**IN·NO·VA·TION** can be defined simply as a "new idea, device or method". However, innovation is often also viewed as the application of better solutions that meet new requirements, unarticulated needs, or existing market needs (wikipedia). In 2013, the American Physical Therapy Association launched an innovation summit to share practice models across the national stage. From that day of discovery, APTA launched Innovation 2.0, an initiative aimed at bolstering the impact of physical therapy in innovative and emerging models of health care such as accountable care organizations, bundled payment, direct access, pay for performance, patient-centered medical homes, prevention and health promotion, and value-based purchasing.

In this issue, we wanted to recognize our Michigan-based innovators, researchers, educators and value optimizers. We hope that the information presented in this issue will inspire every clinician to look within their practice for opportunities to implement a new idea, a new device or a new method to innovate service delivery to our patients and our communities. Our academic institutions demonstrate a desire to collaborate with community providers to research meaningful, practical solutions to your patient population needs.

We hope you will engage with the research in progress or propose a new idea, device or method. The future of our profession depends on continuous exploration of what we do and how effectively we bring quality to our patient experience.
MPTA is continuing to move forward with the legislative priorities for the 2017-18 Michigan legislative session. We are closer to having a vehicle to add physical therapists to the list of individuals authorized to approve disability parking placards for individuals in need. Progress is also being made to have physical therapists added to the list of individuals who have mandatory reporting requirements for suspected child abuse. Additionally, MPTA is working closely with individuals and organizations to help ensure our profession is working at the highest level of our education and training by considering the merits of including Michigan in the PT Interstate Licensure Compact, and ensuring that our scope of practice allows for PTs/PTAs to utilize the wide range of treatment techniques that benefit our patients. MPTA along with our lobbying firm of Muchmore, Harrington, Smalley and Associates is working closely with legislators, regulators and other professional organizations to advance the practice of physical therapy in the wide variety of practice settings we provide care. If you feel that you can contribute, or are interested in how you can help with legislative efforts, e-mail MPTA at MPTA@MPTA.com

Thank you for being part of the Physical Therapy profession!

Respectfully,
Craig Miller, PT

MPTA MAILING ADDRESS:
1055 N. Fairfax St, Suite 205
Alexandria, VA 22314
Phone: 1-800-765-7848, ext. 7119
Email: mpta@mpta.com
Website: www.mpta.com

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MPTA CALENDAR - 2017 (September-October)

SEPTEMBER
Labor Day: Sept. 4
Rosh Hashanah: Sept 21-22
Yom Kippur: Sept 30
Tuesday, September 12
Board of Directors Conference Call 8:00 – 9:30pm (EDT)

OCTOBER
Columbus Day:  Oct 9
Tuesday, October 10
Michigan Board of Physical Therapy Meeting – Lansing (1:30pm)
Thursday, October 12
Board Meeting – Bavarian Inn, Frankenmuth
October 13-14
Fall Conference – Bavarian Inn, Frankenmuth
Saturday, October 14
MPTA Membership Meeting – Bavarian Inn, Frankenmuth
Monday, October 23
Submission Deadline for Winter Shorelines – Delivered early December

LEGISLATIVE DIRECTOR’S REPORT
Craig Miller, PT

MPTA is continuing to move forward with the legislative priorities for the 2017-18 Michigan legislative session. We are closer to having a vehicle to add physical therapists to the list of individuals authorized to approve disability parking placards for individuals in need. Progress is also being made to have physical therapists added to the list of individuals who have mandatory reporting requirements for suspected child abuse. Additionally, MPTA is working closely with individuals and organizations to help ensure our profession is working at the highest level of our education and training by considering the merits of including Michigan in the PT Interstate Licensure Compact, and ensuring that our scope of practice allows for PTs/PTAs to utilize the wide range of treatment techniques that benefit our patients. MPTA along with our lobbying firm of Muchmore, Harrington, Smalley and Associates is working closely with legislators, regulators and other professional organizations to advance the practice of physical therapy in the wide variety of practice settings we provide care. If you feel that you can contribute, or are interested in how you can help with legislative efforts, e-mail MPTA at MPTA@MPTA.com

Thank you for being part of the Physical Therapy profession!

Respectfully,
Craig Miller, PT
INNOVATIVE MODELS OF CARE
Western Michigan Leading the Way in Changing the Physical Therapy Practice Paradigm

Timothy D. Phillips, PT, DPT, MTC
System Clinical Lead
Spectrum Health

There is no time like the present to make the case for the value physical therapy can provide in terms of healthcare outcomes and utilization. There is an array of threats that would seek to marginalize or remove us from care and payment models. Spectrum Health has an incredible opportunity and mandate to define our worth before it is decided for us. Publications of non-inferiority trials like one in the June edition of Annals of Internal Medicine, concluded “A manualized yoga program for nonspecific cLBP was non-inferior to PT for function and pain.” The inability clearly impact the health of populations when cheaper solutions are available in the marketplace lead physicians, patients, payers, and policy makers to devalue the skilled care we can provide.

For over a decade physical therapy has been pursuing direct access and autonomy. We believe the next frontier is establishing PT as an advanced practice provider (APP) treating and managing neuromusculoskeletal disorders within the context of an integrated care team. At Spectrum Health, we have been busy placing PT’s in multiple front line provider roles and communicating the results in terms of healthcare utilization- total cost of episode of care, imaging, ED visits, etc. When juxtaposed against the cost and skills of MD or PA- an advanced trained, guideline adherent PT is the better value for the patient and the payer.

The oldest model we created places a PT in the Occupational Health clinic at the point of initial care for musculoskeletal disorders (sprain/strain, pain, tendonitis). After evaluation and treatment- the PT has direct input for work restrictions, imaging, and referrals when conferring with the medical provider. The PT more directly manages care for the 1st 7 authorized visits while conferring with their medical counterparts and the employer on a weekly basis. This model of care has dramatically lowered costs while simultaneously increasing and productivity for the employer and employee. (see figure on next page) Other key findings in the original study were: Imaging was decreased by 60% and a significant (>2 point) change in pain without opiates when PT intervention occurred at the initial occupational health visit. As the largest employer in West Michigan with > 26,000 employees the savings to Spectrum Health are estimated at $2.5- $3.3 million per year. See the April issue of the Journal of Occupational & Environmental Medicine for the original study.

Similarly, we embedded a PT in an Advanced Medical Home (AMH) this spring to care for musculoskeletal complaints within the primary care office. The model increases access for the medical providers so that MD/PA/NP can see other medical conditions especially those with greater acuity and complexity. (2010 article in Health Affairs- see figure for adapted model). At the time of this writing, the PT is successfully managing >85% of the patients (n=200) in 1-2 visits, without need for referral to specialists or imaging. In terms of value to the patient: 32% have had occult findings- knee pain that is not knee pain but lumbar radiculopathy masquerading as knee pain; no doubt saving them time, money, and frustration. We are in the process of converting this model to a full research study.

In 2015, a team of 6 PT’s travelled to Keele University to study with the original researchers on the STarT Back Trial. Armed with the Keele STarT Back Screening Tool we partnered with a primary care office to implement a guideline adherent, biopsychosocial model of care inclusive of neuroscience based pain education, motivational communication, cognitive behavioral therapy (CBT) and other behavioral change tools. Unpublished data indicates that the risk stratified cohort treated with psychologically informed care had markedly lower ED visits, imaging (72% less), and injections. This skill set is particularly useful for both secondary prevention inhibiting the progression from acute to chronic pain as well as the chronic pain population. We are currently mentoring and upskilling more PT’s to deliver psychologically informed care.

This summer, two PT’s started seeing musculoskeletal (sprain/strain pain), balance, and vertigo patients in the Blodgett Hospital Emergency department (ED). Their presence and expertise has decreased hospital admissions, uncovered occult conditions and provided appropriate care while maintaining throughput for the ED.

