

Sara A. Scholtes, PT, DPT, PhD

Program in Physical Therapy
School of Education and Health Sciences
North Central College
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Updated: November, 2020

EDUCATION

- | | |
|------|---|
| 2019 | Education Leadership Institute Fellowship
American Physical Therapy Association |
| 2009 | Doctor of Philosophy in Movement Science
Washington University in St. Louis
St. Louis, MO |
| 2004 | Doctor of Physical Therapy
Washington University in St. Louis
St. Louis, MO |
| 2001 | Bachelor of Arts in Biology
Luther College
Decorah, IA |

LICENSURE INFORMATION/REGISTRATION NUMBER

- | | |
|------|--|
| 2020 | Physical Therapist
Illinois Department of Financial and Professional Regulation
License #070025267
Valid through September 30, 2022 |
| 2004 | Physical Therapist
Missouri State Board of Registration for the Healing Arts
License #2004020799
Valid through January 31, 2022 |

EMPLOYMENT AND POSITIONS HELD

- | | |
|--------------|---|
| 2020-Present | Founding Director, Doctor of Physical Therapy Program
Chair, Department of Physical Therapy
Professor of Physical Therapy
School of Education and Health Sciences
North Central College
Naperville, IL |
| 2017-2019 | Chair, Krannert School of Physical Therapy |

Director, Doctor of Physical Therapy Program
Associate Professor of Physical Therapy, Tenure Track
College of Health Sciences
University of Indianapolis
Indianapolis, IN

2012-2017 Assistant Professor, Tenure Track
Program in Physical Therapy
Department of Physical Therapy and Athletic Training
Doisy College of Health Sciences
Saint Louis University
St. Louis, MO

2009-2012 Assistant Professor, Tenure Track
School of Physical Therapy and Rehabilitation Science
College of Health Professions and Biomedical Sciences
University of Montana
Missoula, MT

2004-2009 Graduate Student, Research Assistant
Movement Science Program
Program in Physical Therapy
Washington University in St. Louis
St. Louis, MO

2004-2009 Physical Therapist
Cerebral Palsy Sports and Rehabilitation Center and Therapy Services
St. Louis Children's Hospital
St. Louis, MO

PEER REVIEWED PUBLICATIONS

*Indicates student

Manuscripts

- 2020 **Scholtes SA**, Salsich GB. Consistency of dynamic knee valgus kinematics and pain across functional tasks in females with patellofemoral pain. Accepted: *Int J Sports Phys Ther*.
- 2019 Di Staulo, AM, **Scholtes SA**, Salsich GB. A descriptive report of the variability in 3D hip and knee kinematics during a single limb squat in women who have patellofemoral pain and visually classified dynamic knee valgus. *Physiother Theory Pract*. 2019;doi: 10.1080/09593985.2019.1698082. [Epub ahead of print]
- 2017 **Scholtes SA**, Salsich GB. A dynamic valgus index that combines hip and knee angles: Assessment of utility in females with patellofemoral pain. *Int J Sports Phys Ther*. 2017;12(3):333-340.
- Scholtes SA**, Khoo-Summers L, Damico KJ. Presentation and management of arthrofibrosis of the knee: A case report. *Physiother Theory Pract*. 2017;22(10):815-824.

- 2013 **Scholtes SA**, Norton BJ, Gombatto SP, Van Dillen LR. Variables associated with performance of an active limb movement following within-session instruction in people with and people without low back pain. *Biomed Res Int*. 2013;2013:867983. doi: 10.1155/2013/867983
- Chimenti RLP, **Scholtes SA**, Van Dillen LR. Activity characteristics and movement patterns in people with and people without low back pain who participate in rotation-related sports. *J Sport Rehabil*. 2013;22:161-169.
- 2010 **Scholtes SA**, Norton BJ, Lang CE, Van Dillen LR. The effect of within-session instruction on lumbopelvic motion during a lower limb movement in people with and people without low back pain. *Man Ther*. 2010;15(5):496-501. doi: 10.1016/j.math.2010.05.003
- 2009 **Scholtes SA**, Gombatto SP, Van Dillen LR. Differences in lumbopelvic motion between people with and people without low back pain during two lower limb movement tests. *Clin Biomech*. 2009;24(1):7-12. doi: 10.1016/j.clinbiomech.2008.09.008
- 2008 Gombatto SP, Norton BJ, **Scholtes SA**, Van Dillen LR. Differences in symmetry of lumbar region passive tissue characteristics between people with and people without low back pain. *Clin Biomech*. 2008;23(8):986-995. doi: 10.1016/j.clinbiomech.2008.05.006
- 2007 **Scholtes SA**, Van Dillen LR. Gender-related differences in prevalence of lumbopelvic region movement impairments in people with low back pain. *J Orthop Sports Phys Ther*. 2007;37(12):744-753. doi: 10.2519/jospt.2007.2610

PUBLISHED ABSTRACTS OF PEER-REVIEWED PRESENTATIONS

*Indicates student

- 2018 *Lehman SL, **Scholtes SA**. Can children with cerebral palsy decrease movement impairments during a functional task? *Pediatr Phys Ther*. 2018;30:E33-34. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, New Orleans, LA, February, 2018.
- 2017 *Lehman S, Hickey SK, Miros JE, **Scholtes SA**. Heart Rate Zone Analysis of Children with Cerebral Palsy who Attend an Adapted Sports Camp. *Phys Ther*. 2017;29:E25-E26. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, San Antonio, TX, February, 2017.
- 2016 **Scholtes SA**, *Fischer LM, Miros JE, Hickey SK. Does attendance at an adapted sports camp increase activity levels in children with cerebral palsy? *Pediatr Phys Ther*. 2016;28:E6. Platform Presentation, Combined Sections Meeting of the American Physical Therapy Association, Anaheim, CA, February, 2016.
- Hickey SK, Miros JE, **Scholtes SA**. Effects of a 4 week intensive sports camp experience on a 17-year-old male with cerebral palsy. *Pediatr Phys Ther*.

2016;28:E25. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Anaheim, CA, February, 2016.

- 2015 *Fischer LM, **Scholtes SA**, Salsich GB. Relationships between single limb squat, stair descent, and pain in females with patellofemoral pain. *J Orthop Sports Phys Ther*. 2015;40:A139. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Indianapolis, IN, February, 2015.

