented with the Excellence in Clinical Teaching Award and the President's Award. The purpose of the excellence in Clinical Teaching Award is "...to recognize a physical therapist for outstanding work as a clinical educator in the geriatric health care setting".

The President's Award is given in recognition of the "meritorious achievements in both the field of geriatric physical therapy and within The Geriatric Section of the APTA". Cathy is also President of the Delaware Physical Therapy Association and is Board Certified in Geriatric Physical Therapy.

Joe Lucca, PT, PhD, GCS, Associate Professor, Department of Physical Therapy, was honored by

the Delaware Physical Therapy Association by being awarded the first Joe Lucca Service Award. The award named in Joe's honor was developed to recognize years of distinguished service to the field of physical therapy and to the Delaware Physical Therapy Association. Joe has served the chapter as President, Vice-President, Treasurer, Chief Delegate and Delegate, in addition to chairing the nominating committee.

Joe was instrumental in working with the legislative committee to establish direct access to physical therapy services in Delaware and in limited ownership of physical therapy clinics to physical therapists. Joe's consistent and extensive service to the profession and the chapter led to a unanimous decision to name this first service award in his honor.

Congratulations!!



We welcomed the following individuals in 2005:

Patricia Campbell- Occupational Therapist (Pediatric Clinic)

Airelle Hunter - Associate Director of Sports (Sports & Ortho Clinic)

Donna Moore- Senior Secretary, Chair's Office

UDPT Promotions and New Hires

Brian Powell - Sports Resident (Sports & Ortho Clinic)

Steven Tepper- Clinical Professor

Congratulations to those receiving promotions in 2005:

Cole Galloway- Associate Professor with tenure

Samuel Lee- Research Assistant Professor

Darcy Reisman- Research Assistant Professor

John Scholz- Full Professor

DEPARTMENT NEWS

2006 Community Service

Over the past year both DPT classes have continued UDPT's tradition of community service, and were involved in a number of community service opportunities. The DPT students continued to participate in the MS Society's Bike to the Bay, Newark Community Day, and the Breast Cancer Walk/Race. Our students also made donations to the Thanksgiving canned-food drive, Holiday toys for tots drive, and were able to raise \$6100, along with the donations from UDPT's faculty and staff, for the victims of Hurricane Katrina. Additionally, the DPT students have continued to

work in the MS Assessment Clinics as well as volunteering for the DE Stroke Initiative's Stroke Screenings.

Some of our DPT students have worked together and on their own to assist numerous members of the community with their activities of daily living. Our students have also taken an active role in assisting neurologically impaired individuals train for different athletic events, including Bike to the Bay and an upcoming Triathlon. Other service opportunities that our students have participated in include Freedom Hills' Therapeutic Ridings, Newark Charter School Scoliosis

Screening, and both the Cystic Fibrosis Foundation and the MS Society's Golf Tournaments. The DPT students were also active in UD's field hockey and lacrosse games as ticket sellers and spotters, and they were also involved with the PT Department's open houses and interviews for the incoming DPT class. We look forward to continuing and expanding our service to the community during the upcoming year!



Above: DPT students at Freedom Hills' Therapeutic Ridings.

Below: DPT I and II students volunteer for the DE Stroke Initiative's Stroke Screenings.



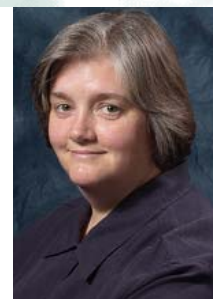
UDPT Professor Named to Committee

Katherine Rudolph, PT, PhD has been named to the Scientific Review Committee (SRC) of the Foundation for Physical Therapy. The Foundation for Physical Therapy is a national, independent, nonprofit corporation which supports the physical therapy profession's needs in scientific research, clinical research, and health services research. The mission of the

Foundation is to fund research that supports physical therapy practice and to enhance the quality of physical therapy services for patients and clients. Moreover, it helps to increase the number of physical therapy researchers and secure a donor base to support the Foundation's efforts.

