



PHYSICAL THERAPY NEWS

UNIVERSITY OF MARY

PROGRAM DIRECTOR'S MESSAGE Mary Dockter, PT, PhD, Physical Therapy



It seems everywhere I turn; there is an increased emphasis on leadership and professional development. I am fortunate that my colleagues, both at work and in my

profession, push me to continuously grow in my leadership journey. I recently attended a one day workshop taught by Jennifer Green-Wilson, PT, MBA, EdD at the Educational Leadership Conference entitled, “Your Leadership Mindset: Think Big Act Boldly”. The focus of this workshop, as well as others I have recently attended, was on growth vs fixed mindset, grit and resilience. I think everyone would agree that healthcare, and society in general, is in desperate need of authentic leaders who have the skills and passion to lead change and transformation and who are not afraid to put themselves out there even though there is a risk of failure. I just completed my 20th year of teaching in the PT Program at the University of Mary and there is nothing more gratifying than to hear from our alum who are advocating for change. I have heard from alumni who have

testified for expanded practice acts, taken on leadership roles within their chapters or sections, advanced their education, and opened practices in rural areas in order to provide much-needed PT services. It is these stories that inspire me to do more to enhance leadership development within our professional education program. In the recent past, we have had a few students take on leadership opportunities within the program, APTA sections, Student Assembly, and the ND state chapter. Recent examples of exemplary student leadership include the student-driven White Coat Ceremony (3rd annual occurred in 2018) and the initiation of the NDPTA Student Special Interest Group and inaugural Student Conclave. The Student Conclave, which included students from the University of North Dakota and the University of Jamestown, was held at the University of Mary this past fall and was a resounding success. While I am so proud of the work and passion these students exhibited, I recognize the need to instill the importance of leadership development for ALL students. Know that faculty are continuously reviewing and assessing what we do in order to improve and look forward to being more intentional in our leadership development. Please also

recognize the important role that all of you, as clinical instructors and employers, play in promoting and role modeling leadership.

Another area of emphasis and growth has been in educating our students to work in interprofessional environments. Along with existing interprofessional coursework, faculty look forward to enhancing these skills when we move our classrooms and clinic back on to campus in fall 2020 so that our students and faculty can collaborate on a daily basis. One of the most exciting components of this will be the expanded pro bono clinic. While PT has a long-standing history with our clinic, we look forward to working with occupational, speech-language, exercise science, and athletic training students to bring needed services to underserved members of our community. Much more to come as we continue to plan for this exciting transition.

Another area of development has been our response to the increasing costs of higher

education and rising student debt. Certainly our program and university work hard to be efficient and cost effective; however, we know that a doctoral education can be a financial burden on many of our students. While we don't anticipate a quick fix, we have started a physical therapy student scholarship fund to help assist students in the future. We wanted the scholarship to be rooted in the values and mission of this university and program and could think of no better way to do that than to name it after the founder of the program, Dr. Michael G. Parker. We hope that everyone who has benefitted from their education from the University of Mary Program in Physical Therapy will consider a monetary gift as a way supporting the future of our profession and honoring all that Dr. Parker did for 100's of students. Donating on-line is easy (<https://forms.umary.edu/donate/>) and there are many options available for corporate tax breaks. Thank you in advance!

DEAN'S UPDATE

SCHOOL OF HEALTH SCIENCES

Jodi Roller, PT, DPT, EdD



The School of Health Sciences is a living entity blessed by God as evidenced by its ability to grow, change and thrive. Some of the major blessings from this past year are reported in this piece. Regarding

growth, we can boast of 70 faculty, 7 staff, and over 1000 professional students. Some of this increase in faculty/students is due to our new Speech Language Pathology program, which, as of last March, has the accreditation status of Candidacy. The SLP department, with its 13 pioneering master's students, is officially beginning its pro bono clinic this month. Plans for our new SHS space are about ready to go "out on bids." The expected grand opening will be in fall 2020. Interprofessional committees are already meeting to help plan our

interprofessional clinic and interprofessional research.