Models of care that provide patients, payers, healthcare delivery systems clear benefits according to the metrics that each audience is concerned with will undoubtedly keep the profession relevant in the years to come. Our experience has demonstrated that matching the right condition to the right provider at the right time, produces excellent outcomes specifically by the avoidance of adverse events, chronicity, and disability. Modeling and influencing guideline adherent behavior inevitably reduces wasted resources. When patients are adequately educated and cared for- they are more open to following evidence based practices. It is an exciting time to be a PT as we demonstrate mastery in our work and relevance to healthcare as a whole.

www.mpta.com • Fall 2017 □ 3
MEMBERSHIP SPOTLIGHT

Traci Daniels PTA, CLT, AP

Traci Daniels PTA, CLT, AP recently received the title of Advanced Proficiency in Oncology from the American Physical Therapy Association. Advanced Proficiency requires rigorous educational preparation, 2000 clinical practice hours in the specialty field, formal mentorship and professional development meetings which occurred over a 2 year period. Few Physical Therapist Assistants have achieved this distinction.

Traci graduated from Macomb Community College in 1993 with an Associates in Applied Science Physical Therapist Assistant and Delta College in 2000 with a Massage Therapy degree. Traci hired into Beaumont Health System Troy in 2009 specializing in oncology, orthopedics, neurology, and lymphedema. She became a Certified Lymphedema Therapist from National Academy of Lymphatic Studies in 2012. She has also earned certifications in Strength Training, Senior Boot Camp and as a LSVT BIG instructor. Traci has taken many courses including Breast Cancer, Exercise with Cancer and with Lymphedema, Head and Neck Cancer and Prostate Cancer.

Traci’s passion for oncology care includes facilitating the Cancer Survivorship Exercise and Wellness Program in addition to extracurricular survivorship program activities for community integration and socialization to promote wellness including Relay for Life, Race for the Cure, trips, parties and fundraisers. She presented “A Day in the Life at the Cancer Survivorship Wellness Program” at a Beaumont Health System sponsored symposium on Cancer Rehabilitation Exercise and Wellness. Traci has been married for 24 years to Kevin and has a daughter Marlena and two dogs Petey and Scooter.
Move forward. It is what we do as a profession, it is what we help our patients do, and it implies continuous motion and change. Innovation is the driver of that change including innovation in clinical practice, practice administration, and operation of our professional association. I just returned from the 2017 APTA House of Delegates where we unanimously passed RC 8-17: “That the American Physical Therapy Association explore and, if feasible and advisable, develop model(s) of innovation centers to expedite the creation and growth of effective transformational innovations that revolutionize physical therapist practice and positively impact society.” Our profession clearly believes in the need for change and innovation, and each of us as physical therapy professionals has an open invitation (and obligation) to contribute to keeping our profession relevant to our patients and to the health care delivery systems of the future.

Embracing change is also evident in the unanimous passing of RC 6-17: “Definition of Physical Therapist Professional Scope of Practice” which defined professional scope as evolving in response to innovation, research, collaboration, and changes in societal needs. It is critical that our profession clearly reflects this in state regulatory language that defines physical therapy practice by the education and training of the profession and not by the tools we use. We should avoid laundry lists of procedures which severely limits our professional evolution. Current statutory language regarding the practice of physical therapy in Michigan includes “rehabilitation procedures”. MPTA is working with LARA and the Michigan Board of Physical Therapy to ensure “rehabilitation procedures” reflects the evolving nature of professional practice.

In what ways are you an innovator? Maybe it is blending novel theoretical and well-established approaches to patient care to fit the needs of an individual patient. It might be engineering new processes in work flow at your clinic to enhance throughput while improving the patient/clinician experience and optimizing quality. Or maybe it is leveraging the human and financial resources of a large health system to trial innovative methods for delivery of musculoskeletal care by physical therapists working as primary care providers alongside physicians in an advanced medical home. By the very nature of their work, the academic and clinical researchers among us are always seeking new ways to improve treatment efficacy, demonstrate the value of physical therapy services and translate new knowledge into standard practice.

The core mission of translational research is to ensure that evidence-based and “best practices” are adopted at the bedside and in our clinics. We all have a role in this important endeavor. After all, if we don’t succeed together we fail together. The innovators alone cannot move our profession forward. Innovation loses its potency if the rest of us do not implement and leverage these innovations in a broad and pervasive way. Ghandi’s challenge to “be the change you want to see” is perhaps overused and seems a bit quaint at times but on the present subject is quite relevant. We all play a role in innovation and/or the implementation of that innovation. We all represent physical therapy to patients and policymakers.

Let’s Innovate. Implement. Move forward.

PAYMENT COMMITTEE REPORT
Janis Kemper, Payment Committee Director

The payment committee has continued to communicate assertively with Blue Cross Blue Shield of Michigan (BCBSM) and eviCore about problems and issues related to interrupted physical therapy services. We are now working with them on process issues to move toward a value-based approach which would encourage them to focus on the over-utilizing practices without punishing everybody. Strategies we are employing include:

- working with an attorney to file a complaint with the insurance commissioner
- talking with state and federal legislators for support with CMS coverage for physical therapy services
- putting pressure on BCBSM through their consumers with the letters

We need your help.
- Do you have a connection with a federal congress member or senator? The MPTA has talking points if you can get in front of your legislators.
- Do you have any connections with large groups with more leverage? We need influence with perhaps the retired teacher union reps, HR directors and executives of large companies that use or are considering BCBSM. MPTA can provide talking points.
The 2017 House of Delegates meeting in Boston, MA was productive. Several substantive motions were passed and the Michigan delegation contributed significantly to the meeting. Twelve delegates and one PTA caucus rep. represented the Chapter including first time PTA Caucus Rep. Gayle Wallace.

The following are some highlights of motions passed by the House of Delegates:

**RC 1A-17: BOARD RESPONSIBILITY FOR ASSOCIATION MISSION STATEMENT**
- The APTA Board of Directors (Board) creates and maintains the mission statement for the association. This mission statement shall align with the vision for the physical therapy profession created by the House of Delegates.
- Proviso: When the Board adopts a new APTA mission statement the Mission Statement of APTA (HOD P06-93-05-05) and Mission Statement Fulfillment (HOD P06-93-06-07) shall be rescinded.

The board will now create a new mission statement for the association.

**RC 4-17: PHYSICAL THERAPISTS AS QUALIFIED TO DETERMINE MOBILITY STATUS FOR PATIENTS AND CLIENTS APPLYING FOR DISABILITY PLACARDS, DISABILITY LICENSE PLATES, OR PARATRANSIT SERVICES** was amended to read:
- The American Physical Therapy Association supports increased societal access to and recognition of physical therapists for disability evaluation and determination for health, recreation, employment, legal, regulatory, transportation, and insurance purposes.

New scope of practice language was passed in **RC 5-17: PHYSICAL THERAPIST’S SCOPE OF PRACTICE** as follows:
- An individual physical therapist’s scope of practice is influenced by professional, jurisdictional, and personal scopes of practice.
- Over the course of the physical therapist’s career, scope of practice evolves based on considerations, including but not limited to, societal needs; progressive professional development activities of the physical therapist; modifications to jurisdictional laws and regulations; advancements in knowledge, research, clinical skills and technology; and the evolving health delivery system.

To further define the Physical Therapist Scope of Practice, **RC 6-17: DEFINITION OF PROFESSIONAL SCOPE OF PHYSICAL THERAPIST PRACTICE** was adopted as follows:

**DEFINITION OF PHYSICAL THERAPIST SCOPE OF PRACTICE**
- The professional scope of physical therapist practice is grounded in basic, behavioral, and clinical sciences. It is supported by education, based on a body of evidence, and linked to existing and emerging practice frameworks. The professional scope evolves in response to innovation, research, collaboration, and changes in societal needs.
• The professional scope consists of patient and client management, which includes diagnosis and prognosis, to optimize physical function, movement, performance, health, quality of life, and well-being across the lifespan. In addition, the professional scope includes contributions to public health services aimed at improving population health and the human experience.

• The jurisdictional scope of physical therapist practice is established by the practice act governing the specific physical therapist’s license, and the rules adopted pursuant to that act.

• The personal scope of physical therapist practice consists of activities for which an individual physical therapist is educated, trained, and is competent to perform.

Another motion passed was **RC 12-17 CHARGE: PLAN TO AMELIORATE THE ADMINISTRATIVE BURDEN ON PHYSICAL THERAPIST PRACTICE**

• That the American Physical Therapy Association (APTA) explore the administrative burden of providing physical therapist services and describe its impact on the patient, the cost of care, and the profession. By June 2018, APTA shall develop and implement a plan to ameliorate the burden.