Scholtes SA, *Long J, *Morgeau S, *Velez M, *Warner H, *Wechsler, A, *Hammill C, Ikeda E. A pilot study comparing forces during walking using a cane versus trekking poles in people with lower extremity pain. *J Orthop Sports Phys Ther*. 2015;40:A95. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Indianapolis, IN, February, 2015.

- 2014 **Scholtes SA**, Salsich GB. Ability to detect change in single-leg squat movement patterns following instruction in females with patellofemoral pain using 2-dimensional motion analysis methods. *J Orthop Sports Phys Ther*. 2014;40:A153. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Las Vegas, NV, February 2014.

Salsich GB, Graci V, **Scholtes SA**. The dynamic knee valgus index discriminates between females with and without patellofemoral pain and between movement conditions. *J Orthop Sports Phys Ther*. 2014;40:A26. Platform Presentation, Combined Sections Meeting of the American Physical Therapy Association, Las Vegas, NV, February 2014.

- 2010 **Scholtes SA**, Norton BJ, Gombatto SP, Van Dillen LR. The relationship between lumbopelvic motion displayed during active and passive hip lateral rotation in people with and people without low back pain. *J Orthop Sports Phys Ther*. 2010;40:A82. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, San Diego, CA, February 2010.

Scholtes SA, Norton BJ, Gombatto SP, Van Dillen LR. Prediction of ability to modify lumbopelvic motion in people with and people without low back pain. *J Orthop Sports Phys Ther*. 2010;40:A36. Platform Presentation, Combined Sections Meeting of the American Physical Therapy Association, San Diego, CA, February 2010.

- 2009 Moreau NG, Stanley C, Teefey S, Miros J, **Scholtes SA**, Brunstrom-Hernandez J, Damiano DL. Muscle Plasticity in Children with Cerebral Palsy in Response to Intensive Activity: A Pilot Study. *Dev Med Child Neurol*. 2009;51(s5):17. Platform Presentation, American Academy for Cerebral Palsy and Developmental Medicine 63rd Annual Meeting, Scottsdale, AZ, September, 2009.

Scholtes SA, Lang CE, Van Dillen LR. The effect of within session instruction on lumbopelvic motion during an active limb movement. Preliminary results. *J Orthop Sports Phys Ther*. 2009;39:A90. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Las Vegas, NV, February 2009.

Meroni R, **Scholtes SA**, De Vito G, Van Dillen LR. Lumbopelvic motion with rocking back in quadruped: A comparison of three different populations. *J Orthop Sports Phys Ther*. 2009;39:A83. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Las Vegas, NV, February 2009.

*Porter RL, **Scholtes SA**, Van Dillen LR. Differences in characteristics of people with and people without low back pain who participate in rotation-related sports. *J Orthop Sports Phys Ther*. 2009;39:A86. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Las Vegas, NV, February 2009.

2008 **Scholtes SA**, Gombatto SP, Van Dillen LR. Gender differences in Timing of lumbopelvic movement during the clinical test of active knee flexion. *J Orthop Sports Phys Ther*. 2008;38:A69. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Nashville, TN, February 2008.

Gombatto SP, **Scholtes SA**, Norton BJ, Van Dillen LR. Differences in passive tissue characteristics of the lumbar region during trunk lateral bending between people with and people without low back pain. *J Orthop Sports Phys Ther*. 2008;38:A63. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Nashville, TN, February 2008.

2007 **Scholtes SA**, Gombatto SP, Collins DR, Sahrmann SA, Van Dillen LR. Differences in lumbopelvic movement during knee flexion in prone between people with and without low back pain. *6th World Congress on Low Back and Pelvic Pain*. 2007;343-344. Poster Presentation, World Congress on Low Back and Pelvic Pain, Barcelona, Spain, November 2007.

Scholtes SA, Gombatto SP, Van Dillen LR. A system for measuring passive tissue stiffness and extensibility of the hip. *J Orthop Sports Phys Ther*. 2007;37(1):A61. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Boston, MA, February 2007.

Miros JE, Kottmeier SE, **Scholtes SA**, Herndon KP, D'Aquila AM, Brunstrom JE. A pilot study of the effect of a fitness class on adolescents with cerebral palsy. *Pediatr Phys Ther*. 2007;19(1):98. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, Boston, MA, February 2007.

2006 **Scholtes SA**, Gombatto SP, Collins DR, Sahrmann SA, Van Dillen LR. A Pilot study of the effect of impairment-based exercise on kinematics with trunk lateral bending in people with low back pain. *J Orthop Sports Phys Ther*. 2006;36(1):A56-A57. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, San Diego, CA, February 2006.

Scholtes SA, Sahrmann SA, Van Dillen LR. Gender-related differences in prevalence of lumbar region impairments in people with low back pain: A secondary analysis. *J Orthop Sports Phys Ther*. 2006;36(1):A56.

Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, San Diego, CA, February 2006.

Gombatto SP, Zou D, Sahrmann SA, **Scholtes SA**, Van Dillen LR. Contributions of trunk passive tissue stiffness to passive trunk lateral bending in people classified into different low back pain subgroups. *J Orthop Sports Phys Ther*. 2006;36(1):A39. Poster Presentation, Combined Sections Meeting of the American Physical Therapy Association, San Diego, CA, February 2006.

PEER REVIEWED SCIENTIFIC AND PROFESSIONAL PRESENTATIONS (Those not previously cited above under abstracts)