Other blessings: Occupational therapy has now transitioned to a Doctorate program (OTD) and has opened another distance site in Fargo with 11 students who are learning via the IVN system, which is connected with Bismarck. The Billings site is going strong with 3 classes of 16 (48) and with its first class of doctorate students, is transitioning to its own independent site. Athletic training is beginning its transition to a master's program (MSAT) scheduled for launch in August 2020. The BS in biomechanics is the undergraduate degree of choice for the MSAT. We were able to purchase a metabolic cart for our Exercise Physiology Department (EXP) that allows for high tech teaching and expansion of research topics. In addition, with help from the Margaret A. Cargill grant, we were able to purchase a video system for our SLP clinic, which will also be used by our interprofessional pro bono clinic after moving into our new space. This video system allows students to work with clients while being observed on an IPAD in another room. We also purchased a diagnostic

ultrasound which is currently housed in the PT department as well as a diathermy which was requested by AT. Finally, the day before graduation last year, we had a fabulous Research Colloquium with several new changes. The biggest was that we named it the Michael G. Parker Research and Scholarship Colloquium and that we moved it from the Civic Center out to campus, which allowed several administrators and others to observe the excitement and sophistication of this day. Further, we added the Health Care Bioethics student projects to the program and did three presentations every hour. That way, the experience for the observer was truly interprofessional as everyone had to watch two/three presentations each hour that were not from their own discipline. Our next colloquium is scheduled to begin on April 26 at 8:00 in Founder's Hall of the Lumen Vitae University Center. All are welcome and continuing education units are awarded. In fact, all are welcome anytime. Come and see our innovations!

CLINICAL EDUCATION UPDATES

Dr. Jody Eckert, PT, DPT, OCS

Each year Dr. Emmel and I sit down and have a meeting where we discuss our exceptional Clinical faculty and sites. We are very appreciative to have a diverse group of clinical instructors (CIs) that we use each year to help us provide quality clinical education. These CIs have been fantastic in their service to our program. A few years ago we created the Outstanding Clinical Educator award to help us acknowledge those fantastic instructors who serve in the clinical setting. This year we selected Dr. Jenny Johnson, PT, DPT, OCS who is a full time therapist at CC's in Bismarck, ND. Jenny serves our program through her

work as an adjunct faculty member in the Advanced Orthopedics course. She also provides assistance with lab testing, program interviews, and is a full time CI and ICE instructor. She and her colleagues at CC's have been an invaluable resource for the U Mary DPT program. Student feedback has been consistently positive regarding the teaching and learning opportunities at CC's. The U Mary clinical education program is demonstrating our appreciation to Dr. Johnson through the presentation of the Clinical Educator of the Year award for the 2018-19 academic year.



Dr. Johnson will receive an award plaque to commemorate this recognition.



Below are some questions we asked Dr. Johnson in order for us all to have the opportunity to get to know her and the philosophies she practices as a clinical instructor.

1. What is your educational background?

I attended the University of Mary for my Bachelor of Science degree in Athletic Training ('06), and my Doctorate degree in Physical Therapy ('09). I obtained my board certification in orthopedics in 2016. As far as continuing education, I am a nerd and find myself taking as many courses and webinars as I can. To name a few, I have been to SFMA Level 1&2, multiple cervical and lumbar manipulation courses, Myofascial Release 1&2, STMT level 1, Functional Dry Needling level 1&2 and Functional Therapeutics, Private Practice Section conference, and multiple sports medicine and orthopedics conferences. I just can't get enough!

2. List five adjectives that describe yourself.

Tough one! I would say compassionate, dedicated, resilient, empathetic, and organized

3. What interests do you pursue outside of the classroom?

I love hanging out with my family and friends, my husband, Brock, and my 6-month-old daughter, Bria. We love to attend baseball and hockey games, go kayaking, play with our three

dogs, or watch movies. In my spare time I like to do quilting and pottery, and I really enjoy photography so I'm always snapping pictures.

