

M. Terry Loghmani, PhD, PT, MTC, CMT  
Indiana University

Education:

Doctoral  
Indiana University School of Medicine  
Anatomy and Cell Biology  
May 2010

Graduate  
University of Indianapolis  
Master of Science in Physical Therapy  
December 1993

Undergraduate  
Indiana University  
Bachelor of Science in Physical Therapy  
May 1983

Licensure:

Indiana #05001597A

Certifications:

National Certification in Massage Therapy and Bodywork (CMT) (1992)  
Manual Therapy Certification (MTC), Institute of Physical Therapy (1993)  
Graston Technique® Certification (1994)

Employment and Positions Held:

ACADEMIC

Associate Professor, tenure-track  
Indiana University  
School of Health and Rehabilitation Sciences  
Department of Physical Therapy  
Indianapolis, IN  
(2014-present)

Associate Clinical Professor  
Indiana University  
School of Health and Rehabilitation Sciences  
Department of Physical Therapy  
Indianapolis, IN  
(1998-2014)

Adjunct Faculty  
University of Indianapolis  
Indianapolis, IN  
Myofascial Release (1996, 1998)  
Gait Analysis (1991, 1994)  
Electrical Stimulation (1986)  
Head Injury Module (1984-1986)

Adjunct Faculty  
Indiana University  
Indianapolis, IN  
Neurological Examination (1992-1994)  
Goal Setting (1992)  
Gait Analysis (1985-87, 1990)  
Electrical Stimulation (1986)  
Head Injury Module (1984-1986)

NON-ACADEMIC

Elements Physical Therapy, LLC  
Private Practice  
(2003-Present)

Physiotherapy Associates  
Staff Therapist  
(1998 to 2003)

GrasTech Inc.  
Founding Director of Physical Therapy Services and Education  
(1994 to 1998)

Community Hospital Outpatient  
Senior Therapist, Education Coordinator  
(1987 to 1994)

Back and Pain Center  
Orthopedic and Spine Rehabilitation  
(From 1990 to 1994)  
Pain Specialist  
(1987 to 1990)

Central Physical Therapists, Inc.  
Partner/Owner  
(1985 to 1987)

Community Hospital Hook's Rehabilitation Center  
Staff Physical Therapist  
(1983 to 1985)

Intellectual Property

Patent PCT/US16/52164 Filed September 16, 2016. Loghmani MT, Anwar S, March K, Chein S, Al Oltaihi. Provisional patent filed September 2015.

Peer Reviewed Publications:

Manuscripts/Articles (*Italicized = student presenters*; underlined = senior or corresponding author)

**Loghmani MT**, Fuller E, Esposito C, Jawed Y, Merfeld-Clauss S, Neff B, Quigley C, Traktuev D, Whitted M, March K. Instrument-Assisted Soft Tissue Manipulation in Healthy Males Decreases

Inflammation, Reduces Stress and Increases Stem Cell Mobilization into Circulation. NPJ Reg Med (Corresponding author) (in submission).

George L, Altenburger P, Banas K, Bellew J, Bemenderfer S, Cappel M, Hornstein M, Savage C, **Loghmani MT**. A model for providing free patient care and integrating student learning and professional development in an interprofessional student-led clinic. JOPT. 2017;31(2):54-66. (Corresponding author)

Alotaibi AM, Chien S, **Loghmani MT**, Anwar S. Force and motion sensing for instrument-assisted soft tissue manipulation device. J Med Devices. 2017;11(3). Paper No: MED-16-1355 Doi:10.1115/1.4036654. Senior clinical author and device concept innovator. Submitted Nov 6 2016. Accepted for publication April 2017. Published online July 24, 2017. Publication Sept 2017. ASME Paper No: MED-16-1355 Doi:10.1115/1.4036654 for the Journal of Medical Devices (MED). Doi:10.1115/1.4036654. Journal ISSN: 1932-6181. Impact Factor 0.394. (Co-senior author)

