



# Duke in touch

Connecting Duke Physical Therapy alumni, students, faculty, clinicians, and friends | **Summer 2017**



Message from the  
**Division Chief**

## **Multiplying our impact, locally and globally**

An anniversary is a perfect time to take stock, and as we prepare to celebrate Duke Physical Therapy's 75th, we are thinking deeply and strategically about where our program has come from, where we are now, and where we want to go.

What future will we create for Duke DPT? Certainly, one that focuses on addressing community needs and demands, that deepens our understanding of the global burdens of disease and the role that physical therapy can and should be playing. At Duke DPT we will begin to focus our engagement efforts on a handful of areas where our faculty and students can serve both the Durham and global communities in constructive, high-impact ways.

To effectively serve these communities, our student body – and the PT profession as a whole – must accurately reflect those populations. Increasing diversity is therefore one of Duke DPT's foremost strategic priorities. In June, we hosted a weeklong Summer Discovery Program that brought 20 diverse undergraduate students

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From Our  
**Program Director's Desk**

## **Innovative new curriculum addresses changing needs of our profession**

In early 2016, Duke DPT embarked on an ambitious plan to revise our educational curriculum. Our profession is changing markedly, and today's physical therapy professionals need not only superior biomedical training, but also a higher level of interpersonal skills than ever before.

After a comprehensive knowledge-gathering and development process, we now have a novel, innovative curriculum that has been vetted and approved by our faculty and administration. The new curriculum, which reflects Duke DPT's longstanding commitment to team-based learning and interprofessional training, will be implemented in Fall 2019 to coincide with the opening of our new building.

We'll share details in future issues, but here are some key features:

- The program has been shortened to 27 months, to get our clinicians out practicing faster.
- The second year will be hallmarked by advanced practice courses, to allow students to target a specialization early.

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**CSM** | 10



**Alumni** | 14



**Students** | 18

# Save the date!

## September 14-16, 2018



## Celebrating 75 Years of Physical Therapy Excellence at Duke

A weekend of special events to celebrate the past, present, and future of Duke's leadership in physical therapy education, clinical practice, and research. The celebration culminates in a 75th Anniversary Gala on Saturday night at the Washington Duke Inn.

**Mark your calendar now – details to come!**

*We will also host celebrations at APTA's 2018 Educational Leadership Conference and the 2019 Combined Sections Meeting.*



 Duke Doctor of Physical Therapy

## Newsworthy

Congratulations to **Drs. Adam Goode '05, Erik Carvalho '11, Marissa Araujo Carvalho '12, Dan Dore, Janet Bettger, and Lynn Bowlby**. Their proposal, "Integration of musculoskeletal physical therapy care in the patient centered medical home," has been selected for \$134,000 in federal funding from the Duke Clinical and Translational Sciences Institute, which is the academic home of the National Institutes of Health's Clinical and Translational Science Awards funding program.



Clockwise from top left: Adam Goode, Erik Carvalho, Marissa Araujo Carvalho and Dan Dore





APTA President **Dr. Sharon Dunn** presented the 24th annual Branch Lecture, “Aim High,” to the graduating Duke DPT Class of 2017 on May 11. After the lecture, it was all presidents on stage, as Dr. Dunn (center, in red shirt) was joined by (left to right): past president of the Canadian Physiotherapy Association **Dr. Michel Landry**, past presidents of APTA and former directors of the Duke Physical Therapy Program **Dr. Bob Bartlett** and **Dr. Jan Richardson**, current NCPTA President **Dr. Kyle Covington '04**, and past president of NCPTA **Dr. Dan Dore**.



Visiting scholar **Dr. Yannick Tousignant-Laflamme** gave his final presentation to Duke DPT faculty, students, and staff, as well as his

family, on May 17. Dr. Tousignant-Laflamme came to Duke in August 2016 from University of Sherbrooke, Québec, Canada. He spent ten months of his sabbatical leave here developing a comprehensive, strategic pain management algorithm for patients with chronic low back pain, which led to the development of a Pain and Disability Drivers Model. His work has been exceptionally well received externally and is the basis of a recent Canadian Institutes of Health Research grant.

Faculty member **Dr. Steven George** and alumni **Gerard Brennan '75** and **Elizabeth Mostrom '78** have been selected as Catherine Worthingham Fellows of the American Physical Therapy Association.



The **Duke Doctor of Physical Therapy Division** received an Award of Merit for participation in the VCU-Marquette Challenge, an annual grassroots fundraising effort coordinated and carried out by PT and physical therapist assistant students across the country to support new investigators in the field of physical therapy research. The challenge is the Foundation for Physical Therapy’s signature annual fundraising initiative, raising more funds each year than any other Foundation activity.



## Faculty Updates

Since October 2016, the DPT chief,



**Dr. Michel D. Landry**, has been working on a quality care agenda with the World Health Organization and the Emergency Medical Team to

**establish a set of technical guidelines for rehabilitation in disasters** in order to save *life* after saving *lives*. These guidelines will allow medical and rehabilitation teams who are deployed to disaster areas to respond with fewer variations and have a greater positive impact on the population. Dr. Landry has also been selected as a co-convenor in the Duke Healthy Campus Initiative.

**Dr. Chad Cook**, Duke DPT program director, has had a busy spring. He was the keynote speaker for the Mississippi State Physical Therapy Association meeting in March, and the Rusk



Rehabilitation Low Back Pain Conference in New York City and the Oslo Sports Trauma Research Center Annual Conference in Norway in May. He was also selected as an advisory board member for the Doctor of Physical Therapy Program at Baylor University.

**Dr. Kyle Covington '04** will be the lead presenter at the Association of Medical Education in Europe's international conference in Helsinki, Finland this August to report results on



Advancing Medical Education Globally (Duke AiME): A leadership-initiated project to examine one university's medical education processes in order to enhance medical education capacity globally. He is also a listed co-author on another presentation accepted for AMEE 2017 on assessing student attitudes of interprofessional learning experiences. In June, the NCPTA president represented North Carolina at APTA's 2017 House of Delegates in Boston, where he participated in the component leadership and presidents' meetings. Here at Duke, Dr. Covington has been named to the inaugural class of Fellow Members of Duke AHEAD, which recognizes health professions educators who, although still early in their careers, are already demonstrating the potential for major and ongoing contributions to health professions education at Duke.