In addition, two bylaws amendments were passed.

The first, **RC 13-17 AMEND: BYLAWS OF THE AMERICAN PHYSICAL THERAPY ASSOCIATION, ARTICLE IV. MEMBERSHIP, SECTION 4: CHAPTER ASSIGNMENT.** This amendment allows uniformed service personnel to choose to which chapter they wish to belong. The amendment reads as follows:

• Members who are active uniformed services personnel, and members who are spouses or partners of active uniformed services personnel, may choose to be assigned to any chapter.

The second, **RC 14-17, BYLAWS OF THE AMERICAN PHYSICAL THERAPY ASSOCIATION, ARTICLE V, COMPONENTS: CHAPTERS, SECTIONS, ASSEMBLIES, AND THE AMERICAN COUNCIL OF ACADEMIC PHYSICAL THERAPY, SECTION 1: CHAPTERS, D. STRUCTURE.**

• This amendment allows components with a representative body structure to be able to change their bylaws to give the PTA a full vote. We do not have a representative body structure in the Michigan chapter and have already passed a bylaw amendment allowing PTA’s a full vote. We are currently waiting for this bylaw to be finalized by the APTA.

To see the entire summary of the 2017 House of Delegates motions, find the 2017 Post House Packet on the Hub, HoD community page, under Motions, House Reports, and Background Papers.

As well, the following officers were elected to the APTA Board of Directors:

**Treasurer**
Jeanine Gunn, PT, DPT

**Speaker**
Susan Griffin, PT, DPT, MS, GCS (Incumbent)

**Director**
Matthew Hyland, PT, PhD, MPA (Incumbent)
Sheila Nicholson, PT, DPT, JD, MBA (Incumbent)
Anthony DiFilippo, PT, DPT, Med, OCS
Cynthia Armstrong, PT, DPT, CHT (One-year term) Dr. Gunn was serving as a director and had one year left on her term. When she was elected Treasurer, a special election was required to fill the remaining one year of this term.

The Chief Delegate thanks the MPTA President, delegates, and PTA Caucus Representative for their dedicated service and time away from their family and work. New and seasoned delegates worked diligently and represented the Chapter well. The 2018 House of Delegates is scheduled for Orlando, FL. If you have any questions or comments about the House of Delegates, have any ideas for motions for 2018 or beyond, and/or have any candidates you would like to put forward for national office, please contact me at will4ct@cmich.edu
2017 PTA CAUCUS UPDATE
Gayle Wallace, PTA
MI Representative to the PTA Caucus

PTA Caucus & House of Delegates was held in Boston during the NEXT Conference in June. Physical Therapist Assistants from 42 states across the US engaged in networking to establish goals for increasing PTA activity within the APTA membership. The goal was set to increase APTA membership by 5% by 12/31/2017!

Justin Moore, PT, DPT, APTA CEO shared that “APTA isn’t just a collection of resources. It’s a place of engagement, a place that offers opportunities for professional growth, and a place that enables our collective voice to be heard. It’s an opportunity to better serve our patients and clients by fulfilling our individual potential, and the potential of our profession.”

I will be visiting PTA colleges in Michigan to speak with PTA students about our profession and benefits of being a member of the APTA. We all need to work together to increase our membership.

<table>
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<tr>
<th>Michigan (as of 12/31/16)</th>
<th>Nationally</th>
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<tr>
<td>Licensed PTs</td>
<td>7,703</td>
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<tr>
<td>PT Members of APTA</td>
<td>1,961 (25%)</td>
</tr>
<tr>
<td>Licensed PTAs</td>
<td>3,951</td>
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<tr>
<td>PTA Members of APTA</td>
<td>283 (7%)</td>
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Education: Advanced Proficiency Pathways (APP) for Physical Therapist Assistants is a valuable professional learning experience. Three PTAs in Michigan have completed the process and achieved their APP designation. Congratulations to the following! Traci Daniels and Agnieszka Dobek achieved Oncology APP and Gayle Wallace achieved Geriatric APP. All three clinicians work within the Beaumont Health System.

Advocacy: APTA Action App provides a link to your State Senator to provide input on issues involving our profession. We can and should be vigilant in informing our legislators on patient access to services while fulfilling our Vision 2020 where “physical therapists and physical therapist assistants consistently demonstrate core values by aspiring to and wisely applying principles of altruism, excellence, caring, ethics, respect, communication and accountability, and by working together with other professionals to achieve optimal health and wellness in individuals and communities.”

#BetterTogether PT’s and PTA’s working together

TENTATIVE SLATE OF CANDIDATES FOR 2017 ELECTIONS

Voting will begin September 15th

This slate was announced via email to all members in Mid August. Additional nominations were accepted until August 25. To see the final slate of candidates, please refer to the MPTA website.

Voting will begin on September 15. Please log in to the website to cast your ballot. If you do not have internet access or would prefer to vote by paper ballot, please notify the office at mpta@mpta.com and a paper ballot will be mailed to you.
Neil Armstrong said “Research is creating new knowledge”. As a physical therapy profession we are committed to our core values of professionalism and continued competence. The physical therapy profession recognizes the use of evidence-based practice as key to providing high-quality care and decreasing unwarranted variation in practice.

Therapists at Beaumont Health are committed to the APTA Vision 2020 by making the vision a reality in daily clinical practice.

**Vision Statement for Physical Therapy**

Physical therapy, by 2020, will be provided by physical therapists who are doctors of physical therapy and who may be board-certified specialists. Consumers will have direct access to physical therapists in all environments for patient/client management, prevention, and wellness services. Physical therapists will be practitioners of choice in patients'/clients' health networks and will hold all privileges of autonomous practice. Physical therapists may be assisted by physical therapist assistants who are educated and licensed to provide physical therapist directed and supervised components of interventions.

Guided by integrity, life-long learning, and a commitment to comprehensive and accessible health programs for all people, physical therapists and physical therapist assistants will render evidence-based services throughout the continuum of care and improve quality of life for society. They will provide culturally sensitive care distinguished by trust, respect, and an appreciation for individual differences.

While fully availing themselves of new technologies, as well as basic and clinical research, physical therapists will continue to provide direct patient/client care. They will maintain active responsibility for the growth of the physical therapy profession and the health of the people it serves.

The Beaumont Healthcare Physical Therapy research journey started with PT students seeking research advisors back in 2000. Over the years, PT's were mentored by professors from Oakland University (OU) physical therapy program and peers at Beaumont Health. The journey has been a rollercoaster but the outcome of research completion, presentation and publication in which a PT contributes to continued competence and evidenced based practice for our patients’ health, safety and well-being is priceless.

Over the past 15 years, Beaumont PT’s have partnered with Oakland University (OU) Physical Therapy Program. The physical therapists have served as research advisors for PT students along with the faculty advisors, co-researchers and subjects in research. This partnership has created mentoring for the students, clinicians and faculty. The team of researchers have also mentored Beaumont rehab technicians, our future PTs, by engaging them in the research studies.

The Beaumont Rehabilitation leadership team set a long term goal to assist front line staff to link their daily clinical practice into research. Beaumont Health Troy Hospital Medical Director John Maltese MD wanted to support the Beaumont Health Rehab Services vision and commitment to research. Dr. Maltese (Chair) and Janet Seidell PT, MPT (Co-Chair) joined forces to create the Rehab Services Research Committee in 2015. The committee brings together front line staff including physical therapists, occupational therapists, recreational therapists, speech language pathologists, residents and physicians from inpatient and outpatient settings. The committee members are serving as mentors for the front line staff as they begin their journey into clinical research and serves as the liaison between the IRB and the researchers.

The first step was selecting clinical staff who had an interest in research to serve as representatives to create a vision and a plan. Rehab services leaders partnered with Beaumont’s Institutional Review Board (IRB) so the committee could understand the expectations of our IRB and then begin CITI Training. At Beaumont Health, CITI Training is the recognized training that is necessary to engage in research. This takes 3-4 hours to complete and is a refresher course in basic research.
The next step was to compile all research completed in the past 5 years by Physical Medicine and Rehab Services. A survey was created and distributed to the committee representatives to obtain a baseline of the committee’s knowledge and experience with research. The next goal is for the representatives to distribute the survey to their clinical teams so the committee can assess our clinicians’ baseline background, knowledge level and interest in research.