**Loghmani MT**, Whitted M. Soft tissue manipulation: a powerful form of mechanotherapy. Physiother Rehabil. 2016;1;122 (1-6). doi:10.4172/2573-0312.1000122 (Submitted Nov 30, 2016; Published Dec 30, 2016) (Corresponding author)

**Loghmani MT**, Neff B, Alotaibi AM, Anwar S, Chien S, et al. (2016) Quantifiable Soft Tissue Manipulation (QSTM): A Requisite to Advance the Field of Manual Therapy. J Nov Physiother 6: 326. doi: 10.4172/2165-7025.1000326 (Corresponding author)

**Loghmani MT**, Bane S. Instrument-assisted soft tissue manipulation: evidence for its emerging efficacy. J Nov Physiother 2016, S3:012. DOI: 10.4172/2165-7025.S3-012.

Alotaibi AM, Chien S, **Loghmani MT**, Anwar S. Development of a force sensing instrument-assisted soft tissue mobilization device. Proceedings of ASME 2016 International Mechanical Engineering Congress & Exposition. Nov 2016 (Phoenix, AZ Nov 11-17, 2016). Paper No. IMECE2016-65268, pp. V003T04A003; 9 pages doi:10.1115/IMECE2016-65268. ISBN: 978-0-7918-5053-4 (Co-senior author)

Thompson WR, Scott A, **Loghmani MT**, Ward SR, Warden SJ. Understanding Mechanobiology: Physical Therapists as a Force in Mechanotherapy and Musculoskeletal Regenerative Rehabilitation. Physical Therapy Journal. 2016;96(4):560-9. doi: 10.2522/ptj.20150224 *Recommended in F1000Prime as being of special significance in its field by F1000 Faculty Member Sudha Agarwal.*

**Loghmani MT**, Bayliss A, Clayton JG, Gundeck E. Instrument-Assisted Soft Tissue Mobilization for Treatment of a Finger Joint Sprain in a Guitarist: A Case Study. Journal of Manual and Manipulative Therapy. 2015;23(5):246-53. (Corresponding author)

**Loghmani MT**, Warden SJ. Instrument-assisted cross fiber massage increases tissue perfusion and alters microvascular morphology in the vicinity of healing knee ligaments. BMC Complementary and Alternative Medicine.2013;13(240)1-9.

**Loghmani MT**, Bayliss A, Strunk V, Altenburger P. An Integrative Longitudinal Case-Based Learning Model as a Curriculum Strategy to Enhance Teaching and Learning. Journal of Physical Therapy Education. 2011;25(2)42-50. (Corresponding author) [JOPT. Fettelberg Journal Founder's Award]

Bayliss AJ, Klene F, Gundeck E, **Loghmani MT**. Treatment of a patient with post-natal chronic calf pain utilizing instrument-assisted soft tissue mobilization. *Journal of Manual & Manipulative Therapy*. 2011;19(3):127-134.

**Loghmani MT**, Warden SJ. Instrument-Assisted Soft Tissue Mobilization Accelerates Knee Ligament Healing. *Journal of Orthopaedic & Sports Physical Therapy (JOSPT)*. 2009;39(7):506-14.

Burke JR, Buchberger DJ, **Carey-Loghmani MT**, Dougherty PE, Greco DS, Dishman JD. A pilot study comparing manual therapy interventions for carpal tunnel syndrome. *J Manipulative & Physiological Therapeutics*. 2007;30:50-6.

#### Published Abstracts

**Loghmani MT**, Fuller EM, Handt R, Neff B, Seasley L, Swartz C, Whitted M, March KL. Instrument-assisted soft tissue mobilization in healthy young adult males mobilizes tissue-resident mesenchymal stem cells into circulation. *JOSPT* 2016;46(1):A107OP0116.

Handt R, **Loghmani MT**. Mechanotherapy in the emerging field of regenerative rehabilitation: what's the evidence? *JOSPT* 2016;46(1):A94OP086.