*Indicates student

National/International

- 2021 Haladay DE, **Scholtes SA**, Flom-Meland CK, Reicherter AE. Reframing Perspectives of Educational Leaders: Autobiographies During a Pandemic. Accepted to American Education Research Association 2021 Annual Meeting.
- 2020 *Bliss RA, **Scholtes SA**, Shultz ST, Jensen GM, Gillette C. Can Student Self-Reflection Improve? Exploring the Implementation of a Guided Self-Reflective Intervention. *J Phys Ther Educ*. Platform Presentation, Combined Sections Meeting of the American Physical Therapy Association, Denver, CO, February 2020.
- 2019 Kluding PM, Flom-Meland CK, **Scholtes SA**, Haladay DE, Dale, RB, Vitente A. ELI Leadership Projects: TED-like Talks from Emerging Faculty Leaders. Educational Session, Educational Leadership Conference of the American Physical Therapy Association, Bellevue, WA, October 2019
- 2018 Bemis-Dougherty A, Earhart GM, **Scholtes SA**, Ludewig PM. Incorporating the Movement System Into Education and Research. Accepted for an Educational Session, NEXT 2018, American Physical Therapy Association, Orlando, FL, June 2018.
- 2017 Carzoli J, Amber SB, Crandell CE, **Scholtes SA**. Moving the movement system to the forefront of physical therapy education. Educational Session, NEXT 2017, American Physical Therapy Association, Boston, MA, June, 2017.
- Scholtes SA**, Ikeda E. PTs as human movement system experts: Transforming DPT curriculum. Educational Session, Combined Sections Meeting of the American Physical Therapy Association, San Antonio, TX, February, 2017.
- 2015 **Scholtes SA**, Ikeda E. Integrating the human movement system into DPT curriculum: Building a movement-based foundation for physical therapy students. Educational Session, Educational Leadership Conference of the American Physical Therapy Association, Baltimore, MD, October 2015.
- 2013 Levenhagen KM, **Scholtes SA**. Creating a multi-dimensional learning community using Wikispaces. Platform Presentation, Combined Sections

Meeting of the American Physical Therapy Association, San Diego CA, January, 2013.

- 2011 Gombatto SP, Sahrman SA, **Scholtes SA**. Hip and low back interactions in patients with low back pain. Educational Session, Combined Sections Meeting of the American Physical Therapy Association, New Orleans, LA, February 2011.
- 2010 **Scholtes SA**, Khoo-Summers L. Complicated patient session: Arthrofibrosis. Platform Presentation, Combined Sections Meeting of the American Physical Therapy Association, San Diego, CA, February 2010.
- 2008 **Scholtes SA**, Gombatto SP, Van Dillen LR. Differences in lumbopelvic motion between people with and people without low back pain during active hip lateral rotation in prone. Platform Presentation, Marilyn Gossman Seminar, Combined Sections Meeting of the American Physical Therapy Association, Nashville, TN, February 2008.

Regional/Local

- 2015 Hickey SE, Miros JE, **Scholtes SA**. Effects of a 4 week intensive sports camp experience on a 17-year-old male with cerebral palsy. Poster Presentation, Missouri Physical Therapy Association Spring Conference, St. Louis, MO, April 2015
- Scholtes SA**, *Fischer LM, Miros JE, Hickey SE. How active are children with cerebral palsy who attend an adapted sports camp? 2015 Pediatric Science Day, Saint Louis University, St. Louis, MO, April 2015.
- Scholtes SA**, *Fischer LM, Miros JE, Hickey SE. Does attendance at an adapted sports camp increase activity levels in children with cerebral palsy? Poster Presentation, Missouri Physical Therapy Association Spring Conference, St. Louis, MO, April 2015. 2015 MPTA Noteworthy Poster.
- 2006 **Scholtes SA**. A pilot study of the effect of impairment-based exercise on kinematics with trunk lateral bending in people with low back pain. Poster Presentation, Graduate Student Research Symposium, Washington University in St. Louis, St. Louis, MO, April 2006.

NON-PEER REVIEWED PUBLICATIONS

*Indicates student

- 2015 **Scholtes SA**, Hickey SK. Does Camp Independence increase activity in children with cerebral palsy? *Pediatric Perspectives: Advancing Patient Care Services at St. Louis Children's Hospital*. 2015;Fall:8-9.

NON-PEER-REVIEWED PRESENTATIONS

*Indicates student

Regional/Local

- 2017 *Lehman S, **Scholtes SA**. Can Children with Cerebral Palsy Decrease Movement Impairments After Instruction During a Functional Task? Research Seminar, Department of Physical Therapy and Athletic Training, Saint Louis University, St. Louis, MO, March, 2017.
- 2015 **Scholtes SA**, Hickey SE. How Active Are Children with Cerebral Palsy Who Attend an Adapted Sports Camp? 9th Multidisciplinary Research & EBP Conference Advancing Excellence in Pediatric Health Care, St. Louis Children's Hospital, St. Louis, MO, September 2015.
- 2014 Miros JE, **Scholtes SA**, Hickey SE. Caring for the Child with Cerebral Palsy; What is in our Community? Pediatric Special Interest Group Meeting, St. Louis Children's Hospital, St. Louis, MO, December, 2014.
- Scholtes SA**. Effects of a sports camp on physical factors in children with cerebral palsy: A preliminary report. Research Seminar, Department of Physical Therapy and Athletic Training, Saint Louis University, St. Louis, MO, October 2014.
- 2013 Levenhagen KM, **Scholtes SA**. Conversations on Teaching: The Clinical Teaching Wiki. Reinert Center for Transformative Teaching and Learning's Conversation Series, Saint Louis University, St. Louis, MO, April 2013.
- 2012 **Scholtes SA**. Movement Analysis in Children with Cerebral Palsy. Research Seminar, Department of Physical Therapy and Athletic Training, Saint Louis University, St. Louis, MO, November 2012.
- 2011 **Scholtes SA**. Hip and low back interactions in patients with low back pain. Movement System Retreat, St. Louis, MO, March 2011.
- 2010 **Scholtes SA**. Arthrofibrosis. Educational Course, Montana Chapter of the American Physical Therapy Association Winter Meeting, Fairmont Hot Springs, MT, January 2010.
- 2007 **Scholtes SA**. Differences in lumbopelvic motion during limb movements between people with and people without low back pain. Program seminar, Washington University in St. Louis, St. Louis, MO, October 2007.
- Scholtes SA**, Kottmeier SE, Miros JE. Effects of a fitness class on adolescents with cerebral palsy. Oral Presentation, Allied Health and Nursing Conference, St. Louis Children's Hospital, St. Louis, MO, April 2007.
- Scholtes SA**. Update: Ongoing movement impairment research. Movement System Retreat, Washington University in St. Louis, St. Louis, MO, February 2007.
- 2006 **Scholtes SA**. Gender differences in prevalence of lumbar region movement impairments in people with low back pain. Program Seminar, Washington University in St. Louis, St. Louis, MO, October 2006.

Scholtes SA. Copyright law and the classroom. Program Seminar, Washington University in St. Louis, St. Louis, MO, May 2006.