In May, **Dr. Laura Case**, a member of the North American Board of Advisors for the Pompe Registry, attended the annual board meeting in Chicago, as well as the Global



Hypophosphatasia (HPP) Advisory Board Meeting in Barcelona, Spain. HPP is a rare, genetically based metabolic bone disease that disrupts bone mineralization, across a continuum of perinatal, infantile, juvenile, and adult onset. Dr. Case has participated in studies of enzyme replacement therapy in HPP here at Duke since 2009. ERT with asfotase alfa or Strensiq™ was approved for the treatment of HPP in 2015, with studies reporting increased survival, increased ventilator-free survival, and improved motor status.

**Dr. Derek Clewley** has been awarded a Cardon Grant from the American Academy of Orthopaedic Manual Physical Therapists. He was also elected to serve on the AAOMPT board as a member-at-large. Dr. Clewley recently accepted an invitation to author an article in *Physical Therapy's Pain Special Edition*.



In February, **Dr. Carol Casper**



**Figuers '81**

received a grant from the Duke School of Nursing's Women's Health Nurse Practitioner Program to provide interpro-

fessional laboratory sessions with nursing, physician assistant and physical therapy students to demonstrate examination and intervention options for pelvic floor dysfunction and musculoskeletal conditions of pregnancy and postpartum. Dr. Figuers, who was recognized with the Jan K. Richardson Excellence in Teaching Award at DPT graduation, is serving on the search committee for the new associate dean for interprofessional education in the Duke School of Medicine.



**Dr. Steve George** has received



APTA's Jules M. Rothstein Golden Pen Award for Scientific Writing in recognition of superior writing skills and a continuing record of scholarly

contributions and collaborations to the benefit of physical therapy.

**Dr. Jeff Hoder** was invited to



participate on a **panel of experts to develop gold standard exercise recommendations for people with Parkinson disease**, a project sponsored by the

American Parkinson Disease Association. The panel convened at Boston University in June.

**Dr. Amy Pastva** was one of the



collaborators on the **lead article** in the March 2017 issue of the *Journal of American College of Cardiology: Heart Failure*. The article

reports on REHAB-HF (Rehabilitation Therapy in Older Acute Heart Failure Patients), a collaborative project among investigators from Duke, Thomas Jefferson, and Wake Forest Universities. The Duke site is being led by Dr. Pastva, Robert J. Mentz, MD and Paul B. Rosenberg, MD. Dr. Pastva also presented this spring at the American Thoracic Society International Conference in Washington, DC on observation of physical activity patterns in patients intubated for at least 48 hours in intensive care, and led educational sessions on clinical reasoning for physical rehabilitation in critical care at the APTA NEXT Conference in Boston.



**Dr. Mike Reiman** has been selected as the international keynote speaker at the Australian Sports Physiotherapy Conference in Sydney, Australia in October 2017.



**Dr. Elizabeth Ross** has been named to the inaugural class of Distinguished Members of Duke AHEAD, an honor that recognizes educators who have a proven track record of scholarship in the field of health professions education and have demonstrated commitment and service to Duke AHEAD and excellence in education within Duke Health. Dr. Ross also attended the International Conference on Communication in Healthcare in Baltimore.



**Dr. Tim Sell** and the **K-Lab** were recently awarded a grant through the MedBlue program for “Validation of an instrumented assessment of knee stability for injury



prevention.” MedBlue identifies promising ideas, discoveries, and technologies with commercial potential at Duke University Medical Center and assists in making them a reality. The **grant** will help Dr. Sell and the K-Lab develop an operating dynamic joint stability assessment prototype, proprietary signal processing, and a software application that can be deployed in clinics and remote locations to prevent primary ACL and reinjury following ACL reconstruction. Dr. Sell, who has been recognized as a Fellow of the America College of Sports Medicine, also was selected to participate in the Professional Mentoring Skills Enhancing Diversity (PROMISED) program, which helps participants expand their career coaching, leadership, and mentoring skills to help more effectively mentor scientists from underrepresented groups.

**Dr. Len White** has been selected as Duke University School of Medicine’s nominee for the 2017 Alpha Omega Alpha Robert J. Glaser Distinguished Teacher Award. Along with Dr.



Ross (at left), he has been named to the inaugural class of Distinguished Members of Duke AHEAD in recognition of excellence in health professions education at Duke. In May, Dr. White presented an invited seminar at the West Virginia University School of Medicine on blending MOOC-based and team-based learning in medical education. He is a co-author on three abstracts submitted to the annual meeting of the Radiological Society of North America, and the textbook that he co-edits and co-authors, *Neuroscience, 5th Ed.*, is now available in Croatian in addition to English, French, Italian, Portuguese, Spanish, and Korean.

## New Faculty

Welcome our newest DPT faculty members!

**Dr. Lindsay Ballengee '11**, a proud



Duke DPT alumna, has returned to join us as Duke DPT's newest faculty development resident. Dr. Ballengee has a passion for

learning about chronic pain and has spent the last few years practicing in the area of self-care management for veterans with chronic pain. At the Atlanta VA Medical Center, she practiced in a unique outpatient group setting as part of a multidisciplinary team that included physical therapy, psychology, and social work. Dr. Ballengee used therapeutic neuroscience education, neuromuscular reeducation, motivational interviewing, and mindfulness-based interventions to support veterans in moving toward their value-driven goals to help them lead a fuller life.

She, her husband Chris, and their two-year-old son are excited to be back in Durham for this two-year faculty development residency.

**Dr. V. Kai Kennedy** is Duke DPT's new Director of Community and Global Outreach. Dr. Kennedy has a keen interest in developing innovative curricular strategies that



help students develop necessary skills to provide universal access to care. With a focus on community-based initiatives, she aims to provide unique learning opportunities in the areas of community and global health, program development, and interprofessional practice. She has developed an interprofessional peer learning program at Wesleyan University of Haiti, and is currently working with colleagues to develop Sierra Leone's first physical therapy education program.

A graduate of Virginia Commonwealth University's DPT program, Dr. Kennedy spent a decade in private practice and as a clinical educator before becoming founding director of clinical education in the DPT program at Mary Baldwin University. There, she developed innovative interprofessional coursework, including a team-based community health practicum and partnerships with dozens of agencies working to eradicate health disparities in the

Shenandoah Valley and Appalachia. She also developed a global health elective to bring skills and concepts of rehabilitation to resource-deprived communities abroad. Dr. Kennedy is excited to incorporate Duke's global health and interprofessional visions into the Duke DPT curriculum.