White D, Bird C, Bayliss AJ, **Loghmani MT**. Ultrasound Imaging as a Diagnostic Tool for Muscle, Tendon and Fascia Pathologies: An Emerging Physical Therapy Practice. *JOSPT* 2013;1:A71OPO1215.

Holtz BJ, Davey K, Engleman N, Kaeser C, Wood-Vosmer K, Bayliss AJ, **Loghmani MT**. A conservative manual therapy approach using instrument-assisted soft tissue mobilization for the treatment of bilateral plantar fasciitis: a case series. *JOSPT* 2012;1:A95OPO3110.

Clayton JG, McCracken CR, Gross AB, **Loghmani MT**. Treatment of peroneal tendonitis and plantar fasciitis using instrument-assisted soft tissue mobilization: a case report. *JOSPT* 2012;1:A94OPO3109.

Phipps R, Carney S, **Loghmani MT**, Bayliss, AJ. An innovative manual therapy approach for the treatment of patients with achilles tendinopathy: a case series. *JOSPT* 2011;1:A65OPO1167.

**Loghmani MT**, Bayliss AJ, Gundeck E, Clayton G. Successful Treatment of a Guitarist with a Finger Joint Sprain using Instrument-Assisted Soft Tissue Mobilization: A Case Study. *JOSPT*. 2011;1:A77OPO2127.

**Loghmani MT**, Herriott A, Kastner K, Risner K, Koeppe W, Warden S. Instrument-Assisted Cross Fiber Massage Alters Regional Microvascular Morphology in Healing Knee Ligaments Suggesting Possible Angiogenesis. *JOSPT*. 2011;1:OPL14.

**Loghmani MT**, Warden SJ. Instrument-assisted cross fiber massage improves regional blood flow in healing knee ligaments. *JOSPT*. 2010;40:1.A14OPL7.

Bayliss AJ, Klene FJ, Gundeck EL, **Loghmani MT**. Treatment of a patient with post-natal calf

pain utilizing instrument-assisted soft tissue mobilization. *J of Women's Health Physical Therapy*, 2009;33:3.

**Loghmani MT**, Warden SJ, Burr D. Biomechanical and Histological Effects of Instrument-Assisted Cross Fiber Massage on Acute and Long-Term Ligament Healing. *Medicine and Science in Sports and Exercise*, 40(5)S. 2008.

**Loghmani MT**, Warden SJ. Long Term Effects of Instrument-Assisted Cross Fiber Massage on the Biomechanical and Histological Properties of Repairing Medial Collateral Ligament in a Rat Model. *JOSPT*. 2007;1:A18OPL20.

Hayes D, **Loghmani MT**, Lubitz R, Moore E. A Comparison of Two Instrument Assisted Soft Tissue Mobilization Techniques: Effects on Therapist Discomfort/Fatigue and Treatment Time. *JOSPT*. 2007;1:A17OPL19.

**Loghmani MT**, Kiesel J, Lassiter J, Taylor L, Beaman M, Grogg J, Streeter H, Warden SJ. Long-term effects of instrument-assisted cross fiber massage on healing medial collateral ligaments. *JOSPT*. 2007;37:A18.

**Loghmani MT**, Avin K, Burr DB and Warden SJ. Instrument-assisted cross fiber massage accelerates knee ligament healing. *JOSPT*. 2006;1:A7OPL17.

Warden SJ, **Loghmani MT**. Use and effects of instrument-assisted soft tissue massage. Proceedings of the 13th Soft Tissue Injury Forum. Melbourne, VIC (Australia): Olympic Park Sports Medicine Centre 2005; pp. 12-15.

**Carey MT**, Kegerris S, Worrell T. The Immediate and Cumulative Effects of a Myofascial Release Technique of the Respiratory Diaphragm. *Physical Therapy*. 2001;81:A46.