4. What is your philosophy for clinical education?

I feel like clinical experiences are such a crucial part of PT education. We strive to create a more casual environment so that students feel like they can interact with patients and practice various treatment techniques without feeling too intimidated yet getting the best learning experience. Throughout the clinical I try to expose the students to as much as possible, sharing recent research I have read or practicing as many interventions as possible, so their toolbox is full when they leave.

5. Describe your teaching style.

When working with students, I like to have them watch me one time, then jump in the next time. I tell each of my students that I want them to just *try*, even if they don't know exactly how to do something. Their clinicals are the perfect situation to fail and learn from it, as once you are out on your own, there isn't always someone with you. I would rather have them put forth the effort and make mistakes, so we know what we

need to work on next time. I ask questions to get a feel for what students are thinking or what made them make a certain decision. I want them reflecting on why they are doing what they are doing, not just “because they’ve done it before”.

6. What do you enjoy most about your work as a PT and what is most rewarding to you as a clinical instructor?

The thing I love the most is that our field of work is forever changing. No two days are the same and certainly no two patients are the same. As I stated before, I love researching and learning about new techniques and topics that are emerging in PT. We have to be a sponge to all this new information or we are doing an injustice to our patients and not giving them the best evidence-based standard of care. The reason I keep teaching and taking students is I love how much *I* actually learn from *them*. They help remind me of things I haven’t thought of since school and ask questions about latest research they are discussing in class. I find it really rewarding when I have taught an intervention and later that day, they are already using it on patients. Or we discuss and learn about a diagnosis or topic, and later overhear them teaching it to a patient. It makes me feel like a proud mamma!

7. What is the greatest success you have had in teaching DPT students?

I try to incorporate techniques that my past clinical instructors used with me, and that I have found to be very effective. Having students practice and utilize techniques they have just learned in class or discuss topics they are currently studying helps them to apply it to real world practice. Shoulders are a challenge for you? Cool, I’m your patient that just came in with shoulder pain. Evaluate me and let’s work through a treatment plan. I want to prepare them for PT practice by allowing them to work through any difficult situations or complex patients, while I only interject to fill in the gaps.

8. What is the most difficult aspect of teaching DPT students today?

I find sometimes it is difficult to get students out of a one-track textbook mind and to think about the patient as a whole. What variables are affecting this patient that require us to change how we will treat them? What if this happens? What if they do that? Patients are rarely textbook. I like to take what they have learned in class and throw another option or variation in from my clinical experience. This way their brain branches out a bit and their knowledge expands exponentially.

9. Describe your best professional development experience.

Attending the private practice section meeting last year was an amazing experience for me. It really helped me to develop more leadership and management skills, while networking with some amazing professionals from around the country. Billing and reimbursement strategies, marketing, professional and personal motivation techniques, and many other aspects of our field were presented and I find myself using them often.

10. What are your five year goals?

I am hoping to continue to learn about functional medicine and integrating corrective/functional exercise into the way I treat. I have been looking into a manual therapy certification or possibly doing a fellowship, so that’s on my radar. I also want to continue to teach and mentor students, as it has become a passion of mine. Personally, I hope to continue to grow my family and raise my kiddos to be happy, healthy little humans. I’m also hoping to take a trip with my husband to go see some baseball fields around the country, catch a few games, and see new cities.

Please know of our sincere gratitude for the services that all of our clinical instructors, coordinators and sites provide to our program and students each year. We are forever grateful and could not provide quality PT education without partners like you!

Clinical Education Updates cont. Lauren Emmel, PT, DPT, PCS

On Wednesday, October 31, 2018 the University of Mary held an advisory panel. The two-hour advisory panel included continuing education on The Human Movement System (<http://www.apta.org/MovementSystem/>) and strategies to enhance clinical reasoning amongst student physical therapists presented by our faculty Instructor Jason Hogan, Dr. Heather Lundeen, and Dr. Bob Schulte. Following the educational session, three workgroups (clinical education, curriculum, and admissions) provided an engaging dialogue and ideas for improvement within these three areas of the program. Thank you to all those who served our program in this way!

SAVE THE DATE!