In July, **Dr. Katie Myers** joined



Duke DPT as our new Director of Clinical Education. Dr. Myers, who earned her DPT degree at the University of South Alabama,

comes to us from the PT program at the University of Colorado Anschutz Medical Campus, where she was Assistant Director of Clinical Education. Dr. Myers has published and presented extensively on the integrated clinical education experience and academic-clinical partnerships in education. We are thrilled to have her aboard, especially as we prepare to launch our innovative new educational curriculum.

## Recent Duke DPT Publications

Here is a sampling of publications authored by our faculty and alumni in 2017



Click each hyperlinked citation below to view the abstract.

**Examining fundamental movement competency and closed-chain upper-extremity dynamic balance in swimmers.** *Journal of Strength & Conditioning Research*. **Bullock GS**, Brookreson N, Knab AM, Butler RJ. 2017; 31(6):1544-1551.

**On-ice return-to-hockey progression after anterior cruciate ligament reconstruction.** *Journal of Orthopaedic and Sports Physical Therapy*. Capin JJ, Behrns W, Thatcher K, **Arundale A**, Smith AH, Snyder-Mackler L. 2017 May; 47(5):324-333.

**Predatory Journals: The worst thing in publishing, ever.** *Journal of Orthopaedic and Sports Physical Therapy*. **Cook C**. 2017; 47(1):1-2.

**Post-operative opioid pain management patterns for patients who receive hip surgery.** *Substance Abuse Treatment, Prevention, and Policy*. **Cook CE**, Rhon DI, Lewis BD, **George SZ**. 2017; 12(1):14.

**Diagnosis of Paget-Schroetter syndrome/primary effort thrombosis in a recreational weight lifter.** *Physical Therapy*. **DeLisa LC**, Hensley CP, Jackson S. 2017; 97:13-19.

**The influence of pre-professional curricula on components of the Physical Therapist Clinical Performance Instrument.** *The Internet Journal of Allied Health Sciences and Practice*. Goldwasser M, **Covington K**. 2017; 15(2), Article 4.

**Shoulder joint and muscle characteristics among weight training participants with and without impingement.** *Journal of Strength & Conditioning Research*. Kolber MJ, Hanney WJ, Cheatham SW, **Salamh PA**, Masaracchio M, Xinliang L. 2017; 4:1024-1032.

**Complaints of upper extremity numbness and tingling relieved with dry needling of teres minor and infraspinatus: A case report.** *Journal of Orthopaedic and Sports Physical Therapy*. Lane E, **Clewley D**, Koppenhaver S. 2017; 47(4):287-292.

**Nonsurgical management of midsubstance Achilles tendinopathy.** *Clinics in Podiatric Medicine & Surgery*. McClinton S, Luedke L, **Clewley D**. 2017; 34(2):137-160.

**Promoting older adult physical activity throughout care transitions using an interprofessional approach.** *The Journal for Nurse Practitioners*. Miller JM, Sabol VK, **Pastva AM**. 2017; 13(1):64-71.



**Message from the Division Chief**  
*continued from page 1*

from around the country to Duke to learn about the PT profession and graduate education. (We'll share more on the inaugural program in our next newsletter.) Nearly 200 students applied for those 20 spots – an indication of the need for this sort of program – so we are considering how to multiply our efforts to meet this demand.

Focusing on the things we do best, doing them deeply and well, and finding creative ways to sustain those efforts: That's the future of Duke DPT, and of a profession that must be prepared to play an increasing role in addressing global health concerns.



**Michel D. Landry, BScPT, PhD**  
*Professor & Chief*  
*Doctor of Physical Therapy Program*

**Message from the Program Director**  
*continued from page 1*

- Our longstanding Movement Matters program will be enhanced to provide greater opportunities for interaction among our students, faculty, and the community we serve.
- We have restructured many of the courses we presently teach to reduce redundancy, improve efficiency, and allow competency-based education.

APTA's House of Delegates has charged academic programs with developing new curricula to meet the future needs of our profession. While APTA's vision spans 30 to 40 years, Duke DPT has achieved this in just TWO years. This is a terrific example of Duke's leadership in our field, and testament to our commitment to ensure that our students are well-prepared for success and leadership in the evolving health care environment.

Onward,



**Chad Cook, PT, PhD, MBA, FAAOMPT**  
*Professor & Program Director*  
*Doctor of Physical Therapy Program*



**Rehabilitation therapy in older acute heart failure patients (REHAD-AF) trial: Design and rationale.**

*American Heart Journal*. Reeves GR, Whellan DJ, Duncan P, O'Conner CM, **Pastva AM**, Eggebeen JD, Hewston LA, Morgan TM, Reed SD, Rejeski WJ. 2017; 185:130-139.

**A novel rehabilitation intervention for older patients with acute decompensated heart failure: The REHAB-HF pilot study.**

*JACC: Heart Failure*. Reeves GR, Whellan DJ, O'Conner CM, Duncan P, Eggebeen JD, Morgan TM, Hewston LA, **Pastva AM**, Patel MJ, Kitzman D. 2017; 5(5):359-366.

**Patient-defined desired outcome, success criteria, and expectation in outpatient physical therapy: A longitudinal assessment.** *Health and Quality of Life Outcomes*. Zeppieri G, **George SZ**. 2017; 15(1):29.

# CSM 2017

**APTA Combined Sections Meeting** February 2017, San Antonio

As always, Duke DPT's presence was strong at the country's largest gathering of physical therapy professionals!



■ **Dr. Chad Cook** was selected by the APTA Education Committee for the honor of delivering the 2017 Pauline Cerasoli Lecture. His lecture, "The Sunk Cost Fallacy," drew a full house.

■ **Dr. Corey Simon's** outstanding platform abstract, "Women with fibromyalgia demonstrate reduced pain inhibition capacity compared to pain-free controls," was acknowledged with a



Section on Women's Health Research Award.

■ **Amy Arundale '11** received the New Horizon Award from the Sports Physical Therapy Section.