#### TEXTBOOKS

**Loghmani MT**. Effects of Instrument-Assisted Cross Fiber Massage on Ligament Healing. LAP Lambert Academic Publishing. Saarbrücken, Germany, 2014. ISBN: 978-3-659-57221-0.

**Carey-Loghmani MT**, Shakar JJ, Ploski MR. Graston Technique M1-Basic Training, 4<sup>th</sup> ed. Graston Technique, LLC, Indianapolis IN, 2014.

**Loghmani MT**, Bayliss AJ, Grogg J, Taylor-Glass L, Strunk V, Altenburger P. The IU DPT Family Tree: An Integrated Case Series, 2nd Edition. Second edition, 2010. Edited to have 45 cases reflecting greater diversity.

**Loghmani MT**, Bayliss AJ, Grogg J, Taylor L. The IU DPT Family Tree: An Integrated Case Series, 1st ed. September 2007. More than 35 case scenarios were created through student and faculty collaboration. Cases used in courses across the curriculum and shared publically internal and external to the School of Health and Rehabilitation Sciences.

**Carey-Loghmani** et al. Graston Technique Training Manual: Module 1, 3rd ed. Published 2010.

**Carey-Loghmani** et al. Graston Technique Training Manual: Module 1, 2nd ed. Published 2001.

**Carey-Loghmani** et al. Graston Technique Training Manual: Module 1, 1st ed. Published 1998.

#### CHAPTERS

**Carey-Loghmani MT**, Schrader JW, Hammer WI. Clinical Foundations for the Graston Technique. Graston Technique M1-Basic Training Manual. Graston Technique, LLC, Indianapolis, IN 2014.

**Loghmani MT**, Hyde T. Instrument-assisted Soft Tissue Mobilization. Conservative Management of Sports Injuries. Hyde T editor. Jones & Bartlett, July 2007.

**Loghmani MT**, Hammer WI. Graston Technique of instrument-assisted soft tissue mobilization. Functional Soft Tissue Examination and Treatment by Manual Methods 3rd Ed. Hammer WI editor. Jones and Bartlett Publishers, Inc. December 2006.

Howell D, Killian C, Malone T: Compendium on Running and Running Injuries. Chapter Author Sports Physical Therapy Section of the APTA, 1982.

#### PUBLISHED DISSERTATION

**Loghmani MT**. The effects of instrument-assisted cross fiber massage on ligament healing. ProQuest/UMI ID number "10626", <http://www.etdadmin.com/ordercopies.pdf>. 2010.

#### NON-REFEREED PUBLICATIONS, VIDEOS, PODCASTS, TELEVISION INTERVIEWS

**Loghmani MT**, Roche J. Conference Report: 6th Annual International Symposium on Regenerative Rehabilitation. RegMedNet (<https://www.regmednet.com>) by Future Science Group. December 2017. Article accessed at <http://bit.ly/2j9gOod>. (Invited author).

**Loghmani MT**. *Soft Tissue Mechanotherapy Research and Regenerative Rehabilitation*. Podcast: PINTCAST. Invited speaker by students attending presentation on research findings pertaining to IASTM and Stem Cell Circulation, during the 4<sup>th</sup> Annual Regenerative Rehabilitation Symposium at Mayo Clinic. PINTCAST is a student driven, 30m podcast interview geared to present cutting edge research to students. Aired in 2016.

March KL, **Loghmani MT**. IU Initiative for Cellular Health and Regenerative Medicine Prospectus. June 2016

Video Production: Promoting Interprofessional Education and Practice: Occupational Therapy and Physical Therapy Collaboration at Indiana University Student Outreach Clinic. The purpose of this video is for education and research purposes related to OT PT IPE at the IUSOC. The writing and filming was a multi-disciplinary collaborative effort. Student Director & Film Editor – *Maiyasa Issa*, Communications Department; Student Editors & Actors – *Hannah Enoch SPT*, *Melissa McGill OTS*, *Jason Pociask SPT*, *Lauren McGill OTS*; Faculty Editors & Advisor – Terry Loghmani PhD PT, Sharon Pape MS OTR. Weblink: <https://vimeo.com/131503603>.