FUNDED/IN REVIEW GRANT ACTIVITY

Past Activity, Funded:

- | | |
|------------|---|
| 1/16-12/16 | Irma Ruebling Endowed Research Fund
<i>Project:</i> Exploration of Movement Retraining in Children with Cerebral Palsy
<i>Amount:</i> \$1200
<i>Role:</i> Principal Investigator |
| 3/14-12/17 | St. Louis Children's Hospital Collaborative Faculty-Staff Grant
<i>Project:</i> Pilot Study to Examine the Effects of an Intensive Day Treatment Program in a Sports Camp Format on Physical and Psychosocial Factors in Children and Young Adults with Cerebral Palsy
<i>Amount:</i> \$4,500
<i>Role:</i> Principal Investigator
Collaborators: Hickey SE, Miros JE. |
| 9/08-8/09 | Foundation for Physical Therapy, Promotion of Doctoral Studies II Scholarship
<i>Amount:</i> \$15,000
<i>Role:</i> Principal Investigator |
| 9/07-8/08 | Foundation for Physical Therapy, Promotion of Doctoral Studies II Scholarship
<i>Amount:</i> \$15,000
<i>Role:</i> Principal Investigator |
| 9/06-8/07 | Foundation for Physical Therapy, Promotion of Doctoral Studies I Scholarship
<i>Amount:</i> \$7,500
<i>Role:</i> Principal Investigator |
| 9/06-8/07 | Doctoral Scholarship, Missouri Physical Therapy Association
<i>Amount:</i> \$750
<i>Role:</i> Principal Investigator |
| 9/04-8/05 | Foundation for Physical Therapy, Mary McMillan Scholarship
<i>Amount:</i> \$5,000
<i>Role:</i> Principal Investigator |

Past Activity, Not Funded:

- | | |
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| 2013 | Saint Louis University, President's Research Fund
<i>Project:</i> The relationship between proprioception and ability to alter a movement pattern in females with and females without patellofemoral pain.
<i>Requested amount:</i> \$15,527
<i>Role:</i> Principal Investigator
<i>Collaborator:</i> Salsich GB |
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CURRENT/ACTIVE RESEARCH ACTIVITY

Project: Pilot Study to Examine the Effects of an Intensive Day Treatment Program in a Sports Camp Format on Physical and Psychosocial Factors in Children and Young Adults with Cerebral Palsy
Collaborators: Hickey SE, Miros JE, Fischer LM, Lehman SL
Funding: Externally funded, funding cycle complete
Status: Data Collected
Dissemination: Manuscript in Process: *Fischer LM, Hickey SK, Miros JE, **Scholtes SA**. Activity levels in children with cerebral palsy attending an intensive day treatment program in a sports camp format. Submitted to *Pediatr Phys Ther*, rejected, currently in revision.

Project: Exploration of Movement Retraining in Children with Cerebral Palsy
Collaborators: Lehman SL
Funding: Internally funded, funding cycle complete
Status: Data Collected
Dissemination: Presented as poster, CSM 2018
Potential for Case Series

PROFESSIONAL ORGANIZATIONS/HONOR SOCIETY MEMBERSHIPS

2015-2017 Member, Alpha Eta Society, Saint Louis University Chapter
2020-Present Member, Alpha Eta Society, North Central College Chapter
The national scholastic honor society for the allied health professions

2001-Present Member, American Physical Therapy Association
Orthopedic (2001-), Sports (2001-2013), Research (2004-2014),
Pediatrics (2012-2018), and Education (2014-) Sections

2001-Present Member, Phi Beta Kappa Honor Society, Luther College Chapter
Oldest honor society for the liberal arts and sciences

SERVICE

Professional

2020 Manuscript Reviewer, Health Professions Education

2019 Session Moderator, Educational Leadership Conference of the American Physical Therapy Association, Bellevue, WA, October 2019

2015-Present Manuscript Reviewer, Clinical Biomechanics

2014-Present Abstract Reviewer, Orthopedic Section, Combined Sections Meeting, American Physical Therapy Association

2013-Present Manuscript Reviewer, Physiotherapy Theory and Practice

2013 Manuscript Reviewer, Gait and Posture

2012-Present Manuscript Reviewer, Manual Therapy

2012 Manuscript Reviewer, Sports Health
2011 Manuscript Reviewer, Orthopedic Research and Reviews
2010-Present Manuscript Reviewer, Journal of Orthopaedic and Sports Physical Therapy
2010-Present Manuscript Reviewer, Physical Therapy Journal
2009 Manuscript Reviewer, Industrial Health

Institution

2020-2021 Member, Library Task Force, North Central College
Member, Graduate Academic Standing Committee, North Central College
2020-2021 Secretary, Faculty Wellness Committee, North Central College
2018-2019 Member, University Assessment Committee, University of Indianapolis
2018-2019 Member, Worker's Compensation Safety Committee, University of Indianapolis
2015-2017 Faculty Representative, Board of Trustees Academic Affairs Committee, Saint Louis University
2014 Participant, University-wide Undergraduate Student Learning Outcomes Rubric Workshop, Saint Louis University
2010-2011 External Member, Faculty Search Committee, Health and Human Performance Department, University of Montana

College/School

2020-2021 Member, Interprofessional Education Committee, School of Education and Health Sciences North Central College
2020 Chair, Faculty Search Committee for Nutrition and Wellness Program Director School of Education and Health Sciences, North Central College
2017-2019 Member, Curriculum Committee, College of Health Sciences, University of Indianapolis
2015-2017 Member, Doisy College Education Council, Doisy College of Health Sciences, Saint Louis University
2013-2015 Member, Academic Grievance Committee, Doisy College of Health Sciences, Saint Louis University

Department

- 2019 Chair, Search Committee, Krannert School of Physical Therapy, Doctor of Physical Therapy Program, University of Indianapolis
- 2012-2015 Member, Research Committee, Department of Physical Therapy and Athletic Training, Saint Louis University
Interim Committee Chair: 4/2015-6/2015