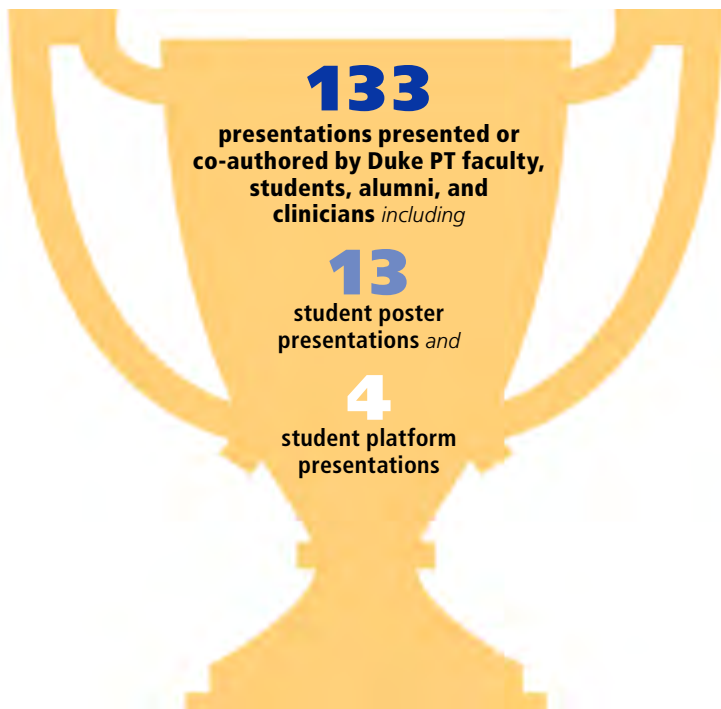
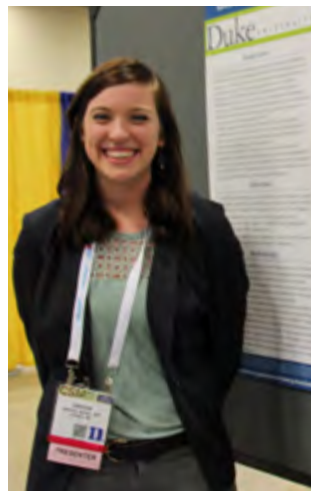
■ **Spencer Cole '15** won a poster award from the Orthopaedics Section for "Does the presence of radiating pain in a cohort of care-seeking patients with back pain outcomes?"

■ Second-year **Jazzy Seider** received a ribbon from the APTA Section on Health Policy & Administration for her work in the area of social responsibility. She presented her research with Duke Bass Connections on assessing genetic capacity to improve pediatric care transitions in low-income countries.



■ Third-years **Brett Koermer, Lindsay Southam, Lisa Delmedico, Sarah Foley, Kelly Hambrick Peterson, and Lauren Johnston** received the APTA CSM Cardiovascular & Pulmonary Section Student Research Award for their research on critically ill patients at risk for sedentary and relatively solitary existences. Special congratulations to presenters Brett and Lindsay, who were mentored by **Dr. Amy Pastva**, for their top-notch professional performance.

See page 18 for more CSM student presentations.





# Excellence

## ACROSS THE Board(s)

These alumni and Duke clinicians were recognized as board certified clinical specialists:

### Orthopaedic

Chrissy Becks '14  
 Dave Beltramo '14  
 Beth Buzzell '14  
 Andrea Carmin '07  
 Pat Chasse  
 Lucy DeLisa '14  
 John Fleck '12  
 Jeannie Graf  
 Elise Harris '14  
 Bryan Hoch '13  
 Kari Hocking Katerberg '11  
 Megan Mann '12  
 Cody Masnfield '14  
 Morven Ross  
 Will Tank '11  
 John Waggoner '13  
 Matt Zanis '14

### Geriatric

Brian Allsopp '11  
 Katherine Callanan '89  
 Laura Schwark  
 Laura Yastishak '13

### Neurologic

Katie Deaton '14  
 Allison Goekerman  
 Dana Lott

### Pediatric

Victoria Lamb Smith '07  
 Hannah Welch

### Sports

Emily Bolthouse '14  
 Ciara Burgi '14  
 Zach Christopherson  
 Hannah Smith DePaul '13  
 Katelyn Howenstine '13  
 Kristin Huppi '08  
 Kiersten Langel '08  
 Bobby Jean Sanders Lee '14

### Women's Health

Erin Midkiff Ball '03  
 Alex Hill

would like to extend a huge thank you to the Duke DPT Alumni Association, Duke DPT faculty and staff, and my Duke DPT Class of 2016 classmates for recognizing me as the recipient of the **2016 Helen Kaiser Alumni Scholarship**.

To say that I value the Duke DPT community like a family would be an understatement. The support and doors that have been opened to me as a Duke Blue Devil continue to this day. Early on as a Duke DPT student, I recognized the value that was placed on professional involvement, and the importance of advocating for our profession. In my time at Duke, I attended Capitol Hill Advocacy Day in Washington, DC, and was able to interact with policy leaders in our field to gain a more intimate understanding of our profession.

As a new clinician, my desire to stay involved in our professional organization continues. This year, the Helen Kaiser Alumni Scholarship allowed me to return to APTA's CSM Conference in San Antonio, Texas. I had attended CSM the year prior as a student, but as a practicing clinician and sports physical therapy resident, I now had context for the dialogue in which I was engaging. As a member of the Sports Physical Therapy Section, I recognize the value of ideas exchanged between clinicians. Not only does this directly impact the patients and athletes I treat, but it also promotes efficient growth and autonomy within our profession as we raise our standard of care. Most notably, I attended an event with leaders in the sports physical therapy field, and was able to interact with multiple sports certified specialists, both in clinical and academic roles, to discuss the responsibility of sports physical therapists in community outreach and injury screens – a passion and interest of mine. The knowledge and perspective gained from conversations like this are truly unmatched, and I am beyond grateful for the opportunity to continue to engage in APTA as I continue in this profession.

So, for all you Duke DPT students: Figure out what gets you excited (and do not worry if it takes you a bit!); involve yourself in the Duke DPT community, your local and state DPT communities, and of course the national APTA community; engage in discussions; challenge yourself; and of course, recognize the tools that Duke DPT and Duke Alumni Association provide, right at your fingertips. Now go for it!

Thank you Duke for every single experience I have been afforded. I can safely say that without these opportunities I would not be standing where I am today.