The University of Mary will host an APTA Basic Credentialed Clinical Instructor Program

In our clinical education advisory group, many engaged clinicians offered ideas and resources to enhance our 3rd year integrated clinical experiences (ICE). The emphasis of these experiences is to expand the breadth and depth of the practice of physical therapy, including Interprofessional practice and specialty areas of physical therapy practice.

If you have ideas for how to enhance this portion of our clinical education curriculum or would like to be engaged in the conversation or offering opportunities to our students in this regard, please contact Lauren Emmel at laemmel@umary.edu.

(CCIP) in Bismarck from July 25-26, 2019. For more information, contact Lauren Emmel at laemmel@umary.edu.

ALUMNI NEWS

Baby Blessings

Ryan Pope (2002) and his wife Erica welcomed Lincoln Joseph on July 3rd, 2018. He joins his four siblings at home in Minnesota.

Sharona (Schroeder) Hermes (2008) and her husband welcomed their second child, a boy, Colson Thomas on 11/1/18.

Alli Gorder (2013) and her husband Geoff welcomed their first child, Gordie Henry Slick, on April 11th, 2018.

Cody Oliver and Sami (Hensch) Oliver, both class of 2013, welcomed their twin boys, Beau and Jordy, on Dec. 21st, 2018.

Denise Schram (2014) and her husband Carl welcomed twin boys, Colin and Beckett, on May 22, 2018.

Elizabeth Jones (2016) and her husband Joe, and their daughters welcomed a boy, Mateo Josiah, on 9/12/18.

Professional Updates

Samuel Owiredu (2006) was named the “Best in Patient Care” by the American Health Council in August 2018.

Megin Sabo John (2011) successfully published: "Ischial Tuberosity Avulsion Fracture in an Adolescent Dancer: A Case Report" in the January 2019 publication of Orthopedic Physical Therapy Practice.

Class Updates

Kayla Jacobs, SPT Class of 2019 President

The Third-year students have been busy this last academic year completing research, final coursework, and 2 10-week clinical education experiences. This past summer, we completed our service learning projects which included a 2 week mission trip to Guatemala, educational services at a local non-profit, Ministry on the Margins, a collaborative project between PT and engineering, Go Baby Go, or Adaptive Golf program for kids with disabilities. Many students from each class also attended the first North Dakota Student Conclave hosted by the newly formed North Dakota Student Special Interest Group (NDSSIG). We had many alumni from the University of Mary PT Program speak to UMary, UND and University of Jamestown students about various topics. It was a great way to meet other students around the state and network with professionals. We hope this event continues to be a success throughout the years. The NDSSIG board is already planning for the 2019 Conclave and will be looking for alumni to be involved, so reach out if you're interested. Several members of the class attended the National Student Conclave and are also planning to attend the APTA



Class of 2019 at the ND State Capitol with our NDPTA

Combined Sections Meeting in Washington, DC. Students enjoy working in our Pro Bono Clinic at the beginning of our fall and spring semester while also mentoring the 1st and 2nd year students. We are learning and enjoying our new electronic medical record system which will make the process more efficient. Lastly, we have had a strong presence in the community as volunteers at various events including Special Olympics, the Buddy Walk, HomeRun Heroes, and adaptive sports.

Matthew Gallegos, SPT Class of 2020 President

This last year has been a “whole ‘nother animal” for the Class of 2020. Beginning with the spring of 2018, we were able to participate in our first Home Run Heroes event – which has become a UMary PT tradition for children with disabilities. It was an unforgettable experience to say the least- I’ve never seen so many home runs hit in a single game!! Following the conclusion of our first year finals, we then left for our first clinical experiences. From Texas to Minnesota and then all the way west to California, we were spread out across the country for 6 weeks, putting our newly acquired knowledge in physical therapy to work treating actual patients. To begin our second year of PT, the Class of 2020 celebrated a white coat ceremony to commemorate our first experiences in clinic. Then came the fall semester of our current 2nd year – one that focused more on the application of our knowledge and integration of treatment regimens. In the last 4 months, we’ve been exposed to several new domains of the PT spectrum including pediatrics and orthopedic treatment. Even

as graduate students, we have learned the importance of PLAY and FUN. A special THANK YOU goes out to all the children and families who allowed us to work with them and provide them therapy this year. Now, as the spring semester of 2019 comes upon us, we look forward to yet another year of professional development and growing closer to obtaining our dreams as physical therapists.