Program

- 2020-2021 Chair, Faculty Search Committee for Director of Clinical Education, Doctor of Physical Therapy Program, School of Education and Health Sciences, North Central College
- 2020-2021 Chair, Faculty Search Committee for General Faculty Position, Doctor of Physical Therapy Program, School of Education and Health Sciences, North Central College
- 2018-2019 Chair, Curriculum Committee, Krannert School of Physical Therapy, Doctor of Physical Therapy Program, University of Indianapolis
- 2018-2019 Member, Admissions Committee, Krannert School of Physical Therapy, Doctor of Physical Therapy Program, University of Indianapolis
- 2015-2017 Chair, Curriculum Committee, Program in Physical Therapy, Saint Louis University
- 2014-2017 Member, Curriculum Committee, Program in Physical Therapy, Saint Louis University
- 2013-2014 Member, Faculty Search Committee, Program in Physical Therapy, Saint Louis University
- 2012-2016 Member, Student Outcomes Survey Committee, Program in Physical Therapy, Saint Louis University
- 2010-2012 Chair, Curriculum Committee, School of Physical Therapy and Rehabilitation Science, University of Montana
- 2010-2012 Member, Faculty Evaluation Committee, School of Physical Therapy and Rehabilitation Science, University of Montana
- 2010-2012 Member, Sports Residency Committee, School of Physical Therapy and Rehabilitation Science, University of Montana
- 2009-2012 Co-Director, Movement Science Laboratory, School of Physical Therapy and Rehabilitation Science, University of Montana
- 2009-2012 Member, Academics Requirement Committee, School of Physical Therapy and Rehabilitation Science, University of Montana

- 2009-2012 Member, Student Selection Committee, School of Physical Therapy and Rehabilitation Science, University of Montana
- 2009-2010 Member, Faculty Search Committee, School of Physical Therapy and Rehabilitation Science, University of Montana
- 2009-2010 Member, Curriculum Committee, School of Physical Therapy and Rehabilitation Science, University of Montana
- 2006-2007 Member, Graduate Student Senate, Washington University Graduate School of Arts & Sciences

Community

- 2018-2019 Volunteer Licensed Physical Therapist, Indiana University Student Outreach Center, University of Indianapolis Representative
- 2014-2017 Volunteer Licensed Physical Therapist, Health Resource Center Pro Bono Physical Therapy Clinic, Saint Louis University
- 2014 Volunteer Licensed Physical Therapist, Camp Independence, Saint Louis Children's Hospital, St. Louis, MO
- 2014 Presenter, Science of the Circus Event, Spring 2014 Circus Flora/Academy of Science, St. Louis, MO,
- 2010-2012 Developer/volunteer, LEAP (Learn Exercise and Play) Program, Sponsored by the University of Montana School of Physical Therapy and Rehabilitation Science
- 2009 Volunteer, Community Medical Center Senior Health Fair, Missoula, MT

HONORS AND AWARDS

- 2004 Steven J. Rose Research Award, Program in Physical Therapy, Washington University in St. Louis
- 2002 Scholars in Physical Therapy Award, Program in Physical Therapy, Washington University in St. Louis

CONTINUING EDUCATION ATTENDED

- 2020 American Physical Therapy Association NEXT Conference and Exposition, Virtual, June 2020.

Sessions Attended:

Worthingham Fellows Forum: Educating Physical Therapists for the Next Century

Why an Annual PT Checkup Should and Could Be a Service Your Clinic Offers. APTA Learning Center, May 2020

Mastering Non-Verbal Cues, North Central College, February 2020

Commission on Accreditation in Physical Therapy Education (CAPTE) Self-Study
Workshop, Denver, CO, February 2020

American Physical Therapy Association Combined Sections Meeting, Denver, CO,
February, 2020

Sessions Attended:

Student Performance Assessment in the Clinical Learning Environment:
Taking the Leap From CPI to CIET

Academy of Physical Therapy Education Platform Presentation 2
A Single Bout of Aerobic Fitness Testing Impacts Short-Term
Visual Memory in DPT Students

Can Student Self-Reflection Improve? Exploring the
Implementation of a Guided Self-Reflective Intervention

Collective Effort Towards Cultural Responsiveness in Physical
Therapist Education: A Case Report

Comparison between the Traditional and Modified Online and
Laboratory Learning in Clinical Neuroscience Course

Enhancing Interprofessional Simulation with Teamstepps Training

Integrating the Movement System in the Doctor of Physical
Therapy Curricular Design: A Paradigm Shift

Leveraging a Student Run Free Clinic, Translating Evidence into
Practice

Move Over Millennials, iGen Is Here! Multigenerational Cohorts:
Opportunities for Teaching, Mentoring, Evaluation, and Innovation

Deja Vu All Over Again, or Moving in the Right Direction? Revisiting
Cerasoli Lectures

Evaluation and Treatment of the Shoulder Girdle of Aerial Artists From a
Movement Systems Perspective

Exploring Leadership and Excellence in Physical Therapist Education:
Blazing a Research Path

North Central College Annual Training, January 2020
Bloodborne Pathogens Exposure Prevention

Child Abuse: Mandatory Reporting

Email and Messaging Safety

Hazard Communication: Right to Understand

Implicit Bias and Microaggression Awareness

Sexual Harassment: Staff-to-Staff

Title IX and Sexual Misconduct

Workplace Violence: Awareness and Prevention

2019 University of Indianapolis Annual Training, December 2019
Drugs and Alcohol at Work

Harassment and Discrimination Prevention

Checkpoint: Data Security & Privacy

Commission on Accreditation in Physical Therapy Education (CAPTE) Self-Study
Workshop, Bellevue, WA, October 2019

Educational Leadership Conference of the American Physical Therapy Association,
Bellevue, WA, October 2019

Session Attended:

American Council of Academic Physical Therapy (ACAPT) and Academy
of Physical Therapy Education (APTE) Hot Topics Open Forum

6th Annual Geneva R. Johnson Forum on Innovation in Physical Therapy
Education PART I – Transforming Relationships to Meet the Needs of
Patients and Care Providers

Let's Start at the Very Beginning: A Step-By-Step Process for Creating a
Hybrid Course

ACAPT Business Meeting: Part 1 & Part 2

CAPTE/FSBPT (Federation State Board of Physical Therapy) Forum

Oxford Debate

Collaboration or Cheating? Creating Environments to Support Learning
and Assessment

Peer-Assisted Learning: DPT Students As Learners, Peer Teachers, and
Curriculum Development Partners

American Physical Therapy Association Combined Sections Meeting, Washington, DC,
January, 2019

Sessions Attended:

Leaky Pipelines and Revolving Doors: Why Diversity and Inclusion in
Physical Therapy Seem Elusive

Exploring Signature Pedagogy in Physical Therapy: Concepts and Cases

Quantifying Noncognitive Traits of Learners in a Holistic Admissions Review

Competency-Based Education: Exploring Opportunities for Our Future

The Pauline Cerasoli Lecture: Developing Habits of the Heart

Case-Based Clinical Reasoning: Integration for Learners Across a Continuum

2018 University of Indianapolis Annual Training, December 2018
FERPA Basic

Drugs and Alcohol at Work

Harassment and Discrimination

Managing Bias

Do We Need More Viewpoint Diversity? Faculty Learning and Design Studio, University of Indianapolis, Indianapolis, IN, November, 2018.