Forever Duke,  
**Kaitlyn Schlueter '16**



## Reflections on CSM 2017

by **Kaitlyn Schlueter '16**,  
 recipient of the 2016 Helen Kaiser  
 Duke Physical Therapy  
 Alumni Association Award







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# CSM



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# Reception

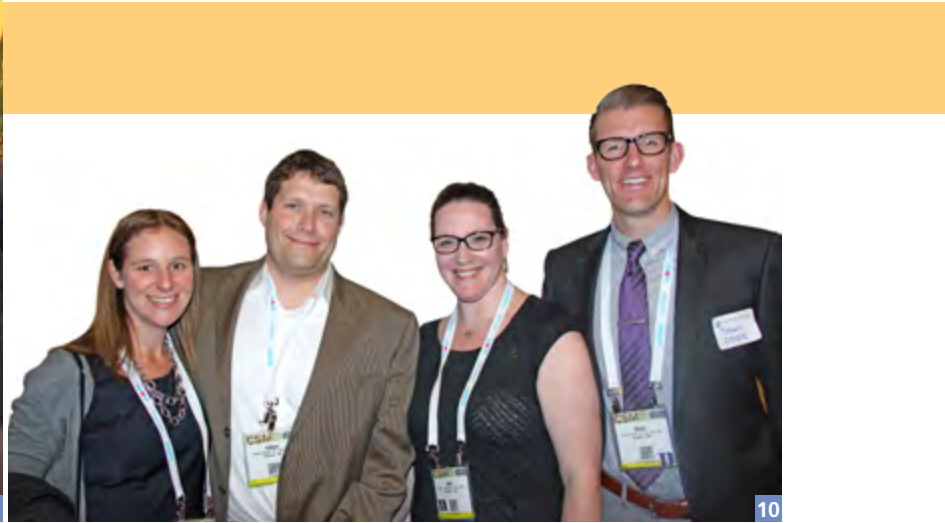


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- 1 Class of 2000, 2001
- 2 Class of 2014
- 3 Class of 2010
- 4 Class of 2011
- 5 Class of 2017
- 6 Class of 2007
- 7 Class of 2003
- 8 Class of 2012
- 9 Class of 1994
- 10 Class of 2005
- 11 Class of 2015
- 12 Class of 2006
- 13 Class of 2016
- 14 Class of 2008
- 15 Class of 2018
- 16 Class of 2013

Message from  
**Timothy D. Faw '09,**  
**Alumni Association President**

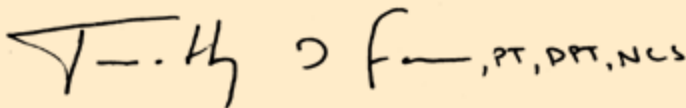
**G**reetings, fellow Blue Devils, and congratulations to our newest alumni, the **Duke DPT Class of 2017!** On behalf of the Duke PT Alumni Association, I would like to welcome you to the association and the profession. The Duke PT alumni network is expansive, with leaders in all aspects of physical therapy. We hope you won't hesitate to get involved and take full advantage of the many opportunities offered through the Alumni Association. I know I can speak for everyone in saying that we are all excited to see the leaders you become!

As the newest Duke DPT Alumni Association President, I want to take a moment to thank **Jennifer Moody Skeesick '06**, who has done an excellent job leading the association for the past several years. I would also like to welcome **Allison Mumbleau '09** and **Laura Henderson Boose '15** as the newest Duke PT Alumni Association officers. We are honored and privileged to have the opportunity to serve our fellow alumni.

As you may know, the Physical Therapy Program at Duke University will be celebrating its 75th anniversary in 2018. This celebration will be one for the books, as planning has already begun for several tremendous events. The first celebration will take place at Duke in September 2018, and will be followed by special events at APTA's 2018 Educational Leadership Conference and the 2019 Combined Sections Meeting in Washington, DC. Stay tuned for more details, but we hope that you will mark your calendars to attend at least one of these sure-to-be-memorable events!

Thank you all for everything you do to make Duke DPT the best in the country. Have a great summer, and GO DUKE!

Forever Duke,



**Timothy Faw '09**  
*Duke Physical Therapy Alumni Association President*



We are putting together a historical commemorative book in anticipation of our 75th Anniversary Gala on September 15, 2018 (more details to follow). To help us ensure the book is as accurate and inclusive as possible, **we invite you to tell us about any historically important memories, people, etc. you may remember from the program.** While we cannot guarantee that every submission will appear in the book, we appreciate your time and help!





## Thank you to this year's **ALUMNI DONORS!**

### Gifts received July 1, 2016 – June 30, 2017

Merle Adkins '67  
Timothy Ainslie '86  
Robert Bahr '75  
Lisa Banco '89  
Jocelyn Blaskey '77  
David Brown '83  
Donna Mason Burnside '89  
Rosie Canizares '07  
Marcella Chancey '61  
Daniel Chelette '15  
Miriam Pollard Cohen '02  
Allison Marek Conta '00  
Joseph Crowder '99  
Tawnie Kei Crowe '11  
Jeanne Cushman '84  
Leslie Daigle '68  
Myra Marische Dey '67  
Doris J. Duclos '54  
Elizabeth Eife-Johnson '75  
Martha L. Ellsworth '70  
Luray Lindgren Eshelman '70  
Brianna Erwin '07  
Margaret Rose Faust '75

Sarah Femrite '91  
Hannah Cheek Gillispie '12  
Angela Spontelli Gisselman '11  
Gabrielle Gordon '08  
Mary Hasiak '63  
Kaylane Kroemer Hernandez '14  
Sandra Reimers Herzog '67  
Sharon Noack Jewell '62  
Christine Olthten Jones '83  
Becca Jordre '02  
Anita Kari '11  
Caroline Schroeder King '13  
David Kirkwood '68  
Stuart Lowenthal '64  
Rebecca Grace Lucas '81  
Andrea Martin '11  
Michael Masjak '81  
Wren McLaughlin '10  
Lisa Bollheimer Minn '98  
Susan Bergstrom Mullins '97  
Allison Mumbleau '09  
Doris Chalmers Nichols '66  
William J. O'Brien '69

Tyler Patrick '13  
Michael Petty '91  
Mildred Cerise Petty '81  
Elizabeth Richardson '11  
Jennifer Riven '03  
Beth Rohrer '00  
Sharon Geer Russo '84  
Antonia Tartaglia Schantz '60  
Lorraine Shelton-Gaines '78  
Melissa Joy Simon '89  
Margaret S. Smith '50  
Susan Mote Smith '84  
Carol Patton Tift '73  
Herman Triezenberg '75  
Neetu Shah Trivedi '03  
Donald Walter '77  
Leigh Welsh '14  
Lauren Gonzalez Williams '12  
Sue Wolfson-Whitney '59  
Ross Vines '84  
Diana Zembrzuski '68

It's not too late to join these generous folks as donors to Duke DPT. Annual support helps ensure continued excellence in teaching, evidence-based clinical practice, and innovative research, and helps Duke prepare the next generation of leaders in physical therapy. [Click here](#) to make your gift today.