Class of 2020 White Coat Ceremony

Alex Poland, SPT Class of 2021 President

It is with abundant joy that I share with you the excitement that has accumulated in our first semester of PT school! Each morning, you can find 48 motivated and compassionate individuals, who share the same love for coffee and quality time, ready to make a difference in someone's life. It is evident that our class strives towards the same goals of community, advocacy, and service both in and outside the classroom. Our class Student Physical Therapy Association Representatives, Kelly Bosch and Ryan Baumgartner, as well as our class ND PTA Representative, Renee Oelkers, work extremely hard setting this servant-leader example for the rest of us to follow. When we aren't in the classroom or local coffee shop studying, our class finds creative ways to share our time and service within the community. Many of us participated in the annual University of Mary Day of Service



lending a hand at the Annunciation Monastery, Bismarck Zoo, and Ministry on the Margins. In addition, our class has volunteered with several local organizations including the Designer Gene Foundation, Bismarck Special Olympics, and St. Gabrielle's Community. We have also enjoyed each other's company during the holiday season hosting our first ever Friendsgiving and Christmas Celebration events! Both occasions were filled with delicious family recipes and endless laughter. As we continue to progress in the program, we continue to challenge one another and strive to become the best versions of ourselves that we can be.



Class of 2019 Service-Learning Projects

GO BABY GO Kristy Johnson, SPT

A group of students in the second year physical therapy class participated in a Go Baby Go project for the second consecutive year this past summer. Go Baby Go was developed as a national community outreach program to provide adapted ride-on cars to children with limited mobility. This year's group modified five cars using various tools and materials such as pool noodles, foam kick boards, and PVC pipes and fittings to provide adequate support and to allow the vehicles to be propelled independently using switches. Four out of five cars and the materials were purchased with a donation from Kupper Subaru in Mandan, and the switches were provided by ND Assistive. "Go Baby Go was a great experience that

allowed me to be creative and innovative to accommodate to the specific wants and needs of the child," said student Lyndsi Klundt. "My favorite part was the reveal day as the entire room was filled with smiles and laughter from the children getting to drive their cars around the room."



MINISTRY ON THE MARGINS SERVICE PROJECT

Margaret Ostby, SPT

Several students in the Class of 2019 partnered with Ministry on the Margins, a local nonprofit that serves homeless individuals within the Bismarck area, for their service-learning project. The health care needs faced by the homeless population are often overlooked or misunderstood by health care providers. This is a population that experiences much higher rates of chronic mental and physical illness. The largest contributing factor leading to high levels of illness in the homeless population is the lack of access to healthcare and health education. Physical therapy is uniquely positioned to address conditions often faced by individuals experiencing homelessness including most significantly chronic pain. Our group provided a four week curriculum of courses addressing common health issues faced by the homeless population that can contribute

to chronic pain. Topics covered included making healthy choices at the food bank, exercise while living on the streets or in temporary housing, non-medication pain management techniques and stress management techniques. The coursework received very positive feedback and was an immensely impactful experience both for the individuals served as well as for the physical therapy students. In the future, students envision the partnership between Ministry of the Margins and the University of Mary physical therapy department will be expanded to encompass students from various disciplines including nursing, social work and education to provide further resources for individuals living in transition in the local Bismarck area.

ADAPTIVE GOLF PROJECT

Tiffany Swanson, SPT

In the summer of 2018, six Doctorate of Physical Therapy students worked together to provide golf instruction for children with special needs. The overall goal of the adaptive golf project was to increase level of interest and participation in golf. Research has found that leisure participation in school-age to adolescence in individuals with cerebral palsy decreases in diversity of activities and intensity (how often) of participation from school-age to adolescents, even though there is

a persistent desire in this population to participate in these leisure activities. By adapting equipment and increasing patient interest in recreational golf, the adaptive golf group aimed to improve participation in recreational activities that provide important cardiovascular and health benefits in this population across the lifespan.