American Physical Therapy Association Education Leadership Conference, Jacksonville, FL, October 12-14, 2018.

Sessions Attended:

ACAPT Open Forum: Hot Topics in PT Education and Leadership

The Geneva Johnson Forum on Innovation in Physical Therapy Education: Key Note Address: Leadership in a Rapidly Changing World

Intentional Analysis of Your Leader Self-Efficacy

ACAPT Business Meeting

CAPTE/FSBPT Forum

New Administrator's Workshop

Leadership Skills as an Essential Competency: A Missing Link in DPT Education

American Physical Therapy Association NEXT Conference and Exposition, Orlando, FL, June 27-30, 2018.

Sessions Attended:

Incorporating the Movement System into Education and Research

49th Mary McMillan Lecture: Wisdom and Courage: Doing the Right Thing

Integrating the Movement System into Practice, Developing Diagnoses, and Movement Analysis

ACE Leadership Academy, University of Indianapolis, Indianapolis, IN, May 30-31, 2018.

American Physical Therapy Association Combined Sections Meeting, New Orleans, LA, February, 2018.

Sessions Attended:

Entry-Level Competencies From APTA Academies: Resources to Guide Curriculum

Expanding Diversity in the Profession Through Purposeful Admissions Practices

Assessment to Inform DPT Program Outcomes: Accreditation to Program Excellence

The Pauline Cerasoli Lecture: Coddwomple

What every PT Student Needs to Know About Pain Neuroscience Education

Screen Capture Made Easy, Faculty Learning and Design Studio, University of Indianapolis, Indianapolis, IN, February, 2018.

Decrease Effort, Increase Outreach: Using Emails in WebAdMIT. WebAdMIT training webinar. January, 2018.

2017 Interprofessional Education Collaborative, Fall 2017 Interprofessional Education Institute, Long Beach, CA, October 18-20, 2017.

American Physical Therapy Association NEXT Conference and Exposition, Boston, MA, June 22-24, 2017.

Sessions Attended:

Direct Ordering of Diagnostic Imaging by Physical Therapists

Oxford Debate

American Physical Therapy Association Education Leadership Conference, Columbus, OH, October 13-15, 2017.

Sessions Attended:

ACAPT Open Forum: Hot Topics in PT Education and Leadership

Making the Case for Holistic Admissions: Perspectives from Dentistry (ADEA), Medicine (AAMC), and Nursing (AACN)

New Administrator's Workshop

CAPTE/FSBPT forum

The Jar of Truthiness: Developing Leaders with Integrity

How Fast Are You Running to 'Keep in the Same Place'? Using Evidence-Based Learning Strategies to Free PT and PTA Curricula from the 'Red Queen's Trap'

The Use of Technology in PT/PTA Education

American Physical Therapy Association Combined Sections Meeting, San Antonio, TX, February, 2017.

Sessions Attended:

Human Movement: The Basis for Development of Clinical Reasoning Skills

Moving Forward With the Movement System: Let's Work Together

Movement Diagnosis in Neurologic Physical Therapy: Where Are We?

PTs as Human Movement System Experts: Transforming DPT Curriculum

Visual Analysis of Movement: How Do We Use What We See?

2016 Satisfying Accreditation Requirements Through Assessment Item Categorization Webinar. ExamSoft. July, 2016.

Civic Learning & Democratic Engagement Meeting, Indianapolis, IN, June, 2016

Sessions Attended:

Open Plenary: CivEd Talks

Connecting the Dots: Why We Need to Care about Civic Learning On and Off of College Campuses

A brief History of U.S. Democracy, 2016-2046

Beyond the Bar Graph: Using Alternative Visual Media to Explore Economic Inequality

Morning Plenary: Politically Speaking, Indianapolis Edition: Religious Freedom vs. LGBT Rights in Indiana

Civic Engagement for All: CIVC 101 as a Required Course for Every First-year Student

General Interest Session: Creating Pathways to Student Success Through International Service

General Interest Session: Engaging Students in Efforts to End Injustices to Native Americans in Whiteclay Nebraska

General Interest Session: Roadtrip Nation: Define Your Own Road

Closing Plenary: Fostering Campus Climates for Political Learning & Engagement

Citizenship Under Siege: Finding Common Ground Amidst Fractious Differences

Where Teaching Meets Copyright. Reinert Center for Transformative Teaching and Learning, Saint Louis University, St. Louis, MO, March 2016.

Washington University Musculoskeletal Retreat, Washington University in St. Louis, St. Louis, MO, February, 2016

American Physical Therapy Association Combined Sections Meeting, Anaheim, CA, February, 2016

Sessions Attended:

Practicality of Wearable Technology in Physical Therapy

Thoughtful Leadership: The Quiet Leader, and Leading the Quiet

Education Section Platform Presentations I

Educating Students with Physical Disabilities: Challenges and Successes

Pauline Cerasoli Lecture: Unflattening

Educational Research in Physical Therapy: The Good, the Bad, and the Future

Thinking Critically, Thinking Creatively about Teaching. Reinert Center for Transformative Teaching and Learning, Winter Institute. Reinert Center for Transformative Teaching and Learning, Saint Louis University, St. Louis, MO, January 2016.