# Alumni Awards

At the Duke PT Alumni Association Meeting and Reception during this year's CSM in San Antonio, we recognized two distinguished program graduates.

## Know a Duke PT alum deserving of a 2018 award?

The Duke Physical Therapy Alumni Association seeks nominations for the 2018 awards, which will be presented in New Orleans during our Duke Physical Therapy Alumni & Friends Reception at CSM in February 2018. For more details and to nominate a classmate, [click here](#).



## Distinguished Alumni Award Daniel Vreeman '03

The first physical therapist in the country to complete postdoctoral training in informatics, Dan Vreeman led the scientific development of a medical vocabulary standard, Logical Observation Identifiers Names and Codes. LOINC allows for the exchange and aggregation of results across clinics, hospitals, and public health systems using universal codes that effectively manage cost and deliver innovate care around the world – a major contribution to global health care.

Dan has been principal investigator on nearly \$20 million in external grants, and has published 30 papers, a book, and two book chapters, including the first review article of physical therapists' use of electronic health records – work he started as a Duke DPT student. He is the inaugural recipient of an endowed chair at the Indiana University School of Medicine, specifically created for his sustained and notable work to develop effective ways for electronic clinical systems to share and aggregate data. He has served the PT profession at the chapter (Indiana delegate), section (two-term president of the Technology SIG, Section on Health Policy & Administration), and national levels (advisor to APTA on health information technology, national outcomes database, and the PTNow project). It's no wonder that the *Indianapolis Business Journal* named him to their Forty Under 40 list for his professional and community achievements.

Letters of support for Dan came from former classmates and colleagues near and far.

*“Dr. Vreeman is exceptionally well deserving of this award. Throughout his career, his research and scholarship have expanded and refined the scientific basis of informatics, not only for physical therapy practice but for health care across all disciplines. The Duke DPT Program should be very proud of his accomplishments and the way he has represented the program and the physical therapy profession to a global community.”*

**Clem McDonald, MD**  
Director, Lister Hill National Center  
for Biomedical Communications  
U.S. National Library of Medicine







## Emerging Leader Alumni Award Paul Salamh '07

While his PT career is still relatively young, Paul Salamh has already racked up a considerable resume and recognition for leadership among his professional peers. Paul, who served as president of his Duke DPT Class

of 2007, became Duke DPT's first faculty resident in our DPT Faculty Development Residency, as well as member of the inaugural Duke AHEAD certificate program for health professions educators. While at Duke, he had a tremendous influence on the DPT students he taught and, since completing the program in December and joining the faculty at the University of Indianapolis, will undoubtedly have a similar influence on PT students there.

Although early in his career, Paul has already published 24 peer-reviewed articles and reviewed manuscripts for nearly a dozen international medical journals. He serves on the editorial board for the *Journal of Clinical Trials in Orthopedic Disorders* and won the 2013 Outstanding Research Manuscript Award from APTA's Sports Section. Known for his humanity and kindness, he has been cited with the 2011 President's Volunteer Service Award. He also served on the USA medical staff for 2015 World University Games.

Said two Duke DPT students who nominated Paul for this award: "Our only hesitation in writing a letter of support on Dr. Salamh's behalf for this award is that we do not view him as an emerging leader. In our eyes, he has already emerged."

*"I see Paul as a colleague, an emerging leader in our profession, and as a beacon of excellence as a physical therapist. The thing that is most compelling to me about Paul Salamh is his continued ability to push for excellence. There are only a handful of PTs I know who have his grit and who are willing to sacrifice to be better."*

**Dr. Chad Cook**  
Duke DPT Program Director



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Laura Ertel



# CSM Student Presentations

Students who presented in San Antonio are in **bold**

## Platform Presentations

**The cost-effectiveness and functional impact of post-acute care location on hip fracture patient outcomes: A systematic review**

**AUTHORS:** Rachel Cesario, Jamie Grainger, Liz Charney  
**FACULTY MENTOR:** Dr. Adam Goode '05

**Critically ill patients at-risk for sedentary and relatively solitary existences**

**AUTHORS:** Brett Koermer, Lisa Delmedico, **Lindsay Southam**, Sarah Foley, Kelly Hambrock, Lauren Johnston  
**FACULTY MENTOR:** Dr. Amy Pastva

**The relationship between upper-quarter rotation mobility, dynamic stability, and pitch velocity**

**AUTHOR:** Garrett Bullock

**Comprehensive primary care models for the management of multiple chronic conditions in older adults**

**AUTHORS:** Taylor Chapman, Rachael Zdeb, Karla Martin  
**FACULTY MENTOR:** Dr. Adam Goode



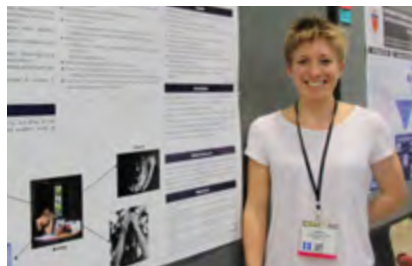
## Poster Presentations

**The effects of training load on injury rates in an athletic population: A systematic review**

**AUTHORS:** Ashton Wedemeyer, Dak Adamson, Kristen Crenshaw, Anthony Evans  
**FACULTY MENTORS:** Dr. Derek Clewley, Dr. Rob Butler

**The prevalence and effect of burnout on graduate health care students**

**AUTHORS:** Garrett Bullock, Lynnea Kraft, Kate Amsden, Whitney Gore, Bobby Prengle, Jeffrey Wimsatt  
**FACULTY MENTORS:** Dr. Kyle Covington '04, Dr. Adam Goode '05



**Clinical outcome measures for pusher behavior after stroke: A systematic review of the literature**

**AUTHORS:** Ryan Koter, **Sara Regan**, Caitlin Clark, Vicki Huang, Melissa Mosley, Erin Wyant  
**FACULTY MENTORS:** Dr. Chad Cook, Dr. Jeff Hoder