Five golfers were included in this project and were found through reaching out to past participants, contacting families that

participate in Homerun Heroes - a similar adaptive sports activity - and distribution of flyers throughout the community golf courses. PT students worked in pairs or groups of three and determined barriers to participation with golf in the first meeting with each participant. Golf clubs were provided free of charge by the North Dakota Junior Golf Association and other materials required were provided by students with access to resources from school. Flexible scheduling around parent/child schedules was provided with an average of 1-2 sessions per week for 4 weeks. Sessions took place at Tom O'Leary, Riverwood, Pebble

Creek, and primarily Sheila Shafer Mini-Links golf course and included putting skills and completion of 3 mini sized holes with all aspects of golf game depending on participant functional ability and goals. The end of the summer event allowed all participants and therapy students to demonstrate their golf and etiquette skills as well as socialize with other participants. It was a rewarding experience demonstrating all their hard work over the four weeks and the adaptive golf project will continue to impact participation and interest in recreational activities for individuals with functional limitations.

GUATEMALA SERVICE-LEARNING EXPERIENCE

Donald L. Allen, PT, Ph.D.

Associate Professor



In August, eighteen 3rd year Physical Therapy students and Dr. Allen traveled to Guatemala for a service learning experience. After arriving in Guatemala very early Sunday morning, we traveled by bus to the Mission at San Lucas Toliman on the shores of Lake Atitlan. We met up with Physical Therapists from Big Stone Therapy, and started our day visiting Panajachel and Santiago, two towns on the shores of Lake Atitlan. We had lunch and shopped in Panajachel, and then traveled across the lake to Santiago. We visited more

markets and the church in Santiago. Father Stanley Rother who was the priest at the church in the 1970 for more shopping and visiting the local Catholic Church. Father Stanley Rother was the priest in Santiago from 1968 to 1981, and he was beatified in 2017.

On Monday, we started working in the community with the therapists from Big Stone Therapy. We formed three groups, each with 2 therapists and 6 students. Via pickup trucks and busses, we traveled to villages surrounding San Lucas seeing about 50 patients over 3 days. We also spent one day at the hospital sponsored by the mission and treated an additional 50 patients. We also toured the facilities and projects of the San Lucas Mission: including their school, their coffee processing center, and the women's center.

On Saturday, we left the San Lucas Mission to travel to Antigua to work with the God's Child

Project. We traveled north in order to bypass areas that were damaged by the eruption of Volcan Fuego earlier in the year. Antigua is more of a tourist town than San Lucas. Our time in Antigua was divided between service projects, cultural and historical activities, and fun activities. We toured Antigua, visited several of the churches and the Cerro de la Cruz, the cross on the hill. Several nights, we went to local restaurants, and one evening at the Dreamer Center we learned how to make pico de gallo and corn tortillas. The highlight of our fun activities was visiting Santo Domingo del Cerro and zip-lining the mountain. If you travel to Antigua, the group recommends the longer zip-lining route. With the God's Child project, we spent an afternoon at Casa Jackson, assisted at their homeless shelter, and built four houses for families who live around Antigua. Thanks to a gift, we were able to purchase groceries and household goods for the families. Our last service activity was working with Hope Haven Guatemala to purchase and fit wheelchairs for several Guatemalans with disabilities.



This was another successful service trip to Guatemala for the University of Mary Physical Therapy Program. We would like to thank all who supported us, particularly Big Stone Therapy, the Global Studies department of the University of Mary, the God's Child Project, Hope Haven Guatemala, the San Lucas Mission, and all family and friends who supported us. Dr. Missy Taylor will be leading the next service trip with 21 students to Guatemala in August 2019.