Beaumont Health Rehab Services is proud of their recent accomplishments. In 2017, Beaumont researchers presented at CSM on “Growing and Sustaining a Cancer Rehab Program: Building a Foundation of Success” in addition to presentations at NEXT, MPTA Research Day, and MPTA Spring and Fall Conferences. Reyna Colombo PT, Director of Rehab Services at Beaumont Health Troy was the Invited Visiting Scholar for Oakland University PT’s Research Day. She spoke on PT’s role as clinical researchers adding value to our profession. Beaumont Rehab Tech and OU undergraduate, Amber Baldwin, was recognized by OU’s Honors College with her thesis regarding best practices for public policy in palliative care physical therapy.

Linking clinical practice to research has been a journey. Beaumont Physical Therapists’ passion and commitment to our patients and the profession keeps the journey going. Never underestimate the value of setting simplistic practical goals to make a vision a reality. Beaumont physical therapists and the leadership team are right on track for APTA Vision 2020.

**STATE FALL GAME 2017**

A wonderful volunteer opportunity to utilize our professional skills to serve a group of special athletes!!

Place: Canton Softball Center
46555 Michigan Ave. Canton
Date: September 30, 2017 (Saturday)
Time: 9am - 3:30pm (lunch will be provided)

Please contact Alice Wong or Lindsay Switzer by September 15, 2017 at: alice010411@gmail.com or lindsay.n.tyler@gmail.com
Beaumont Rehabilitation Services
2017 Board Certified Clinical Specialists

Meenakshi Chadha, PT, GCS
Amy V. Drean, PT, WCS, CLT
Anne Gladson, PT, DPT, PCS
Jamie Janes, PT, DPT, OCS
Michelle Kallil, BS, PT, NCS
Jay Kline, PT, DPT, GSC
Stephanie Kostsuka, PT, DPT, CCS
Stacey Lash, MPT, WCS, CDPT
Bridget Cindy Layton, PT, NCS
Alyssa Levin, PT, DPT, GSC
Lisa Odabachian, PT, MPT, RN, BSN
Renee Vatne, PT, MA, OCS
Courtney Witzak, PT, DPT, GCS

2017 Advance Proficiency Pathways Recognition in Oncology

Traci Daniels, PTA
Agnieszka Dobek, PTA, CLT

2017 Continuing Education Courses

Sept. 8–9  3rd Annual Oncology Symposium
Sept. 22–23  Introduction to NDT: Achieving Functional Outcomes for Adults with Hemiplegia
  Presented by Recovering Function
Sept. 23  Psychologically Informed Physical and Occupational Therapy for Chronic Pain
Sept. 24–25  Getting Faster Results: Managing the UE from an NDT Perspective (Part II)
  Presented by Recovering Function
Sept. 24–25  Getting Faster Results: Using NDT to Increase Challenge of the LE's and to Improve Gait (Part II)
  Presented by Recovering Function
Nov. 17–18  Talk Tools®: A Three Part Treatment Plan for Oral Placement Therapy
Dec. 2  2nd Annual Cardiopulmonary Symposium

To register or for more information, visit classes.beaumont.edu or contact lisa.miles@beaumont.org or 248-898-1988.

Beaumont
Join us Oct 13-14, 2017 for Research Day and Fall Conference at the Bavarian Inn in Frankenmuth, MI.

Friday’s agenda includes a pre-conference oncology course, poster and platform presentations of research by PTs, PTAs, and students in Michigan, educational sessions pertaining to in-patient rehab, geriatrics, and emergency care, as well as the Exhibit Hall and the annual Awards Dinner Banquet. The pre-conference oncology course has limited seating so register early.

On Saturday, earn up to 7 PDUs for relicensure including mandatory pain and human trafficking requirements.

There will be 8 different educational sessions offered, the MPTA annual Membership Meeting, Committee Roundtables during lunch, Delegates Meeting, Oncology SIG Meeting and the Exhibit Hall.

Early Bird Registration ends September 29th.

See you in Frankenmuth! Prost!

SEE THE COMPLETE CONFERENCE SCHEDULE ON NEXT PAGE >

Take your career to the next level—become an

APTA CREDENTIALED
CLINICAL INSTRUCTOR
at Macomb Community College

The Credentialed Clinical Instructor Program provides clinicians with the skills to provide a structured learning environment and enhanced educational experience for students.

Physical therapists and physical therapist assistants who successfully complete this course will receive a credential which verifies their status as an APTA-Credentialled Clinical Instructor (CI), as well as 1.6 Continuing Education Units (CEUs), which may be used to satisfy licensure renewal requirements.

Course cost: $249
Date & Time: November 4 & 5, 2017 • 8:30 am—3:30 pm
Location: Macomb Community College, Center Campus, Building R, Room 164

Sign up today:
Go to www.macomb.edu/webadvisor and click Noncredit/ConEd Students.
For more information: 586.228.4807
Email: healthcareers@macomb.edu

See the complete conference schedule on next page >
<table>
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<th>Time</th>
<th>Event</th>
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<td>7:30 AM</td>
<td>Registration Open for Pre-Con Course</td>
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| 8:00 AM  | Pre Con Course: Management of Balance Impairment and Falls in Cancer Survivors  
            Cindy Pfalzer PT, PhD, FACS, FAPTA, Jennifer Blackwood, PT, PhD, GCS, and Min Huang, PT, PhD, NCS  
            Room: TBD |
| 10:00 AM | Registration/Exhibit Hall Open and Poster Set Up for poster presenters (Rooms: Beethoven & Brahms) |
| 12:00 PM | Poster Judging/Viewing/Exhibit Hall Open                              |
| 12:45 PM | Break                                                                |
| 1:45 PM  | Orthopedics & Other Platform Presentations (4)  
            Room: TBD |
| 2:00 PM  | Neurologic & Pediatric Platform Presentations (4)  
            Room: TBD |
| 3:00 PM  | Various Topics Platform Presentations (4)  
            Room: TBD |
| 3:00 PM  | Brain                                                          |
| 3:15 PM  | Knowledge translation: IP Rehab  
            Nora Fritz PhD, PT, DPT, NCS  
            Amy Yorke PT, PhD, NCS  
            Suzanne Trojanowski PT, DPT, NCS  
            Room: TBD |
| 4:15 PM  | Functional Benchmarks for the Care Planning Across the Geriatric Continuum of Care.  
            Holly Lookabaugh-Deur, Dsc, PT; GCS; Certified Exercise Expert for Aging Adults  
            Room: TBD |
| 4:15 PM  | Early Intervention and Referral for Patients in the Emergency Center  
            Stephanie Kostsucia PT, DPT  
            Room: TBD |
| 4:30 PM  | Break                                                                |
| 5:30 PM  | Award Dinner Banquet – Tickets Required                             |