Dr. Rudolph started her term as a member of the

committee on January 1, 2006, and will serve a three year term. The SRC reviews applications to the Foundation for Physical Therapy for the McMillan, PODS I and II scholarships as well as postdoctoral fellowships under the New Investigator Fellowship Training Initiative (NIFTI), and research grants.



Calendar of Events	
APTA National Conference	June 21-24, 2006 Orlando FL
Homecoming Tailgate	October 14, 2006
DPT Class of 2006 Graduation	January 6, 2007



2005 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 2005 calendar year.

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 the Physical Therapy Department at pt-admissions@udel.edu or call 302-831-8521.



David C. Blanke
Leon & Theresa Adams
Mr. & Mrs. Warren Aldred
Randee B. Allen
American Therapy
Margaret Ayres
Kevin R. Bailey
Todd H. Ballinger
Charles B. Barker
Jennifer Miller Barley
George L. Barrett
Richard & Louise Baylis
Pamela Butler Beeman
Joan Mary Betz
Josephine Betz
Joshua R. Billings
Stuart Binder-Macleod
Earl & Bettie Birk
Jonathan L. Borger
BPGS Construction LLC
Glenn P. Brown
Earl & Elizabeth Budd
Carmen D. Campanelli
Joanne & Eugene Canale
Charlotte Cannon
Miriam H. Carney
R.R.M. Carpenter III
Nancy Carr
Brian R. Catania
Susan C. Cecere
Elbert Chance
B. Chandler
Scott F. Clabaugh
Melissa R. Cole
Robert J. Cole

Maxine Colm
Annamaria Concannon
John & Barbara Crenny
David E. Cunningham
Patrick & Valentine
Cusanelli
John & Ethel Dantine
Donald Davis
Narciso A. Deborja
Robert & Karen Defriest
Laura K. DeDuca
Bruce & Barbara Dittmar
Scott E. Drury
Pierre Dupont Hayward
Cecil & Judie Eakins
Martha E. Eastlack
Amy P. Enriken
Martin A. Fees
Virginia Frontuto Fisher
Katharine M. Ganovsky
Muriel Gilman
Lisa M. Godt
Donald & June Goerke
James & Catherine
Groschan
Grace Gunnip Trust
Dr. J. Ronald Halenda
Monica Hanna
Karen D. Hanson
Robert & Michelle
Centrella Harra III
Robert & Linda Harra Jr.
Richard & Amy Harra
William & Barbara Harra
William F. Hartnett
Dean A. Hess
Sally Higgins
Cathy O. Holland
George James
Craig L. Joachimowski
Johnson & Johnson
Family of Cos.

Denes Kassai
Thomas J. Kaynak
Diane M. Keighley
Julie Minton Knolmayer
Julie A. & William H.
Knowles
Kathleen P. Kosior
Lynn E. Kozimbo
Leon & Dorothy LaChance
Ronald Lankford
Stacie L. Larkin
Herbert Levenbach
Miriam E. Loughry
Douglas N. Lucas
Joseph A. Lucca
Scott A. Mackler
Sallie Macy
Tara J. Manal
Mark D. Olson & Company
Brian P. Matson
Albert & Miriam McCauley
Dorothy McCrery
William R. Miller Jr.
Ray and Marge Minix
Sandra K. Mishic
John & Dorothy Munroe
Lawrence & Evelyn
Nicholson
Tommy & Sarah Norris
Carol L. Owens
Christine A. Paris
Pauline Marshall Res. &
Educational Fund
Emily Pfeiffer
Gordon & Suzanne
Pfeiffer
Holly & Ryan
Pommerening
Richard & Charlotte
Poppitt
Michelle Good Prettyman
Frederick Pusey