NORTH DAKOTA STUDENT SPECIAL INTEREST GROUP

Katie Kostelecky, 2018 NDSSIG Chair
Drew Olson, 2019 ND Core Ambassador

The North Dakota Student Special Interest Group has been hard at work this year to increase student involvement. We held 3 National Advocacy Dinners where we had the opportunity to discuss issues affecting the future of the physical therapy profession and learn how to make a difference as a student advocate. We also held 5 PT Pub nights where students were able to meet and converse with other students and professionals. On September 15, we held the inaugural North Dakota Student Conclave where DPT and PTA students from different schools were able to meet and network

with one another, informed about various topics pertinent for transition into a successful career, and provided information and opportunities for involvement with the APTA and NDPTA. Students were able to learn from clinicians about the trending topics and future developments in the physical therapy field. With a high turn-out rate for students, all events were quite successful. We were able to fundraise and establish funds for future student involvement events.

PHYSICAL THERAPY RESEARCH

University of Mary School of Health Sciences Michael G. Parker Research Colloquium

Save the Date: Friday, April 26, 2019 *on the University of Mary Campus*

PHYSICAL THERAPY RESEARCH

By Michael G. Parker, PhD, PT, FACSM
Professor, Research Director

The 22^h Annual University of Mary School of Health Sciences Michael G. Parker Research Colloquium will be held on Friday, April 26, 2019 *on the University of Mary campus*. The Colloquium will be offered on the campus of the University of Mary in an environment that will offer many opportunities for interprofessional communication among all attendees. The Colloquium is an interprofessional event featuring student representatives from the University of Mary, School of Health Sciences Programs in Athletic Training & Biomechanics, Bioethics, Exercise Science & Clinical Exercise Physiology, Occupational Therapy, Graduate Nursing, Physical Therapy, Respiratory Therapy, and Speech and Language Pathology. The purpose of the Colloquium is to celebrate the *scholarship of discovery* as our students' present current and new knowledge in their respective field of study.

Physical Therapy Student Research

Platform presentations of the research completed by 10 – groups of physical therapy students will be presented at the 2019 Colloquium. The following are the titles of the projects to be presented:

The Validity of the Hruska Adduction Lift Test Using Surface Electromography. Katelynn Kostelecky, Austin Schmidt, Lada Koenitz-Hudac, Bobbi Froelich.
Project Committee Chairperson: Professor Jason Hogan.

Investigation of the Influence of Electrical Stimulation Pattern and Recovery Time on Muscular Fatigue. Julie A. Kidrowski, Lyndsi E. Klundt, Shaunna A. Messmer, Nika A. Ostby, Christina R. Winterburn-Cassavant.
Project Committee Chairperson: Dr. Michael Parker.

Enhancing Student Retention of Knowledge of Human Anatomy. Sadie Dale, Samantha Smith, Amber Strouf, Kristin Talbot, Lexyn Walker.
Project Committee Chairperson: Dr. Donald Allen.

Effect of Core Strength on Gait Speed in Older Adults. Monica Kuether, Ashley Stifter, Sabbin Chammachel, Therese Hinnenkamp.
Project Committee Chairperson: Dr. Jodi Roller.

The effects of Implementing a Prenatal Tummy Time Course on the Incidence of Plagiocephaly. Kristy Johnson, Josephine Kautsky, Cindy Kim, Carly Ruscheinsky.

Project Committee: Dr. Lauren Emmel.

The Effects of Recruitment of Jaw Musculature on Dynamic Postural Control in a Patient with Multiple Sclerosis. Eric M. Drake, Makenzie L. Gedrose, Madison R. Klatt, Molly A. McDonald, ReeAnn L. Mehus, Casey R. Sailer. Project Committee Chairperson: Dr. Melissa Taylor

Changes in Pitch Characteristics as Youth Baseball Pitcher Nears Pitch Count Limit. Mitchell R. Bridgeford, Jake H. Capko, Dayton N. Johnson, Tyler M. Lang, Cory A. Tumberg. Project Committee Chairperson: Dr. Robert Schulte

Examination of the Effects of an Inter-professional Education Experience on Individual Attitudes, Beliefs, and Perceptions among Doctorate of Physical Therapy Students and Family Medicine Residents. Meghan Huber, Tiffany Swanson, Ashley Morast, Ally Nelson, Katie Kusser, Beth Perkins. Project Committee Chairperson: Dr. Jody Eckert