**Effect of short-term, intensive rehabilitation on motor impairment and function for stroke survivors in rural Jamaica**

**AUTHORS:** Hannah Josephson, Thomas Joyce, Melissa Mosley, Maredith Russo  
**FACULTY MENTOR:** Dr. Jody Feld

**Efficacy of mechanical chair treatment for benign paroxysmal positional vertigo: A systematic review**

**AUTHORS:** Frank Vickory, Justin Losciale, Ryan Herr, Megan McCallum, Cassie Swafford  
**FACULTY MENTOR:** Dr. Rick Clendaniel

**Difference in vestibular measures following blast versus blunt trauma in the military: A systematic review**

**AUTHORS:** Maggie Selzer, Alex Reiley, Hannah Jasurda, **Chelsea Lineberger**, Lexi Meister, Amber Penna  
**FACULTY MENTOR:** Dr. Rick Clendaniel

**Return to overhead sports following ulnar collateral ligament injury: A systematic review**

**AUTHORS:** **Taylor Stern**, Jeremy McCullough, Avi Bagley, Derek Poulson, Aaron Rygiel, Evan Vasilauskas  
**FACULTY MENTOR:** Dr. Mike Reiman

**Value of within-session and between-session findings for long term outcomes for patients receiving manual therapy**

**AUTHORS:** Caroline Ubben, Ashlee Kim, Adam Dalbo, Mackenzie Eldridge  
**FACULTY MENTOR:** Dr. Chad Cook

**Kerlan-Jobe Orthopaedic Clinic Shoulder and Elbow Scores (KJOC) differ between college baseball pitchers who have had prior injury and those who have not**

**AUTHOR:** Garrett Bullock

**The effects of body weight supported treadmill training on gait speed and walking capacity in adult spinal cord injury: An umbrella review**

**AUTHORS:** Breanne Mitcham, Mariel Hammond, Ashley Maxwell, Kirstin McCoy, Amy Schepers, Purvi Vyas

**Global Alliance on Disability and Healthcare Innovation, Children and Adolescents: Assessing capacity to improve pediatric care transitions in low-income countries**

**AUTHORS:** Jazzy Seider

**Interventions for gait training in children with spinal cord impairments: A scoping review**

**AUTHORS:** Sarah Funderburg, Hannah Josephson, Ashlee Price, Meredith Russo  
**FACULTY MENTOR:** Dr. Laura Case

**Long-term quality of life outcomes following rotationplasty in the pediatric population**

**AUTHORS:** Rachel Shepherd, Melissa Gunner, Maddy Haller, Cayla Lowe, Maddy Nagy, Ibby Roscoe  
**FACULTY MENTOR:** Dr. Laura Case



# Congratulations to the Class of 2017!

Congratulations to the 73 newest graduates of the Duke Doctor of Physical Therapy program, who received their degrees on May 14th!



Duke Doctor of Physical Therapy Diversity Award:  
Dr. Mariel Hammond



Student Recognition Award:  
Dr. Thomas Hammett

Helen Kaiser Scholarship Awards:

Dr. Sarah Funderburg, Dr. Whitney Gore, Dr. Melissa Gunner, Dr. Thomas Joyce, Dr. Ryan Koter, Dr. Amber Penna, Dr. Derek Poulson, Dr. Ashlee Price, Dr. Sara Regan, Dr. Alexander Reiley

Jan K. Richardson Excellence in Teaching Award (voted on by the graduating class):  
Dr. Carol Casper Figuers '81



## New Durham Stroke Camp



In December, **13 students from the Class of 2018** and a group of clinical volunteers assisted **Dr. Jody Feld** and **Dr. Marcus Roll '11** with running a week-long “Durham Stroke Camp.” This new program provided an intensive week of rehabilitation services for seven stroke survivors from our local community who have had limited access to rehabilitation services. Congratulations to everyone involved on the program’s success in bringing together a team of health professions students, clinicians, stroke survivors, and their families with the goal of maximizing functional recovery and community reintegration.

## First House of DUKElegates

Duke DPT’s first Mock House of Delegates, aka “House of DUKElegates,” was held on March 29, as part of the PT 713 Professional Development II course. Thirteen teams from the **Class of 2018** each drafted a motion to present at the house and debate on Twitter (#dudpthod). The teams were guided by experienced clinicians, including DPT

faculty, past APTA and NCPTA presidents, and current and former delegates from North Carolina. The team presenting the motion “Physical Therapists as Providers of Telehealth” fittingly received help from our telehealth expert alums who joined via WebEx, and NCPTA President **Dr. Kyle Covington '04** moderated the session as “Speaker of the House.”



**Taylor Chapman '17** raised \$1,000 for the Global Women’s Health Initiative, an organization formed by thought leaders in the world of physical therapy and message media to cause systemic change in women’s health. Taylor organized a **fundraising event in Chicago** to raise money for GWHI and improve awareness about global women’s health PT.



# Way to go, Students!



## At Annual Duke DPT 5K, charity always wins – but this time,



## Wiest wins TWICE!

The 12th annual Duke DPT 5K on May 7 raised over \$1,500 for Easterseals United Cerebral Palsy Foundation of North Carolina. We had our first-ever two-time winner, as **Colin Wiest '18** backed up his 2016 first place finish with a second victory! Fifty-six runners and walkers, 17 wonderful volunteers, and numerous friends, family members, and adorable dogs were in attendance and able to enjoy massages (not the dogs), lawn games, music, and healthy food and refreshments. Thank you to sponsors Fleet Feet Sports Carrboro-Durham, Duke University Stores, Bikram Yoga Durham, Duke Wellness, ActiveEdge, Duke University Graduate and Professional Student Council, RoadID, Ragnar Relays, and Bruegger's Bagels. Congratulations to Colin and everyone who participated in this wonderful fundraising tradition!

## PT Olympics

The 4th annual PT Olympics, held on May 20, raised \$830 for Bridge II Sports and yielded memories that will last a lifetime. Thank you to our sponsors: Duke University Stores, Wavelengths, Bull City Crossfit Durham, Panera Bread, George's Java, Crossfit Durham, Locopops, Pure Barre, and The Duck Shop. The Class of 2019 team Pain Train (**Grace Candler-Miller, Emily Duncan, Lexie Reinbolt, Sarah McDonnell, Sam Enegbose, and Jenny Trahan**) won Best Dressed. This year's event was won by the Class of 2018 team SCHMLK: **Matt DeLang, Mo Ghanem, Katherine Fischer, Hannah Colopy, Mike Sola, and Logan Gudde**. The victory will undoubtedly look great on their resumes!