Stephanie L. Rehm
Jennifer A. Rogofsky
William A. Romani
Mark S. Rosman
Anita Ruane
Kenneth W. Seaman
Amrita Singh
Janet Nelson Smith
Mary Grace Stanis
Barbara Goodwyn Stanley
Sally A. Sunday
Sundew Painting
Susan Greczmiel Sutton
William & Barbara Swayze
Samuel & Louise Talucci
Melissa Bruns Taylor
Robert & Phyllis Thomas
Jennifer A. Tidd
Rebecca S. Tinsman
James P. Todd
Davis & Carol Truax
Christine E. Turner
Paul & Anne Twining
Howard & Ellen Viden
Donald Webster
William G. Weiler
John & Aubree Wellons
Orville Wetmore
Karin White
Helleke Whitney
James Winder
Wayne W. Woodzell

*"All generosity toward
the future lies in giving to
the present". ~Albert
Camus*

FACULTY: AWARDS & DEGREES CONFERRED AS WELL AS GRANTS & PUBLICATIONS IN 2005



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

Awards: Chair, Israeli Council for Higher Education, Quality Assurance Review Team for programs in Physical Therapy.

Named Professor by University of Delaware: Edward L. Ratledge Professor of Physical Therapy

Publications: Ding J, Lee SCK, Johnston TE, Wexler AS, Scott WB, Binder Macleod SA. A mathematical model that predicts isometric muscle forces for individuals with spinal cord injuries. *Muscle and Nerve*, 31:702-12.

Binder-Macleod SA, Kesar T. Catchlike Property of Skeletal Muscle - Recent Findings and Clinical Implications. *Muscle and Nerve*, 31:681-93.

Stackhouse SK, Binder-Macleod SA, Lee SCK. Voluntary Muscle Activation, Contractile, and Fatigue Properties in Children With and Without Cerebral Palsy. *Muscle and Nerve*, 31:594-600.

Scott WB, Lee SCK, Johnston TE, Binder-Macleod SA. Switching Stimulation Patterns Improves Performance of Paralyzed Human Quadriceps Muscle. *Muscle and Nerve* 31(5):581-588.

Chou LW, Ding J, Wexler AS Binder-Macleod SA. Optimal Electrical Stimulation for Repetitive Human Muscle Activation. *Journal of Electromyography and Kinesiology*. 15:300-309.



CATHY CIOLEK, PT, GCS, (Ithaca), Associate Director Neurologic and Older Adult Clinic.

Awards: Section on Geriatrics, American Physical Therapy Association - Excellence in Clinical Teaching Award

President's Award in recognition of contributions to geriatric physical therapy and the Section on Geriatrics.



IRENE DAVIS, PT, PhD, FACSM, (Penn State), Professor: Biomechanical analysis of running injuries, relationships between lower extremity structure, mechanics and injury.

Grants: Principle Investigator Army Research Office Grant: The Use of an Instrumented Treadmill to Alter Locomotor Patterns.

Publications: Davis IS. How to Succeed in Graduate School. In *ACSM Fellows Offer Advice*, Indianapolis, IN, 48-62.

Davis IS. Evaluation of the Injured Runner. In *Touch, Journal of the Organization of Chartered Physiotherapists in Private Practice* Winter (113):4-9.

Davis IS. Gait Retraining in Runners. *Orthopedic Physical Therapy Practice* 17(2):8-13.

Buchanan K, McClay Davis, I. The Relationship between Forefoot Alignment and Rearfoot and Midfoot Compensation. *J. Orth. Sports PT* 35(9):559-566.

Denton J, Willson J, Ballantyne B, McClay Davis, I. Effect of the Protonics brace system in patients with patellofemoral pain syndrome. *Journal of Orthopedic and Sports Physical Therapy* 35(4):210-219.