Web-based Podcast: **Loghmani MT**, Ploski M, Lugar T. Graston Technique® An Evidence-Based Intervention. Graston Technique® 2014

Expert Interview: Graston Technique Research  
Graston Technique Website

2014

Interview: Community Engagement  
IUPUI Impacts Magazine  
2014

CD-ROM. **Loghmani MT**, Bayliss AJ, *Grogg J, Taylor-Glass L, Strunk V, Altenburger P*. The IU DPT Family Tree: An Integrated Case Series, 2nd Edition.  
2012

Web-based Publication: **Loghmani MT**. "Bruising, Pain Not Expected, Not Necessary." The EDGE. Graston Technique®  
May 2011

Web-based Publication: Holtz BJ, Davey KN, Engelman N, Kaeser C, Wood-Vossmer K, Bayliss AJ, **Loghmani MT**. A conservative manual therapy approach using instrument-assisted soft tissue mobilization for the treatment of bilateral plantar fasciitis: a case series. The EDGE.  
Mar 2011

Web-based Publication: Klene FJ, Gundeck EL, Hassett S, **Loghmani MT**, Bayliss AJ. Hip Pain: Using IASTM Approach for Treatment. The Edge.  
Mar 2009

Video Publication Series: Gait Training series initiated by self and co-developed with Valerie Strunk and student for use in P515 Spring 2008.

Expert Interview: Graston Technique  
Experience Life Magazine  
Apr 2007

Expert Interview: Massage in the Laboratory  
American Massage Therapy Association  
Feb 2007

Web-based Publication: Myofascial Trigger Points. Ask The Expert - Exploring Hand Therapy. **Loghmani MT**, 2005.

Web-based Publication: **Carey-Loghmani MT**. Exploring New Uses for the Graston Technique in Women's Health. The Edge, 2004 (Fall).

Television Interview: The Graston Technique of Soft Tissue Mobilization  
Channel 13; Health Spot with Bob Gregory, 2001.

Video Publication: Graston Technique Overview (15 minutes). Filmed in Boston. 2001.

Video Publication Series: Graston Technique – Educational Training Series (4 hours length).  
Filmed through IUPUI MERP. 1999.

Video Publication: Graston Technique - Targeted Exercise Programs. Filmed through IUPUI MERP. 1999.

Television Interview: NJ TV Station. Graston Technique.  
1999.

Television Interview: Dick Wolfsie AM Show. Graston Technique.  
Channel 8; Indianapolis, 1998.

Television Interview: American Health Network. Graston Technique.  
1998.

Article. **Carey-Loghmani M.** Revolutionary Physical Therapy Technique Gets Results.  
Indianapolis Business Journal. 1998.

Article. **Carey-Loghmani MT.** The Graston Technique. Executive Guide to Health Care, IBJ,  
1998.

Television Interview: American Cablevision; The Graston Technique.  
1997.

Television Interview: Channel 13; Evening News Health Spot. The Graston Technique.  
1996.

#### Peer Reviewed Scientific and Professional Presentations:

##### SESSION PRESENTATIONS (*Italicized = student presenters*: Bold-face = senior or sponsoring presenter)

**Loghmani MT**, Pape S. Impact of Community Engagement on Student Learning: Faculty Perspectives. William Plater Institute on the Future of Learning: Nurturing a Culture of Community Health through Interdisciplinary and Integrated Approaches. Round Table Discussion Facilitators. Indianapolis, IN, December 1, 2017.

Pape S, **Loghmani MT**. What's the Difference Between OT and PT? Examining Student Perceptions to Improve Readiness for Interprofessional Education. Indiana Interprofessional Practice and Education Statewide Conference, Indianapolis, IN, Nov 2017.

Altenburger P, **Loghmani MT**, Hatcher J, Norris K.  
Assessing the Influence of Participation in a Student-Led Inter-Professional Community Outreach Clinic. Session presentation at the Annual Assessment Institute National Conference Indianapolis, IN. October 20, 2014.