Testing the Validity and Reliability of Two-Dimensional Photographic Analysis for Head Deformity Utilizing a Custom Smartphone Application. Dat Mao, Kayla Jacobs, Brooke Larson, Kathleen McRae. Project Committee Chairperson: Dr. Heather Lundeen

Relationship Between Functional Movement Screen and Field Tests, Strength, Power, and Agility Measures in Female Soccer Players ages 14 to 18 years old. Michael Berger, Taylor Chavez, Clair Gannon, Garrett Gellerman, Joshua Guyer. Project Committee Chairperson: Dr. Robert Schulte

The research projects fulfill the scholarly project requirement for the Doctor of Physical Therapy degree. The research projects were completed with faculty members serving as the student's research committee Chairperson.

The students are congratulated for their perseverance, sound critical thinking, and the scholarship they demonstrated during the completion of these projects.

PT PROGRAM FACULTY ACCOMPLISHMENTS

2018-2019

Dr. Mary Dockter

Dockter was named the Senior Editor of the Journal of Women's Health Physical Therapy in January 2018. She was also re-elected to her 2nd term as ND Chapter Delegate to the APTA House of Delegates in fall 2018. Dockter is in her 3rd year as chair of the Leadership Development Resources Committee for the American Council of Academic Physical Therapy.

Dockter M, Bishop M, Nelson P, Alappattu MJ, Abraham K, Spitznagle T, Reisch R, Chiarello C. Reject or Correct? A guide to effective feedback on the road to publication. Education Session Proposal accepted for APTA Combined Sections Meeting Feb 2019.

Dockter M, Lundeen H, Parker M. An Interprofessional Geriatric Experiential Learning Experience: Its Impact on Physical and Occupational Therapist Students and Older Adults Participants. In Review; Submitted to *J Phys Ther Educ*. Sept 2018.

Dockter M, Benson S, Zhang Y, Anderson C, Le Dang. Factors Influencing Physical Therapists to Enter into Women's Health Specialty Practice. *J Women's Health Phys Therap*. 2018;42:3.154-164.

Dr. Jody Eckert

Dr. Eckert continues her service on the University of Mary School of Health Sciences Clinical Education Committee as the Chair. She also is a nominating committee member for the North Dakota Physical Therapy Association.

Anderson C, **Eckert J**. *Impact of Terminal Clinical Length on Satisfaction, Learning Opportunities and Confidence*. Poster presented at: APTA 2019 Combined Sections Meeting in Washington, DC from January 23-26, 2019.

Dr. Lauren Emmel

Lauren continues to serve as the chair of the ethics committee for the North Dakota Physical Therapy Association through 2019. She was selected to serve the Specialization Academy of Content Experts by the American Board of Physical Therapy Specialties for a two-year term beginning in 2019.

Jason Hogan

Jason Hogan is currently finishing the last portion of his dissertation entitled "A Structural Equation Model of Factors Affecting Frequency of School-Based Service Delivery For Students With Disabilities: Retrospective Analysis Of The School Outcome Measure" through the University of Oklahoma Health Science Center.

Dr. Heather Lundeen

Lundeen H et al. The effect of a community all access dance class on dance skills and participation in children with participation restrictions. Poster Academy of Pediatric Physical Therapy Annual Conference: November 2018; Chattanooga, TN

Dannemiller L, **Lundeen H**, Anderson D, Birkmeier MC, Furze J, Moore J. Excellence in pediatric physical therapy education: identification of exemplar programs, study of exemplar case 1. Poster Academy of Pediatric Physical Therapy Annual Conference: November 2018; Chattanooga, TN

Dr. Missy Taylor

Dr. Taylor is on the cont. ed committee for the NDPTA and organized with Nichole Sommers (U Mary alumni) the 2-day fall course titled “The Science of Fall Prevention” at the U Mary PT building put on by Mike Studer. It was a huge success! Dr. Taylor will also be leading the service mission trip to Guatemala this coming August for the first time. She is excited to go back to Guatemala (she went as a student in 2005)!