Willson J, Dougherty C, Ireland ML, McClay Davis I. Core Stability: Relationship to lower extremity function and injury. *Journal of the American Academy of Orthopedic Surgeons* 13:316-326

Ferber R, McClay Davis, I. The effect of orthotics on lower extremity joint coupling. *Journal of Biomechanics* 38:477-483.



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.

Publications: Heathcock J, Bhat A, Lobo M, Galloway JC. The relative kicking frequency of infants born full-term and preterm during learning and short-term and long-term memory periods of the mobile paradigm. *Physical Therapy*.

Interested in making a donation for the 2006 year?

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. Thank you!

Awards, Degrees, Grants & Publications continued

85: 8-18.

Koshland GF, Galloway JC, Farley B. Novel muscle patterns for normal kinematics of arm reaching in persons after cervical spinal cord injury. *Experimental Brain Research*. 164: 133-147.

Bhat A, Heathcock J, Galloway JC. Toy-oriented changes in hand and joint kinematics during early infancy: A cross-sectional study. *Infant Behavior and Development*. 28: 445-465.

Galloway JC. In Memoriam: Esther Thelen. *Developmental Psychobiology*. 47: 103-107.



NOEL GOODSTADT, PT, MPT, OCS, CSCS, (Hahnemann University), Associate Director Orthopedics, Orthopedic Clinical Residency Coordinator, Sports and Orthopedic Clinic.



AIRELLE HUNTER, PT, MPT, SCS, CSCS (Delaware), Associate Director Sports, Sports Clinical Residency Coordinator, Sports and Orthopedic Clinic.

Degree Conferred: Sports Specialist Certification from the APTA.

Publication: Wilk K, Reinhold M, Andrews J, Hunter A. Book Chapter: The Athlete's Shoulder, *Rehabilitation Principles*, Ch 58: Injuries and Rehabilitation of the female shoulder.



STACIE LARKIN, PT, DPT, MEd, (Boston University), Academic Coordinator of Clinical Education.

Degree Conferred: Transitional DPT from the APTA.



JOSEPH LUCCA, PT, PhD, GCS, (Delaware), Associate Professor: Health care delivery systems for the elderly.

Award: Joe Lucca Service Award from the DPTA.



TARA JO MANAL, PT, MPT, OCS, SCS, (Delaware), Director of Clinical Services, Physical Therapy Clinics.

Awards: James A. Gould Excellence in Teaching Orthopedic Physical Therapy Award from the Orthopedic Section of the APTA.

Publications: Gamboa J, Haggins M, Manal T. An Analysis to Define the Clinical Practice of Physical Therapy for Performing Artists. *J of Dance Medicine (JDMS)*, Volume 9, No 2, 41-55.

Manal T, Claytor R. The Delitto Classification Scheme and the Management of Lumbar-Spine Dysfunction. *Human Kinetics Athletic Therapy Today* 10(5), 6-12.

Manal TJ, Sturgill L. Chapters: Rehabilitation of the Adolescent with Anterior Knee Pain, Patellofemoral Joint Revisited, Implications for the 21st Century. *Sports Section APTA*.

Manal TJ, Sturgill L. Chapters: Rehabilitation of the Adolescent with Anterior Knee Pain, Patellofemoral Joint Revisited, Implications for the 21st Century. *Sports Section APTA*.



PAUL METTLER, PT, EdD, (Northeastern), Associate Professor: Higher education administration.



DARCY REISMAN, PT, PhD, (Delaware), Assistant Professor, Academic Director of Neurologic and Older Adult Clinic: Understanding the mechanisms of movement dysfunction following stroke, as well as how and why different treatments improve this dysfunction.

Grant: Principle Investigator NIH Grant: "Locomotor adaptations following stroke"

Publications: Reisman DS, Scholz JP. Workspace location influences joint coordination during reaching in post-stroke hemiparesis. *Experimental Brain Research*, 170:265-276.

Resiman DS, Block, HJ, Bastian AJ. Inter-limb coordination during locomotion: what can be adapted and stored? *J Neurophysiology*, 94: 2403-2415.