**Sat Oct 14**

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<th>Time</th>
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<tr>
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| 8:00 AM  | Delegates Meeting  
            7am-7:55am |
| 9:15 AM  | Oncology SIG  
            Meeting  
            7am-7:55am |
| 9:15 AM  | Break                                                                |
| 9:30 AM  | Medicare, Medically Necessary Physical Therapy Documentation  
            Mary Sue Gardner, RN/BSN  
            Room: TBD |
| 11:30 AM | “The Movement System: Where are we headed as a Profession?”  
            Barb Hoogenboom, PT, EdD, SCS, ATC  
            Room: TBD |
| 12:00 PM | Pediatric Orthopedic Injuries and Rehabilitation Considerations  
            Paul Jankowski, PT, MPT, OCS  
            Room: TBD |
| 12:00 PM | Non-arthritic Anterior Hip Pain in the Younger Patient: Examination and Intervention Strategies  
            Melodie Kondratek, PT, DScPT, OMPT  
            Bryan Kuhlman, PT, DPT, OMPT  
            Room: TBD |
| 12:00 PM | Break / Exhibit Hall                                                |
| 12:45 PM | Payment/Legislative Roundtable                                      |
| 1:00 PM  | Membership Roundtable                                              |
| 1:00 PM  | Communications Roundtable                                          |
| 1:00 PM  | Exhibit Hall Open                                                  |
| 2:00 PM  | Break                                                                |
| 2:00 PM  | Increasing Quality Within the Acute Care Setting: Practical Application of Tests and Measures and Other Novel Approaches to Elevate your Practice  
            Edward Mathis, PT, DPT and Suzanne Trojanowski, PT, DPT, NCS  
            Room: TBD |
| 2:00 PM  | Pain Science, Movement, and Manual Therapy – A Foundational Course  
            Leonard Van Gelder DPT, ATC, TPS, CSCS  
            Room: TBD |
| 2:00 PM  | The relevance of pelvic physical therapy in mainstream P.T. practice  
            Bruce LeBrecque RN, PT  
            Room: TBD |
| 2:00 PM  | Physical Therapy Considerations for the Hypermobile Patient  
            Laura Fisher PT, DPT, OCS, John Kravic PT, DPT, and David Johnson PT, MS, OCS  
            Room: TBD |
| 2:00 PM  | Identification of Victims of Human Trafficking  
            Holly Lookabaugh - Deur, PT, DSc, GCS and Jake Jakubiak Kobacek, PT  
            Room: TBD |
| 2:10 PM  | Break                                                                |

**Saturday Oct 14**

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Welcome to Fall, Eastern District members! We have been busy planning events for the fall and welcome you to join us at our courses and other events. Innovation in practice and research has been evident throughout many areas of the Eastern District ranging from the innovative teaching and research practices coming out of the PT/PTA schools in the District to unique approaches to practice including the provision of outpatient services in the home, wellness, and cash based PT practices. I encourage you to consider the networking opportunities offered at the MPTA Fall Conference to learn more about the great things that are occurring in our District and State. The Eastern District plans to bring some innovative speakers and topics for continuing education courses this fall.

First, the District will collaborate with Oakland University to host the annual PT month educational event October 5th offering a free 1-hour lecture provided by Dr. Sujay Galen PT, PhD, FHEA, Associate Professor of Physical Therapy from Wayne State University. As a physical therapist with a PhD in bioengineering, Dr. Galen is an engaging speaker known for his work in movement analysis, functional electrical stimulation, and non-invasive transcranial brain stimulation. The event will begin at 6 p.m. with networking/light refreshments until 6:30, followed by an Eastern District meeting from 6:30-7 and Dr. Galen’s talk will begin shortly thereafter. The registration link will be available at mpta.com after September 1st and the courtesy of an RSVP is required as space is limited.

Next, on October 19th, the District welcomes physical therapist, Earllaine Croarkin PT, NCS, from the National Institutes of Health in Bethesda, MD to Michigan to bring her engaging course on peripheral neuropathy, appropriate footwear, and falls. Ms. Croarkin has presented at state and national courses and provides information which can be used immediately in clinical practice. The course will be held at University of Michigan – Flint from 6:00-8:30 pm (2 CPD credits pending). Registration/networking with light refreshments will occur between 6-6:30 with the course beginning at 6:30. In honor of PT Day of Service and in alignment with the topic of the course, the District will be accepting donations of new socks during this event for distribution at a local homeless shelter. This course is free for MPTA members. Cost for non-members (PT/PTA) is $40 payable by check to MPTA. Students who are not MPTA members may attend for the cost of $20 or one package of socks.

Lastly, the District is excited to offer a 6-hour course entitled “Protecting the Pelvic Floor in Female Patients: Review for Non-Women’s Health PTs” by Dr. Karen Litos, P, DPT, WCS on November 11th at the University of Michigan – Flint (CPD approval pending). Dr. Litos is well-known in the physical therapy women’s health arena and has recently performed educational courses on this topic in Japan. This engaging course is not to be missed as it will be relevant for all physical therapists/ PTAs, not just those whose practice focuses on women’s health issues. Registration will be available after September 1st. Cost: $20 for MPTA members, $120 for non-members (PT/PTA), or $30 for non-member PT/PTA students. A continental breakfast and lunch will be provided. As an innovative way to use funds to support PT research efforts in Michigan, the proceeds for this course will be donated by the Eastern District to the MPTA Institute for Education and Research.

Space is limited for all courses so register early through mpta.com after September 1st. For more information on all of these events and to register for the courses go to the MPTA webpage or ‘like’ the MPTA Eastern District facebook page.

Just a reminder- be sure to VOTE for the leadership of MPTA. As we continue to plan events for the District, if you would like to host a meeting or serve as an educational speaker for a meeting, please contact one of the district leaders. We welcome you to future meetings and look forward to getting to know you as an engaged MPTA member!

With health care delivery and payment evolving at an astounding rate, the physical therapy profession must get comfortable with innovation both in research and in practice. The APTA took a step forward this spring toward developing new opportunities for innovation. At the 2017 meeting of the APTA House of Delegates, the House passed RC 8-17, which charges the APTA’s Board of Directors to explore models of “innovation centers”. This could include potential partnerships within or outside of healthcare, or incubator-like models where new ideas are tested and then brought to market.

The Northern District looks forward to keeping our members up-to-date with important innovative trends in
physical therapist practice. This fall, we are pleased to be sponsoring two LIVE continuing education events to help our members stay current with innovative practice.

**MOVEMENT MATTERS: Creative and Innovative Treatment Interventions For Difficult To Move Patients Using Safe Patient Handling Technologies**
Saturday, September 23, 2017 8:00am to 5:00pm
Central Michigan University, 1200 S Franklin St, Mt Pleasant, MI 48859
7.5 Contact Hours Approval # CEUL011912

**Practical Pain Science: A Course Focused On Educating Therapists On Modern Understandings Of Pain And How to Apply It Immediately To Clinical Practice.**
November 11, 2017 Traverse City, MI

For more information on Northern District sponsored courses and to register, please visit https://mpta.com/events/

The UP District will have completed their first UP Summer Summit by the time you read this. Please check out our Facebook page for highlights from this event. We hope you could join us for the networking, education and fun summer activities celebrating Michigan’s magnificent UP.

We are now beginning the planning stages for 2018 programming. Do you have a topic that you would like to present to the district? We are now accepting submissions for our 2018 UP Summit. Please let us know if you are interested!

Innovation is taking over healthcare. It is inspiring to see the cycle of innovation based on research which leads to further innovation. Within the Western district, Kineticore is teaching local courses focused on dry needling for myofascial treatment, an innovative practice based in history with strong research supporting its use in pain management. Spectrum Health is currently displaying innovation in practice by employing Physical Therapists in Emergency Departments in an effort to provide immediate access to care as well as reduce cost. Research is also being performed in the area of joint replacement with the intent to provide the highest quality of care. The very first Spectrum Health Rehab Symposium was a success with over twenty interdisciplinary poster presentations to peruse and a multidisciplinary panel discussion.

Private practice locations such as the Center for Physical Rehabilitation and Generation Care are offering a variety of wellness programs including youth strength and conditioning camps, community running nights, and bike-fit seminars to get people of all ages moving this summer.

Mary Free Bed (MFB) PTs are performing research spanning several topics including High-Intensity Interval Training applied to patients after CVA and aerobic exercise in patients with brain tumors. MFB PTs were recently featured in the local news providing early intervention for a patient with Cerebral Palsy.

Innovation that is supported by high-powered research is the type of innovation we want to promote among our members. The Western District is driven by innovation and it only gets better from here.

Mark your calendars!

The Western District will be hosting the annual MPT-PAC fundraiser at the home of MPTA Director of Academic Relations Meri Goehring on Sunday September 10, 2017 from 1-5 pm. 2100 Omena Drive (the street sign says Avenue) SE, Grand Rapids, MI 49506. All of the food and drink will be donated by our hosts and a wonderful BBQ will be served.

Suggested donation is $30 per member which includes spouse. Children are welcome if supervised by a parent. Suggested student donation is $5. All donations over $100 will receive special recognition on our Facebook page and in Shorelines.

Register for this event by going to the MPT-PAC page www.mptpac.org and make a donation for the event. In the line where you insert your name, please also include "WD FR" for Western District Fundraiser after your name so we know you are registering for this event.
The MPTA Institute for Education and Research is looking forward to the MPTA Fall Conference Research Day on Friday, October 13th. This is a great opportunity to support your Michigan colleagues in their research endeavors and to further your knowledge in the field of physical therapy through exposure to recent evidence-based practice. Come join us for the poster and platform presentations!