Altenburger P, *Banas K, Bellew J, Bemenderfer S, Bird C, Cappel M, George L, Hornstein M, Kelly S*, **Loghmani MT**. Impact of student engagement in a free interprofessional health clinic. Session presentation at the APTA CSM, Las Vegas, NV. February, 2014.

Altenburger P, Bayliss A, Strunk V, **Loghmani MT**. Enhancing Student Learning through Case-Based Curricular Integration. Session presentation at The IUPUI Assessment Institute, Indianapolis, IN. October, 2013.

Strunk VA, Bayliss AJ, **Loghmani MT**, Altenburger PA. It's All in the Family: Making the Case for Instructional Collaboration Using the Integrated Longitudinal Case-Based Learning Model. Educational session presented at CSM, Chicago, IL. Feb, 2012.



**Loghmani MT**, Bayliss A, Strunk V, Altenburger P. Integrative Longitudinal Case-Based Learning Model as a Curriculum Strategy to Enhance Teaching and Learning. Session Presentation (2h). IUPUI Edward C Moore Symposium, Indianapolis, IN, March 2010.

**Loghmani MT**, Strunk V, Altenburger P, Bayliss AJ. An Integrated Case Family Series as a Curriculum Strategy to Enhance Cognitive, Cultural and Ethical Competence in the Classroom and Clinic. Educational Session presented at CSM, Las Vegas, NV. February, 2009.

PLATFORM PRESENTATIONS (*Italicized = student presenters*)

Pape S, **Loghmani MT**. What's the Difference Between OT and PT? Examining Student Perceptions to Improve Readiness for Interprofessional Education. Indiana Interprofessional Practice and Education Statewide Conference, Indianapolis, IN, Nov 2017.

**Loghmani MT**, Fuller E, Handt R, Neff B, Seasley L, Swartz C, Whitted M, March K. Instrument-assisted soft tissue mobilization in healthy young adult males mobilizes tissue-resident mesenchymal cells into circulation. Selected as a platform presentation from the poster presentations at the 4<sup>th</sup> Annual Regenerative Rehabilitation Symposium, Mayo Clinic, Rochester, MN. Sept 25, 2015 Poster presentation at the American Physical Therapy Association (APTA) Combined Sections Meeting (CSM). Anaheim, CA. February, 2016.

Altenburger P, Nuest H, Stevenson C SPT, Ebbens C, **Loghmani MT**, Norris K. The Impact of Required Participation in a Student-Led Community Outreach Clinic on Perceived Value and Participation. APTA Combined Sections Meeting, Indianapolis, IN, February 2015.

**Loghmani MT**, Herriott A, Kastner K, Risner K, Koeppen W, Warden SJ. Instrument-Assisted Cross Fiber Massage Alters Regional Microvascular Morphology in Healing Knee Ligaments Suggesting Possible Angiogenesis. APTA Combined Sections Meeting, New Orleans, 2011.

Perle S, Perry D, **Loghmani MT**. A Prospective Case Series of Soft Tissue Conditions Treated with Graston Technique. The Annual Meeting of the Israel Society of Sports Medicine and the 28th International Jerusalem Symposium, Jerusalem, Nov 2011.

**Loghmani MT**. Instrument-assisted cross fiber massage improves regional blood flow in healing knee ligaments. APTA Combined Sections Meeting, San Diego, 2010.

**Loghmani MT**, Warden SJ.

Long-Term Effects of Instrument-Assisted Cross Fiber Massage on the Biomechanical and Histological Properties of Repairing Medial Collateral Ligament in a Rat Model. APTA Combined Sections Meeting, Boston, 2007.

Hayes D, **Loghmani MT**, Lubitz R, Moore E. A Comparison of Two Instrument Assisted Soft Tissue Mobilization Techniques: Effects on Therapist discomfort/fatigue and Treatment Time. APTA Combined Sections Meeting, Boston, MA. 2007.