KATHERINE RUDOLPH, PT, PhD, (Delaware), Assistant Professor: EMG to characterize movement strategies in people with orthopedic and neurologic conditions and the development of therapeutic equipment.

Publications: Dong S, Lu, K-Q, Sun J-Q, Rudolph K. A prototype rehabilitation device with variable resistance and joint motion control. *Med Eng Phys*. Aug 17.

Lewek MD, Scholz JP, Rudolph KS, Snyder-Mackler L. Laxity and Cocontraction Influence Variability in Patients with Knee Osteoarthritis. *Gait Posture*. Jul 14.

Lewek MD, Ramsey D, Snyder-Mackler L Rudolph KS. Knee stabilization in patients with medial compartment knee osteoarthritis. *Arthritis Rheum*. Sep;52(9):2845-53.

Chmielewski TL, Hurd W, Rudolph KS, Axe MJ, Snyder-Mackler. Perturbation Training Decreases Knee Stiffness and Muscle Co-contraction in the ACL Injured Knee. *Phys Ther*. 85(8):740-54.

Dong S, Lu K-Q, Sun JQ, Rudolph KS. Rehabilitation Device with Variable Resistance and Intelligent Control. *Medical Engineering & Physics*;27:249-255.



MEGAN SCHAEFER, PT, DPT, (Temple), Associate Director Pediatric Rehabilitation Clinic.

Degree Conferred: Pediatric Specialist Certification from the APTA.



LAURA A. SCHMITT, PT, DPT, OCS, SCS, ATC, (Temple), Physical Therapist, CCCE, Clinical Education Liaison, Sports and Orthopedic Clinic.

Degree Conferred: Transitional DPT from the APTA.

Awards, Degrees, Grants & Publications continued



JOHN SCHOLZ, PT, PhD, (Connecticut), Professor: Study of basic processes of motor coordination and control, including movement dysfunction in patients with problems affecting the central nervous system.

Publications: Reisman DS, Scholz JP. Workspace location influences joint coordination during reaching in post-stroke hemiparesis. *Experimental Brain Research*, 170:265-276.

Tseng Y-W, Scholz JP. Unilateral vs. Bilateral Coordination of Circle-Drawing Tasks. *Acta Psychologica*, 120: 172-198.

Latash ML, Krishnamoorthy V, Scholz JP, Zatsiorsky VM. Postural Synergies and Their Development. *Neural Plasticity*. 12(2-3):119-30.

Krishnamoorthy V, Yang J-F, Scholz JP. Joint coordination during quiet stance: Effects of vision. *Experimental Brain Research*, 164: 1-17.

Yang J-F, Scholz JP. Learning a throwing task is associated with differential changes in the use of motor abundance. *Experimental Brain Research*, 163: 137-158.

Tseng Y-W, Scholz JP. The effect of workspace on the use of motor abundance. *Motor Control*, 9: 75-100.

Grants: Co-Investigator NIH Grant: "Organization of a simple synergy"; Subcontract with Mark Latash, PhD, Department of Kinesiology, Penn State University.



KENNETH SEAMAN, PT, DPT, MA, (Delaware), Academic Coordinator of Clinical Education, Director MS Assessment Clinic, Director Service Learning

Degree Conferred: Transitional DPT from the APTA.



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

Award: Named a regular member of NIH Musculoskeletal and Rehabilitation Sciences (MRS) Study Section.

Named Professor by University of Delaware: Alumni Distinguished Professor in Physical Therapy.

Grant: Principle Investigator NIH Grant: "Can Neuromuscular Training Alter Movement Patterns?"

Publications: Chmielewski TL, Ramsey DK, Snyder-Mackler L. Evidence for differential control of tibial position in perturbed unilateral stance after acute ACL rupture. *J Orthop Res*. Jan;23(1):54-60.