2015 American Physical Therapy Association Education Leadership Conference, Baltimore, MD, October 2015

Sessions Attended:

Keynote: 2nd Annual Forum on Innovation in PT Education, The Voices of PT Education: Orchestrating Tibre, Tempo, and Dynamics

Moving Beyond the Traditional Flipped Learning Classroom to a Flipped Learning Environment

Platform Session 1: Updates in Clinical Education

Platform Session 2: Studies in Clinical Readiness

Angst-Free (Or At Least Angst-Reduced) Academic Writing. Faculty Writing Fellows Workshop, Office of Academic Affairs, Saint Louis University, St. Louis, MO, April, 2015

Teaching with Technology Forum: Using Technology to help Create, Manage, and Evaluate Collaborative Learning Projects. Reinert Center for Transformative Teaching and Learning, Saint Louis University, St. Louis, MO, March, 2015

Building Scholarship Teams. Faculty Writing Fellows Workshop, Office of Academic Affairs, Saint Louis University, St. Louis, MO, March, 2015

Washington University Musculoskeletal Retreat, Washington University in St. Louis, St. Louis, MO, March, 2015

American Physical Therapy Association Combined Sections Meeting, Indianapolis, IN, February, 2015

Sessions Attended:

Transforming and Optimizing: How to Live the New APTA Vision

The 16th Linda Crane Lecture - Integrity: At the Heart of our Profession

Team-Based Learning as the Signature Pedagogy in a DPT Curriculum

Cerasoli Lecture: Innovative Curricular Models for Physical Therapy Education

A Case Study of Integrated Curricular Design

Winter Institute: Teaching Today's Students in Multiple Formats. Reinert Center for Transformative Teaching and Learning, Saint Louis University, St. Louis, MO, January, 2015

2014 Effective Teaching Seminars: Promoting Higher Order Thinking. Reinert Center for Transformative Teaching and Learning, Saint Louis University, St. Louis, MO, October 2014

Washington University Musculoskeletal Retreat, Washington University in St. Louis, St. Louis, MO, March, 2014

American Physical Therapy Association Combined Sections Meeting, Las Vegas, NV, February, 2014

Sessions Attended:

PhD Directors Dialogue II

Research Section Moderated Platform Presentations 1: Marilyn Gossman
Graduate Student Research Seminar

Proper Transitioning to Barefoot/Minimal Footwear Running

Pediatric Section Platform Presentations 2

Low Back Pain: Revisiting the 'Core' of the Problem with a 'Hip' Solution

Training in Grantsmanship for Rehabilitation Research. Chapel Hill, NC, January 2014

2013 Wisdom and Eloquence: Constructing and Delivering Engaging Lectures, Saint Louis University, St. Louis, MO, September, 2013

Faculty Academic Portfolio Retreat, Saint Louis University, St. Louis, MO, April, 2013

Washington University Musculoskeletal Retreat, Washington University in St. Louis, St. Louis, MO, March, 2013

American Physical Therapy Association Combined Sections Meeting, San Diego, CA, January, 2013

Sessions Attended:

Gait Retraining: Taking the Next Step Forward in Rehabilitation

Developing an Orthopedic Research Agenda for Early Investigators

Linking Structure to Function: Muscle, Bone, and Brain, Pre-conference Course, American Physical Therapy Association Combined Sections Meeting, San Diego, CA, January, 2013

2012 Grantsmanship Boot Camp Series, Saint Louis University, St Louis, MO, Fall 2012

Helping Junior Faculty Jumpstart their Search for Research Funding, Webinar, InfoReady Corporation, August 2012

American Physical Therapy Association Combined Sections Meeting, Chicago, IL, February, 2012

Sessions Attended:

Engaging Students in 140 Characters or Less: Using Social Media in the Physical Therapy Classroom

How to Do Research in a Small Teaching College or Clinical Setting: If Not NIH, Then What?

Running Mechanics Analysis: From the Lab to the Clinic

Running Injury Prevention and Management: Pre-, Mid-, and Post-Race Considerations, Pre-Conference Course, American Physical Therapy Association Combined Sections Meeting, Chicago, IL, February 2012

2011 Pedagogy Project Micro-talk and Discussion; Where's Waldo? Personalizing Large Lecture Classes, University of Montana, Missoula, MT, September 2011

Prevention is the Best Cure... Even in the Classroom, University of Montana, Missoula, MT, September 2011

Movement System Syndromes of the Shoulder and Neck, Montana Chapter of the American Physical Therapy Association Fall Meeting, Missoula, MT, September 2011

Conflict Management Skills for Women, Missoula, MT, May 2011

American Physical Therapy Association Combined Sections Meeting, New Orleans, LA, February, 2011

- 2010 Movement Systems Syndromes of the Back and Hip: Interactions and Best Available Evidence, Montana Chapter of the American Physical Therapy Association Fall Meeting, Missoula, MT, September 2010
- Love of Learning vs. Fear of Failing: Student Motivation. University of Montana, Autumn 2010 Professional Development Series, October 2010
- American Physical Therapy Association Clinical Therapist Clinical Performance Instrument for Students: A Self-Guided Training Course, May 2010
- American Physical Therapy Association Combined Sections Meeting, San Diego, CA, February, 2010
- 2009 Vicor Motion Capture on-site training, Missoula, MT, December 2009
- Diagnosis and Treatment of Movement System Impairments, Upper Quarter, Neck, and Shoulder, Community Medical Center, Missoula, MT, November 2009
- American Physical Therapy Association Combined Sections Meeting, Las Vegas, NV, February, 2009
- 2008 American Physical Therapy Association Combined Sections Meeting, Nashville, TN, February, 2008
- 2007 American Physical Therapy Association Combined Sections Meeting, Boston, MA, February, 2007
- 2006 American Physical Therapy Association Combined Sections Meeting, San Diego, CA February, 2006
- 2005 American Physical Therapy Association Combined Sections Meeting, New Orleans, LA, February, 2005

TEACHING EXPERIENCE

University Teaching

- 2019 Lab Assistant, Clinical Skills I (PT 619), Doctor of Physical Therapy Program, Krannert School of Physical Therapy, University of Indianapolis, Indianapolis, IN
- 2019 Course Coordinator, Examination of and Intervention for Integumentary and Medical Conditions (PT 642), Doctor of Physical Therapy Program, Krannert School of Physical Therapy, University of Indianapolis, Indianapolis, IN
- 2018-2019 Grader, Clinical Skills Assessment (PT 637), Doctor of Physical Therapy Program, Krannert School of Physical Therapy, University of Indianapolis, Indianapolis, IN
- 2018-2019 Course Instructor, Functional Anatomy (PT 621), Doctor of Physical Therapy Program, Krannert School of Physical Therapy, University of Indianapolis, Indianapolis, IN