**Loghmani MT**, Avin KG, Burr DB and Warden SJ: Instrumented-assisted cross fiber massage accelerates knee ligament healing. APTA Combined Sections Meeting, San Diego, CA. 2006.

Indresano K, **Carey-Loghmani MT**. Graston Technique Instrument-Assisted Soft Tissue Mobilization Technology. AOTA Annual Conference and Exposition, Long Beach, CA, 2005.

**Carey-Loghmani MT**. The Immediate and Cumulative Effects of a Myofascial Release Technique of the Respiratory Diaphragm. APTA Scientific Exposition, Anaheim, California, 2001

POSTER PRESENTATIONS (*Italicized = student presenters*; underline = senior or sponsoring presenter)

*Roy J, Bhattacharjee A, Fennimore A, Tobin C, Anwar S, Chien S, **Loghmani MT***. A Novel Mechatronic Quantifiable Soft Tissue Manipulation Medical Device. Indiana CTSI Annual Conference. Indianapolis, IN, December 1, 2017.

*Bhattacharjee A, Fennimore A, Tobin C, Roy J, Anwar S, Chien S, **Loghmani MT***. QSTM: Quantifiable Soft Tissue Manipulation: A Requisite Technology to Advance the Field of Manual Therapy. Indiana Center for Biomedical Innovation (ICBI) AWARE (Accelerating Women & Underrepresented Entrepreneurs) Conference. Indianapolis, IN, October 5, 2017.

*Longgood A, Maslar D, Quigley C, Metzger T, Sims E, Kim MS, Grant M, **Loghmani MT***. Effects of Electro-Acupuncture and Massage Soft Tissue Mechanotherapies on Mesenchymal Stem Cell Circulation in Dogs. 6<sup>th</sup> Annual Regenerative Rehabilitation Symposium. Pittsburgh, PA, 2017.

Larson C, Prange P, McCord K, Ellis K, **Loghmani MT**, Altenburger P. Establishing a Culture of Civic-Mindedness: Assessing the Impact of Student-Led Civic Engagement. INAPTA State Conference, Indianapolis IN, Oct 2017. Also presented at the 2017 William Plater Institute on the Future of Learning, Indianapolis, IN, 2017.

**Loghmani MT**, Neff B, Anwar S, Bane S, Chien S, Longgood A, Quigley C, Tobin C. *A Novel Soft Tissue Manipulation Motion and Force Quantification System for Research and Clinical Use*. National APTA Combined Sections Meeting. San Antonio TX, Feb 2017.

Larson C, Prange P, **Loghmani MT**, Altenburger P. *The Community as a Classroom: Curricular Assessment of Students' Civic-Mindedness as a Function of Volunteerism*. National APTA Combined Sections Meeting. San Antonio TX, Feb 2017. Recipient of "The Global Health SIG Social Responsibility" Award.

Neff B, Rupert K, Jawed YT, Beli E, Grant M, March KL, Kaleth AS, **Loghmani MT**. Whole-body vibration training in healthy males promotes stem/progenitor cell circulation and decreased inflammation levels. 5<sup>th</sup> Annual Symposium on Regenerative Rehabilitation. Emory University, Atlanta, GA, October 14-16, 2016.

**Loghmani MT**, Fuller E, Handt R, Neff B, Seasley L, Swartz C, Whitted M, March K. Instrument-assisted soft tissue mobilization in healthy young adult males mobilizes tissue-resident mesenchymal cells into circulation. Poster presentation at the American Physical Therapy Association (APTA) Combined Sections Meeting (CSM). Anaheim, CA. February, 2016. Also presented as a Platform and Poster presentation at the 4<sup>th</sup> Annual Regenerative Rehabilitation Symposium, Mayo Clinic, Rochester, MN. Sept 25, 2015.