Chmielewski TL, Hurd WJ, Snyder-Mackler L. Elucidation of a potentially destabilizing control strategy in ACL deficient non-copers. *J Electromyogr Kinesiol*. Feb;15(1):83-92.

Roi GS, Creta D, Nanni G, Marcacci M, Zaffagnini S, Snyder-Mackler L. Return to official Italian First Division soccer games within 90 days after anterior cruciate ligament reconstruction: a case report. *J Orthop Sports Phys Ther*. Feb;35(2):52-61; discussion 61-6.

Williams GN, Buchanan TS, Barrance PJ, Axe MJ, Snyder-Mackler L. Quadriceps weakness, atrophy, and activation failure in predicted noncopers after anterior cruciate ligament injury. *Am J Sports Med*. Mar;33(3):402-7.

Williams GN, Snyder-Mackler L, Barrance PJ, Axe MJ, Buchanan TS. Neuromuscular function after anterior cruciate ligament reconstruction with autologous semitendinosus-gracilis graft. *J Electromyogr Kinesiol*. Apr;15(2):170-80.

Williams GN, Snyder-Mackler L, Barrance PJ, Buchanan TS. Quadriceps femoris muscle morphology and function after ACL injury: a differential response in copers versus non-copers. ***ASB Young Scientist Award Paper*** *J Biomech*. Apr;38(4):685-93.

Mizner RL, Petterson SC, Stevens JE, Vandenberg K, Snyder-Mackler L. Early quadriceps strength loss after total knee arthroplasty. The contributions of muscle atrophy and failure of voluntary muscle activation. *J Bone Joint Surg Am*. May;87(5):1047-53.

Mizner RL, Petterson SC, Snyder-Mackler L. Quadriceps strength and the time course of functional recovery after total knee arthroplasty. *Orthop Sports Phys Ther*. Jul;35(7):424-36.

Lewek MD, Scholz J, Rudolph KS, Snyder-Mackler L. Stride-to-stride variability of knee motion in patients with knee osteoarthritis. *Gait Posture*. Jul 14.

Mizner RL, Petterson SC, Stevens JE, Axe MJ, Snyder-Mackler L. Preoperative quadriceps strength predicts functional ability one year after total knee arthroplasty. *J Rheumatol*. Aug;32(8):1533-9.

Chmielewski TL, Hurd WJ, Rudolph KS, Axe MJ, Snyder-Mackler L. Perturbation training improves knee kinematics and reduces muscle co-contraction after complete unilateral anterior cruciate ligament rupture. *Phys Ther*. Aug;85(8):740-9; discussion 750-4.

Lewek MD, Ramsey DK, Snyder-Mackler L, Rudolph KS. Knee stabilization in patients with medial compartment knee osteoarthritis. *Arthritis Rheum*. Sep;52(9):2845-53.

Mizner RL, Snyder-Mackler L. Altered loading during walking and sit-to-stand is affected by quadriceps weakness after total knee arthroplasty. *J Orthop Res*. Sep;23(5):1083-90.

Farquhar SJ, Chmielewski TL, Snyder-Mackler L. Accuracy of predicting maximal quadriceps force from submaximal effort contractions after anterior cruciate ligament injury. *Muscle Nerve*. Oct;32(4):500-5.



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'd like to hear from you and share your news with other alumni! Please mail this completed form to: Cyndi Haley, 301 McKinly Lab, University of Delaware, Physical Therapy Department, Newark, DE 19716, or fax to (302-831-4234). You may also e-mail us your news at: www.udel.edu/PT/alumni/updatenews.html

Photos are welcome.

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:



UNIVERSITY OF
DELAWARE DEPARTMENT
OF PHYSICAL THERAPY

301MCKINLY LAB

NEWARK, DE 19716

Phone: 302-831-8910

Fax: 302-831-4234

We're on the web!

[www.udel.edu/PT/
alumni/newsletter](http://www.udel.edu/PT/alumni/newsletter)