MPTA Institute Member Highlight:

Bonni Kinne, PT, DHSc is an associate professor (and the academic coordinator of clinical education) in the department of physical therapy at Grand Valley State University. She received a bachelor’s degree in biomedical sciences from Western Michigan University, a master’s degree in exercise science from Western Michigan University, a master’s degree in physical therapy from Grand Valley State University, and a doctoral degree in health sciences from A. T. Still University. Her research interests primarily lie in the area of vestibular rehabilitation, and she currently serves as treasurer of the MPTA Institute for Education and Research. How has the MPTA Institute impacted you as a professional?

During each of the past five MPTA Fall Conferences, I have received an outstanding poster award. I feel honored to have received these awards, especially considering the “competition”. I highly encourage each of you to attend the MPTA Fall Conference Research Day. I know that you’ll be extremely impressed by the physical therapy research being disseminated in the state of Michigan, both by clinicians and by students. Hope to see you there.

Generation Care is now offering a totally practical and meaningful way for geriatric-focused therapists to earn all 24 PDR’s starting in the FALL of 2017.

- 4 hours per month; $75/session; plus optional guided articles reviews!
- Wednesdays: 1230 pm – 5 pm; Grand Haven, MI
- September 2017: Predictive vs Pathological Aging and Its Impact on Function: Musculoskeletal System
- October 2017: Predictive vs. Pathological Aging and Its Impact on Function: Neurological System I
- November 2017: Predictive vs Pathological Aging and Its Impact on Function: Neurological System II

For more information, email: hollyld@generationcare.org today!!
Andrews University Promoting Evidence And Education

Bill Scott PT, MSPT
Director of Clinical Education

Andrews University Department of Physical Therapy graduated 37 Doctors of Physical Therapy on August 6, 2017. We wish them the very best as they become the future of our profession. Congratulations to Professor Gregory Almeter, DScPT, OCS, Orthopedics Coordinator on the completion of his DScPT degree.

We welcome the Class of 2020 to our campus as well as our Post Professional program candidates working on their transitional DPT and DScPT.

Professor Caryn Pierce, PT DScPt(C), JSCC, BCSI, MTC and Professor William Scott MSPT, DCE have received notice that they will be presenting a platform presentation at the 2017 Education Leadership Conference at the Hyatt Regency in Columbus, OH October 13-15, 2017.

Andrews University received notice that our program accreditation has been reaffirmed by the Commission On Accreditation In Physical Therapy Education (CAPTE). We appreciate all of our clinical faculty, alumni and students that assisted us in "making the grade" for the next 10 years.

This year we have had several faculty publish, present in their area of expertise and contribute to the profession in research.

Dr. Kimberly Ferreira was published in The Section of Women’s Health, American Physical Therapy Association. S. Clinton, DSCPT, Newell, PT, P.A. Downey, PhD, DPT K. Ferreira PT, PhD. Pelvic Girdle Pain in the Antepartum Population: Physical Therapy Clinical Practice Guidelines Linked to International Classification of Functioning, Disability, and Health From the Section on Woman’s Health and the Orthopedic Section of the American Physical Therapy Association. May/August 2017.

Dr. Sozina Katuli was published in the European Journal of Sport Studies. Her article was titled: Age at Menarche in Congolese Women: Relative importance of Determinants Linked to Physical Activity and Family Structure.

Dr. David Village PT, DHSc was published in the Journal of Allied Health. D. Kipp PT, DScPT D. Village PT DHSc K. Edwards MD. Effectiveness of Evenup™ Shoe-Lift Among Individuals Prescribed a Walking Boot. Summer 2017

Professor Caryn Pierce PT DScPt(C), JSCC, BCSI, MTC Pam Carter SDPT, Lyla Coto SDPT, Caroline Rybicki SDPT, and John Taylor SDPT presented and were well received at the Performing Arts Medicine Association (PAMA) conference June 29-July 2 in Aspen Colorado. They presented their research. "The Effects of Scapular Posture and its Association with Playing-Related Pain in Violinists and Violist”

Central Michigan University
Innovate in Education, Outreach and Global Learning

J. Tim Zipple, PT, DSc

The CMU DPT Program graduated our 21st cohort in May with our Annual Research Colloquium and commencements. This 2017 cohort of 12 students graduated from our collaborative distance learning satellite at Michigan Technological University (MTU). Our Class of 2020 cohort began classes a week later. Our newest faculty member, Dr. Cam Williams, is settling in as our MTU Site Director in Houghton, MI. His wealth of experience as Program Director and Dean at Finlandia University is a welcome infusion of managerial prowess in Houghton.

At the 2017 NEXT Conference in Boston, MA, Dr. Elizabeth Mostrom was awarded the prestigious Catherine Worthingham Fellows award by the APTA. Dr. Mostrom’s expertise in qualitative research in the areas of patient-practitioner interaction, clinical education and professional learning and education, as well as her service to MPTA and APTA leadership and governance were noticed by state and national colleagues. She is a contributing author of several textbooks on teaching and learning, which are used in DPT programs nationwide.
We are so proud of Elizabeth and her accomplishments as she continues to serve as a regional coordinator of clinical education for the CMU DPT Program. During the spring semester at CMU, Dr. Elaine Betts and Program Director Dr. Deb Silkwood-Sherer took a group of 22 students to Ireland for an elective course in hippotherapy and expanded cultural awareness. Additionally, in early July, Dr. Betts took a group of 5 students to Cape Town, South Africa to attend the World Confederation of Physical Therapy (WCPT). They travelled a great distance to experience this phenomenal ‘meeting of the minds’ with therapist from around the world and to visit clinical sites in the Cape Town region. Dr. Betts presented her research "Gaming System Versus Traditional Balance Training Methods Post Ankle Injury: A Comparative Study of Effectiveness", as published in the meeting proceedings. The study investigated the use of gaming systems as an alternative to traditional balance training in patients with ankle injuries. A highlight of the trip was the cultural experience of going on safari.

The 2nd and 3rd year DPT students at the Mt. Pleasant and Houghton campuses developed a dynamic, fun fitness class for people with Parkinson’s Disease called "MOVE! for Health" that met once weekly through the Spring and Summer semesters. Participants engaged in evidence-based exercise principles focusing on high amplitude, high intensity, aerobic conditioning for 60 minutes each week. This class is completely run by the students with supervision from neuro faculty member, Dr. Jamie Haines in Mount Pleasant and Dr. Caroline Gwaltney in Houghton. The students learned how to develop a weekly exercise program, educate their participants, adapt exercises on the spot and engage in activities with all ranges of abilities and ages. Our community members and caregivers so appreciated the effort and enthusiasm the students brought while developing leadership skills, applying classroom knowledge, improving critical thinking skills, and assessing improvements gained by the participants. It was a fantastic addition to the CMU DPT program and another way to serve our local communities.
Look for Dr. Jamie Haines, along with 2002 CMU PT Program graduate Jennifer McIlvaine, MSPT and Margaret Arnold, PT to teach a course entitled ‘Movement Matters’ with Safe Patient Mobility Equipment on September 23rd, 2017 at Central Michigan University (MPTA approved PDRs).

Program Director Dr. Deb Silkwood-Sherer completed a yearlong blended learning program designed to develop innovative and influential leaders in PT education. The Education Leadership Institute (ELI) Fellowship, sponsored by the APTA, Education Section, Academic Council, and PTA Educators Special Interest Group, awarded her certificate in July 2017.

And finally, DPT students from all three cohorts at CMU performed fitness assessments for athletes participating in the Special Olympics of Michigan Summer Games in early June. Third-year student Margaret Taylor, SPT did a great job organizing this opportunity!