## DPT students gain unique patient care experience through **Duke's Interprofessional Education Clinic**

### Clinic reaches milestone in patient care

Contributed by Dr. Jeff Hoder, Associate Professor, Duke DPT Program

Earlier this year, the **Duke Interprofessional Education (IPE) Clinic** treated its 1,000th patient! The Duke IPE Clinic is an interprofessional opportunity for Duke DPT students to work side by side with students and faculty from medicine, nursing, and the physician assistant program to provide direct patient care. The IPE Clinic was launched in 2015 as an evening extension of the Duke University Hospital Emergency Department to provide services to patients who present with less

severe or less acute symptoms, many of whom come with primary musculoskeletal issues. Students work together to examine the patient, review and discuss findings, and collaborate to determine a management plan.

The clinic has become an opportunity for DPT students to practice medical screening and differential diagnostic skills under the direct supervision of faculty. Regardless of where students are in their DPT learning experience here at Duke, the clinic allows them

to practice at the highest level of their ability. First-year students practice history-taking and basic examination skills; second-year students practice advanced examination skills and clinical decision-making. All students receive feedback from other health care students and peer DPT students, as well as from faculty within medicine and DPT. In this way, the students from various disciplines truly work together and learn from each other, taking IPE out of the classroom and into professional practice.

The IPE Leadership Team includes faculty from each medical program:

- Alison Clay, MD, assistant professor of surgery and medicine
- Michelle Hartman, DNP, RN, NP, assistant professor of nursing
- Jeff Hoder, PT, DPT, NCS, associate professor, Physical Therapy Program
- Nicholas Hudak, PA-C, MPA, assistant professor, Physician Assistant Program
- Erin Leiman, MD, assistant professor of surgery
- B. Iris Padilla, PhD, MSN, APRN, FNP-BC, assistant professor of nursing
- Jason Theiling, MD, assistant professor of surgery

On a personal note, working with these faculty leaders across the university and the students in the IPE Clinic has been one of my most rewarding experiences as an educator!





## My experience in the IPE Clinic

By Amanda Beaty '18

It has been a privilege to attend the IPE Clinic four times this year. Each visit has been an incredible opportunity to think quickly, work collaboratively, and gain understanding of issues affecting health care delivery. Here are a few reasons I chose to participate:

■ **To work in a setting that defines direct access, primary care.** By the very nature of emergency medicine, you have no referring diagnosis, and sometimes very little information in the medical record prior to seeing the patient. In the IPE Clinic, I experienced the full range of PT scope of practice, including screening for red flags, triage, evaluation, and providing treatment. It challenged me to think on my feet, to be thorough and decisive.

■ **To step out of my comfort zone and learn from others.** To be an effective member of a team, we must know our own strengths and limitations, as well as the strengths and limitations of our teammates. Working in an interdisciplinary clinic team has taught me about the unique approaches, skills, and limitations each profession has in patient care. Though many of our strengths and



skills are specific to our degrees, it is reassuring to see how many of them overlap. I've learned that my PT expertise is valuable in this setting, and have tread the boundary where my scope of practice ends and another profession's begins.

■ **To gain experience in a setting where PT is not yet common.** Physical therapy's presence in emergency departments is growing, but few student PTs get the opportunity to learn on an interdisciplinary team in emergency medicine. I consider it one of my top "Why Duke?" experiences: This is an exceptional program

made possible by the dedicated efforts of staff, faculty, students, and the incredible resources available at Duke.

■ **To learn about our health care system, social determinants of health, and local economic issues.**

I have left each evening at the IPE Clinic with a greater understanding of the inequities in our health care system and the challenges we face in providing high quality, effective care. These experiences have helped me become more empathetic and supportive. It is an honor to be a part of each patient's care during what is likely a vulnerable, stressful time.



# Engage. Connect. Celebrate.



*As an alumnus, you are a valuable member of our community and we would like to hear from you.*

## Connect with other Duke Alumni

**Duke Alumni Association:** Connect with classmates across Duke and learn about upcoming events and career networking opportunities. Update your profile to reflect your current contact and professional information. Network with 5,000 alums offering information and advice about particular geographic areas, jobs and careers, stages of life, and graduate education.

## Grow your Professional Network

Join our **LinkedIn Group** to share jobs, discuss trending topics, and connect with alumni and current DPT students to expand your professional network.



Join Our **LinkedIn Group**

## Get the latest DPT News

Receive daily news updates from the DPT community through Twitter and Facebook, and get snapshots of exciting events on Instagram.



Like Us on **Facebook** Follow Us on **Twitter @Duke\_DPT** **Instagram**

## How Can We Better Serve You?

We'd like to know a bit more about you so we can provide relevant resources and opportunities. Please **take our brief (10 minute) survey** to share how we can better serve you.

**Please share your personal and professional accomplishments so that we may celebrate with you. Email us with your latest news and accomplishments.**

## Upcoming DPT Continuing Education Courses

Title of Course	Dates	Provider	Registration Information
<b>Advances in Vestibular Rehabilitation: A Competency Renewal Course &amp; Vestibular Function Tests</b>	August 7-13, 2017	Duke DPT & APTA	<b>More information to come.</b>
<b>Psychologically Informed Physical Therapy (PIPT): Pragmatic Application for Low Back Pain</b>	August 26, 2017	Duke DPT	<b>Register</b>
<b>Duke/UNC Symposium (Pain Management Across the Lifespan)</b>	November 4-5, 2017	Duke University DPT & UNC	<b>More information to come.</b>

If you're an alum interested in participating in the Duke DPT Alumni Mentorship Program, you can sign up by filling out this **short survey** to help us better pair you with a mentor/mentee.

Please **e-mail [dptalumni@dm.duke.edu](mailto:dptalumni@dm.duke.edu)** if any of these apply to you:

- board certified specialist, please indicate which specialty
- graduate of a residency/fellowship program
- interested in accompanying Duke DPT students on global health service trips
- interested in helping Duke DPT admissions with recruitment
- willing to house students who are away on clinical rotations

Please consider making a gift to the Duke Doctor of Physical Therapy division at:

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