November, 2020

2018	Course Coordinator, Inquiry VII (PT 684), Doctor of Physical Therapy Program, Krannert School of Physical Therapy, University of Indianapolis, Indianapolis, IN
2018-2019	Course Coordinator, Clinical Seminar II (PT 627), Doctor of Physical Therapy Program, Krannert School of Physical Therapy, University of Indianapolis, Indianapolis, IN
2017-2018	Course Coordinator, Clinical Seminar I (PT 617), Doctor of Physical Therapy Program, Krannert School of Physical Therapy, University of Indianapolis, Indianapolis, IN
2016-2017	Co-Course Coordinator, Components of Effective Communication and Teaching (DPT 5218), Program in Physical Therapy, Saint Louis University, St. Louis, MO
2015-2016	Course Instructor, Professional Development II (DPT 6116), Program in Physical Therapy, Saint Louis University, St. Louis, MO
2013-2017	Course Instructor (2013-2014)/Course Coordinator (2015-2016), Kinesiology I (DPT 4021), Program in Physical Therapy, Saint Louis University, St. Louis, MO
2013-2016	Course Instructor, Applied Evidence Based Practice (DPT 6243), Program in Physical Therapy, Saint Louis University, St. Louis, MO
2013-2015	Course Instructor, Clinical Research and Design (DPT 4241), Program in Physical Therapy, Saint Louis University, St. Louis, MO
2013-2014	Course Instructor, Evidence Based Practice (DPT 5142), Program in Physical Therapy, Saint Louis University, St. Louis, MO
2013-2014	Guest Lecturer, Athletic Training Kinesiology (MAT 510), Athletic Training Education Program, Saint Louis University, St. Louis, MO
2012-2016	Lab Instructor (2012-Present), Course Instructor (2015), Course Coordinator (2016) Kinesiology II (DPT 4122), Program in Physical Therapy, Saint Louis University, St. Louis, MO
2012-2016	Course Coordinator, Pharmacology (DPT 5132), Program in Physical Therapy, Saint Louis University, St. Louis, MO
2012-2013	Course Instructor, Evidence Based Practice (IPE 460), Interprofessional Education Program, Saint Louis University, St. Louis, MO
2009-2012	Course Coordinator, Biomechanics, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT
2009-2012	Course Instructor, Movement System Examination and Evaluation, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT

- 2010-2012 Course Instructor, Musculoskeletal Management I, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT
- 2010-2012 Course Instructor, Musculoskeletal Management II, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT
- 2009-2011 Course Coordinator, Physical Therapy Interventions III, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT
- 2009-2011 Course Coordinator, Physical Therapy Interventions IV, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT
- 2009-2012 Project Advisor, Scholarly Project I, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT
- 20010-2012 Project Advisor, Scholarly Project II, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT
- 2006-2009 Lecturer, Kinesiology II, Program in Physical Therapy, Washington University in St. Louis, St. Louis, MO

University Advising

- 2012-2017 Faculty advisor, Entry-level Doctor of Physical Therapy Students, Program in Physical Therapy, Saint Louis University, St. Louis, MO
- 2009-2012 Faculty Advisor, Entry-level Doctor of Physical Therapy Students, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT

University Mentoring

Teaching

- 2019 Jordan Alnemer, DPT Student, University of Indianapolis, Indianapolis, IN
Professional Development Project: Promoting Health in Adolescence
- 2019 Kendall Beckstein, DPT Student, University of Indianapolis, Indianapolis, IN
Professional Development Project: Treatment for Patients with Incontinence
- 2019 Jaclyn Cecere, DPT Student, University of Indianapolis, Indianapolis, IN
Professional Development Project: The Effects of Physical Therapy on Cancer
- 2019 Tyler Hoodlebrink, DPT Student, University of Indianapolis, Indianapolis, IN
Professional Development Project: Use of Blood Flow Restriction in Physical Therapy
- 2015 Kaitlyn Waehner, DPT Student, Saint Louis University, St. Louis, MO.
Senior Honors Project: Pediatric Physical Therapy Communication Techniques.

Research

- 2019-Present Colleen Cobey, PT, MS, Doctor of Health Science Program, University of Indianapolis, Indianapolis, IN
Project: Goniometer Versus Inclinometer Measurements of Ankle Dorsiflexion and Plantarflexion Active
Role: Content Expert
- 2018 Rebecca Bliss, PT, DPT, Doctor of Health Science Program, University of Indianapolis, Indianapolis, IN
Project: Self-Reflection Ability of Doctor of Physical Therapy Students
Role: Doctoral Project Committee Chair
- 2015-2018 Sarah Lehman, DPT student, Saint Louis University, St. Louis, MO.
Project 1: Heart rate analysis in children with cerebral palsy who attend an intensive day treatment program designed in an adapted sports camp format
Project 2: Movement analysis of children with cerebral palsy; can children with a neurological deficit alter a movement pattern following instruction
- 2013-2016 Leah Fischer, DPT student, Saint Louis University, St. Louis, MO.
Project 1: Relationships between Single Limb Squat, Stair Descent, and Pain in Females with Patellofemoral Pain
Project 2: The effect of verbal instruction on sit-to-stand mechanics in children with cerebral palsy
- 2011-2013 Jesse Dupre, Patrick Geraghty, Luke Henderson, Megan Kemp, DPT Students, Scholarly Project, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT
Project: The effect of forefoot running: A pilot study
- 2011-2012 Cory Kauman, Master's Thesis, Health and Human Performance, University of Montana, Missoula, MT
Project: The Effect of Ice Slurry Ingestion on Thermoregulation during Prolonged Exercise in the Heat
- 2010-2012 Jackie Day, Kasey Harwood, Lindsay Huls, DPT Students, Scholarly Project, School of Physical Therapy and Rehabilitation Science, University of Montana, Missoula, MT
Project: The effect of a new knee brace on symptoms and kinematics of the knee
- 2010-2011 Joseph Pellegrino, Master's Thesis, Health and Human Performance, University of Montana, Missoula, MT
Project: Running Economy: Improvements in Mechanical Efficiency Attained through Changes in Muscle Morphology.