Mount Pleasant students, faculty and patients in the ‘MOVE! for Health’ educational program about deep brain stimulation

Mount Pleasant students and patients participating in the boxing component of the ‘MOVE! for Health’ Program

Oakland University & Community Partners Collaborate For Innovative Research
Beth Black, PT, DSc

The academic and clinical faculty and students at Oakland University continue to pursue a very active research agenda by conducting, presenting and publishing research on a variety of clinical practice topics and professional and educational issues. A number of Oakland University faculty and students presented their research at educational sessions, platform presentations and poster presentations at the 2017 American Physical Therapy Association Combined Sections Meeting in San Antonio, TX. The Sports Physical Therapy, Education, Oncology, Cardiopulmonary, and Orthopedic Sections sponsored their various presentations.

- Professor Chris Wilson and clinical research collaborator Reyna Colombo presented “Growing and sustaining a cancer rehab program: building a foundation for success”.
- Professors Deb Doherty and Sara Arena, along with students Emma Claucherty and Sheena Moore presented “Primary malignant cardiac tumors: A literature review of angiosarcomas”.
- Professor Jackie Drouin, students Cecily Ciaramitaro, Katherine Hebert, Caitlin Williams and Oakland University Exercise Science Professor Dr. Charles Marks presented the Oncology Section programming “Aerobic exercise training effects on resting vital signs in African American and Caucasian women following breast cancer treatment”.
- Professor Sara Arena and former students Alicia Ratza, Matthew Rolf and Nicole Schlagel presented the Cardiopulmonary Section sponsored presentation “Blood pressure attitudes, practice behaviors and knowledge among outpatient physical therapists”.
- Professors Kris Thompson and Chris Stiller presented “Perceptions of physical therapy students and faculty about graduate assistantships in an entry-level program” within the Education Section programming.

We congratulate our many faculty and student presenters at CSM!

Oakland students Sheena Moore, Emma Claucherty, alumnus Kodie Krzys, students Cecily Ciaramitaro, Caitlin Williams and Katherine Hebert presented at CSM 2017
Oakland University’s annual research day was held on May 19th and provides an opportunity for our third year students to present their research projects. Our visiting scholar this year was Reyna Colombo, the Director of Rehabilitation at Beaumont Hospital Troy. In her keynote address “Research: An Agent toward Value Based Care in Rehabilitation” she shared her experiences with helping to establish a vibrant research program at Beaumont and provided the third year students with advice on how to initiate clinical research programs at their future sites of employment.

Oakland University professors Kris Thompson and Chris Stiller presented at CSM 2017

A number of research studies are currently underway at Oakland University. A description of Professors Sara Arena and Chris Wilson’s project on a home-based program for at-risk older adults appears elsewhere in this newsletter.

- Professor Jackie Drouin is examining the validity and utility of a positioning device for lathe operators to prevent neck and back injuries.
- Jackie is also working with an international group to identify best practice in the PT assessment and treatment of musculoskeletal graft vs. host diseases among individuals with cancer treated with stem cell transplants.
- Professor Beth Black and Gwynn Waters, Vice President Programs, Education, and Research at Team Rehab are pilot testing a Physical Therapy Healthy Lifestyle Appraisal Questionnaire at 13 Team Rehab clinics and will be combining their data with data collected by Dr. Janet Bezner at Texas State University and Dr. MarySue Ingman at St. Catherine University in Minneapolis.
- Beth is also working with David Costello, Assistant Director, Physical and Occupational Therapy – Beaumont Royal Oak on a Beaumont/Oakland University collaborative project that is investigating the experiences and opinions of physical therapists who use the patient-centered Shared Decision-Making model of treatment planning.
- Professors Melodie Kondratek, Chris Stiller, Sheri Brown and Jacqueline Scully, along with the Dean of the School of Health Sciences, Dr. Kevin Ball have started a study to evaluate the effect of bike riding on individuals post CVA. The study team is using specially designed bikes made by Trivel that allow participants to safely cycle. Oakland University welcomes ideas for collaborative research projects with our clinical partners as we seek to ensure our research agenda continues to answer clinically important questions for our professional community.

Every fall, the faculty begin their planning for new research projects. If you have an idea for a collaborative research project or want information including subject recruitment for current studies, please e-mail Professor Beth Black at bblack@oakland.edu

Oakland University Home Health Prevention Study

By Megan Adams, SPT, Oakland University

Oakland University (OU) faculty members Dr. Sara Arena and Dr. Chris Wilson are spearheading a study on the effects of preventative physical therapy in the home health setting. This study is focusing on optimizing the physical health and fitness of senior citizens who are at future risk for physical decline and becom-
ing homebound. OU has partnered with the Auburn Hills Senior Center to identify seniors who may be at risk for physical decline triggering a direct access referral for physical therapy services. This is the first physical therapy direct access model examining prevention practice in the home health care setting nationally.

This study is supported by a $23,000 Health Innovation Grant Award from the Michigan Department of Health and Human Services (MDHHS) with OU making an in-kind match of $10,419. OU is the only university among 33 Michigan-based organizations and institutions to receive funding via the 2017 Health Innovation Grant. “One of the requirements of a state of Michigan Health Innovation Grant is that you have a project that could be expanded to include the rest of the state down the road,” said Dr. Sara Arena. “As part of getting this award, we had to include in our application how it could be expanded, so I think that would be our ultimate goal.”

The study is presently in phase 2 which includes 30 seniors and three licensed physical therapists who are providing the intervention including six visits of physical therapy, a home exercise program, a blood pressure monitor and a FitBit activity monitor so that the participants are able to track their activity throughout the day. “As physical therapists, we’ve seen patients who didn’t have the resources they needed or the continuity of care,” Dr. Wilson said. “The outcomes aren’t great when seniors wait for care. Knowing we can do something to change that through our program makes a big difference. We can keep someone out of the hospital or keep them from breaking a hip. That’s a great impact.”

**Forward Momentum Through Research and Innovation at University of Michigan - Flint**

*Karen Berg PT, DPT*

Research and innovation are strong focuses in the University of Michigan – Flint Physical Therapy Department as our updated mission statement above reflects. The forward momentum utilizing community partners, simulations, intraprofessional experiences, and interprofessional experiences in a number of different courses provides hands on learning opportunities for students. Some of the faculty research interests are listed below. Please feel free to contact the faculty member directly if you are interested in teaming up in research or innovation.

- Dr. Bara Alsalaheen and his colleagues at Michigan Medicine began enrollment in a randomized controlled clinical trial to examine if vestibular physical therapy improve recovery outcomes in post-concussion patients. Dr. Alsalaheen can be reached at alsalahe@umflint.edu
- Dr. Ryan Bean is researching the reliability of the cervical joint position error test in the adolescent athletic population and how age, gender, and BMI effect performance. Dr. Bean can be reached ryanbean@umflint.edu
- Dr. Bara Alsalaheen and Dr. Ryan Bean are investigating the role of cervical muscles size, strength and neuromuscular activation patterns in reducing head-neck response to impulsive loads, and its implications on concussion risks.
- Dr. Min Huang and Dr. Jennifer Blackwood, along with emeriti professor, Dr. Cindy Pfalzer, have been working with big data to examine risk factors for falls and balance impairments in older cancer survivors using a national sample from the National Cancer Institute’s Surveillance, Epidemiology, and End Results survey with linkage to the Medicare Health Outcomes Survey. Results of this venture have been published in interprofessional oncology journals. Dr. Blackwood can be reached jblackwo@umflint.edu Dr. Huang can be reached at mhhuang@umflint.edu
- Dr. Karen Berg and her colleagues at Wayne State University and Grand Valley State University are evaluating DPT student interprofessional collaboration behaviors in their intermediate and final clinical experiences across a variety of settings at 3 Michigan universities. Dr. Berg can be reached at karberg@umflint.edu
- Dr. Karen Berg and Dr. Erica Sherman along with nursing faculty at UM-Flint are analyzing confidence in interprofessional communication between DPT student and DNP students. Dr. Sherman can be reached at ericashe@umflint.edu
- Dr. Allon Goldberg is currently investigating genetic variants in the Angiotensin Converting Enzyme (ACE) gene and physical performance measures in community-dwelling older adults. His hypothesis is that physical performance will differ among the various genotypes of the ACE gene. Dr. Goldberg can be reached at jllong@umflint.edu
- Dr. Leslie Smith is focusing on interprofessional education and simulations. She recently was accepted for publication of “Simulated Interprofessional Education Discharge Planning Meeting to Improve Skills Necessary for Effective Interprofessional Practice” in the Professional Case Management Journal. She is always looking for clinicians to play the role of patients during simulations. If anyone is interested in playing the role of a standardized patient in a simulation please contact Dr. Smith at jjlacy@umflint.edu
- Dr. Amy Yorke is currently involved in several research studies. A key focus of her work is graduate physical therapy students, including leadership development, attitudes and behaviors, interprofessional education, and practice based learning. Besides this work, Dr. Yorke has developed a recent interest in knowledge translation within neurological physical therapy. Dr. Yorke can be reached at amyroke@umflint.edu
• Dr. Susan Talley is currently involved in several research studies as well. One study focuses on community dwelling older adults looking at the relationships between measures of physical performance, fall risk and fear of falling. The other studies are related to the scholarship of teaching and learning and include topics on developing leadership practices in entry level DPT students, civility in the classroom in physical and occupational therapist education and defining entry level performance for students in their final clinical internships. Dr. Talley can be reached at susantal@umflint.edu

• Dr. Chad Tiernan is studying the association between gait and health in the older adult. His hypothesis is that gait variability will be associated with health and function in older adults. Within 2 months he will be recruiting community-dwelling older adults (65 and older) able to ambulate independently across a room. If you have a potential subject please email Dr. Tiernan. He is also studying the impact of obesity on motor behavior in children with and without disabilities. Dr. Tiernan can be reached at chadwt@umflint.edu

• Dr. Cathy A. Larson is engaged in on-going research includes examining 1) kinematic and muscle activity for healthy as compared to individuals with SCI while walking using an exoskeleton (collaboration with Drs. Galen and Pardo (WSU) and Shelly Denes (RIM) and 2) use of surface EMG while DPT students learn Manual Muscle Testing (with Josh Wenzlaff, DPT student). New projects include examining rhythmic auditory pacing embedded in music during gait for individuals post-stroke in collaboration with Edward Roth (Western Michigan University) and Michael Crinion (DPT student). Dr. Larson is also examining the safety and efficacy of wheelchair cushions in promoting healing of pressure ulcers for individuals post-stroke and SCI with Drs. Leslie Smith, PT and Nancy Vandewiele Milligan, OT. Dr. Larson is recruiting subjects for the new projects. If you have any individuals post-stroke and/or SCI that reside within driving distance to Flint, please call the UM-Flint PT department (810-762-3373) or contact Dr. Larson at clarson@umflint.edu

Wayne State University Research Highlights
Sujay Galen PT, PhD, Joseph A. Roche, PhD, and Jennifer Dickson, PT, DPT, OMPT

The healthcare landscape in the United States and in the State of Michigan is rapidly evolving, and Wayne State University continues to live up to its mission to prepare students to be successful physical therapists through exemplary education, innovation, research, and community engagement. Our strong research agenda is built upon active collaborations with healthcare networks and clinicians in the region. Over the past year we have also built research collaborations with the industry to develop the technologies of the future for our patients and clinicians. Research led by faculty in our program focuses on three main themes:

2. Scholarship of teaching and learning to enhance student experience and promote learning.
3. Industry partnerships to promote innovation and research in developing the technologies of the future.

2016-2017 Research Highlights from WSU PT

• The inaugural Physical Therapy research symposium was held on May 8, 2017, sharing information with over 80 clinicians from our partnering medical centers, WSU alumni, faculty and students. Dr. Fabrisia Ambrosio, Associate Professor at the University of Pittsburgh, physical therapist, and pioneer in the field of Regenerative Rehabilitation research, provided the keynote address. Nine student presentations were also delivered over two parallel sessions.

• Faculty and students have collectively published more than 30 peer-reviewed manuscripts.

• Students from the DPT class of 2016 were provided travel scholarships to present their research at both state and national level meetings. Four student groups presented their research at the annual MPTA fall conference and the combined sections meeting of APTA, and one student group gave a platform presentation at the combined sections meeting. Overall, there were 12 presentations from Wayne State University.

• WSU Physical Therapy faculty have received over 1 million dollars in research funding in the past year from the National Institutes of Health, Department of Defense, State of Michigan, Detroit Medical Center Foundation and National Multiple Sclerosis Society.

Clinic and community-based interventions to improve patient’s functional outcomes

Drs. Joseph Roche and Sujay Galen have received a $100,000 grant from the National Institutes of Health, to perform pilot studies to determine if muscle-generating cells present in donor skeletal muscle tissue can produce new muscle fibers when implanted into host mouse muscle. The research will also test if neuromuscular electrical stimulation increases donor cell-mediated muscle fiber formation. This line of research is anticipated to eventually help rebuild lost muscle tissue in patients with non-lethal muscular dystrophies.

The WSU PT program has recently joined the International Consortium for Regenerative Rehabilitation (ICRR). The
ICRR educates, trains and brings scientists and clinicians together from across the domains of regenerative medicine and rehabilitation science, with the objective of creating new knowledge, therapies, strategies and technologies that improve or restore function and enhance the quality of life of our patients. Drs. Joseph Roche and Moh Malek have been invited to serve on the leadership council of this consortium.

Dr. Nora Fritz has been awarded a 1-year, $40,000 pilot grant from the National Multiple Sclerosis Society for her project entitled "Development and Efficacy of a Telephone-Delivered Physical Activity Intervention for Multiple Sclerosis Fatigue". The pilot grant program provides funding to test novel high-risk research ideas, to help gather data to support long-term funding and clinical translation. The Neuroimaging and Neurorehabilitation Lab, led by Dr. Fritz, has several research studies currently underway, and is recruiting individuals with Multiple Sclerosis to participate in research studies examining movement, cognition and fatigue, and individuals with Huntington's Disease to participate in research studies examining movement, cognition, and wearable sensors. Please contact nnlwsu@gmail.com or (313)577-3495 if you can refer participants.

Scholarship of teaching and learning to enhance student experience and promote learning
In addition to research focusing on interventions, several faculty at WSU have current research agendas which focus on student experience and/or learning in graduate education.

Dr. Fredrick Pociask recently completed the last of 4 planned research studies investigating learning effectiveness and student attitudes of asynchronous web-based blended learning within the physical and occupational therapy curriculum. These studies were completed across three years and funded by a 2015 Special Topics Faculty Research Award, which involves a $10,000 grant from Wayne State University’s Eugene Applebaum College of Pharmacy and Health Sciences.

Drs. Jennifer Dickson and Sara Maher, and Professor Kristina Reid are in the penultimate year of a 3-yr study comparing the effects of immediate and delayed feedback on learning and retention of knowledge throughout a graduate level course. A poster presentation of the completed pilot study will be presented later this year at the APTA Education Leadership Conference in Columbus, OH.

Industry partnerships to promote innovation and research in developing the technologies of the future
WSU currently engages with four different industrial partners working with faculty in our program on various research projects. Two student groups led by Drs. Sujay Galen and Vicky Pardo presented their research with NuStep, an Ann Arbor based company at the combined section meeting in San Antonio Texas in February 2017. The research studied the effect on seat position on muscle recruitment while subjects exercise using the NuStep. Dr. Galen and Dr. Pardo have received a $80,000 grant from NuStep Inc. and State of Michigan to perform more exploratory studies with the NuStep. If you are interested in participating in any of the research, please contact either Dr. Pardo av6281@wayne.edu or Dr. Galen sujay.galen@wayne.edu

Drs. Marie Pepin and Sujay Galen have an ongoing industrial collaboration with an Australian company called Dorsa VI, who have developed body worn technology that can objectively measure and provide feedback on the kinematics of human movement both at home and in the clinic.

On May 8, 2017, the DPT Program at Wayne State University held its inaugural Research Symposium. Fabrisia Ambrosio, PT, PhD, Associate Professor, University of Pittsburgh, was the invited guest and keynote speaker. Pictured - Dr. Ambrosio (center) with the DPT faculty.

Dr. Samantha Schuknecht (Class of 2016), presenting a poster as a student investigator at the Combined Sections Meeting of the APTA (San Antonio, TX, February 2017).

Drs. Alegra Devour and Robin Coolsaet (Class of 2016), presenting research as student investigators at the Combined Sections Meeting of the APTA (San Antonio, TX February 2017).
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