Handt R, **Loghmani MT**. Mechanotherapy in the emerging field of regenerative rehabilitation: what's the evidence? Poster Session presented at the APTA CMS, Anaheim, CA. February

2016. Also presented as a Poster presentation at the 4<sup>th</sup> Annual Regenerative Rehabilitation Symposium, Rochester, MN. Sept 25, 2015.

Larson C, Prange P, Pape S(OT MS), *Pritchard K(OTS)*, *Yoh L(OTS)*, *Cruser S(SPT)*, *Hide R(SPT)*, Pfeifle A, **Loghmani MT**. "What's the Difference Between Occupational Therapy and Physical Therapy?" How a Student-Led Inter-Professional Outreach Clinic Addresses This Question. Poster Session presented at the APTA CMS, Anaheim, CA. Received the APTA Health Policy & Administration Section Global Health Award. February 2016. Other version also presented at: William Plater Institute on the Future of Learning: Nurturing a Culture of Community Health through Interdisciplinary and Integrated Approaches. Indianapolis, IN, December 2017; Collaboration Across Borders V International Conference, Roenoke VA, October 3, 2015; Society for Student Run Free Clinics, Phoenix AZ, January 30, 2016; AOTA National Conference, Nashville, TN April 16, 2015; and INAPTA State Conference, Indianapolis IN, Oct 4, 2014.

Enochs H, Loghmani T, Norris K, Altenburger. Measuring change in Students' Civic-mindedness Following Participation in a ProBono Community Outreach Clinic. Also received the APTA Health Policy & Administration Section Global Health Award. Poster Session presented at the APTACMS, Anaheim, CA. February 2016.

*Watson A*, **Loghmani MT**, Bayliss A, Altenburger P, Strunk V. Using a Complex Case Study Learning Activity for Timely Curricular Assessment of a First Year DPT Curriculum. Poster Session presented at the APTACMS, Anaheim, CA. February 2016.

**Loghmani MT**, *Neff B*, *Anwar S*, *Alotaibi A*, *Mohit Suri*. Quantification of Force during Soft Tissue Massage for Research and Clinical Use. Poster presentation at the 4<sup>th</sup> International Fascia Research Congress Washington DC. Sept 18, 2015. Invited by conference organizers to subsequently present at the Joint Conference on Fascia, Acupuncture and Oncology, Harvard University, Cambridge, MA, November 2015. Also presented at IUPUI Research Day, April 2016. Also accepted as competitive paper for Platform presentation at the International American Society of Mechanical Engineering Conference in Las Vegas NV to be presented in November 2016.

*Handt R*, **Loghmani MT**. The emerging field of regenerative rehabilitation: what's the evidence? (contributed poster) 1<sup>st</sup> Annual Indiana Regenerative Medicine Symposium. Indianapolis, IN, May 19, 2015.

*Watson A*, Bayliss A, Strunk V, **Loghmani MT**, Altenburger P. Preparing Students for Management of the Patient with Multimorbidities. Poster Session presented at APTA CSM, Indianapolis, IN, February 2015. Also presented at the Indiana APTA Fall Conference, Indianapolis, IN. October, 2014.

*Watson A*, Altenburger P, Bayliss A, Dierks T, Strunk V, **Loghmani MT**. Bridging the Transition from the Classroom to the Clinic: An Application of the Integrated Longitudinal Case-Based Learning Model in Developing a Cross-Course Integrative Learning Opportunity. Poster Session presented at APTA CSM, Indianapolis, IN. February 2015. Also presented at the Indiana APTA Fall Conference, Indianapolis, IN. October, 2014.

*Seasly L*, *Handt R*, **Loghmani MT**. Conservative Management of Residual and Phantom Limb Pain: What's the Evidence? INAPTA State Conference, Indianapolis, IN, Oct 4, 2014. Also presented at: IUPUI SHRS Research Day. September 26, 2014.

Altenburger P, Bayliss A, Strunk V, **Loghmani MT**. The use of complex cases to facilitate and assess curricular integration. Poster Session presented at the APTA Educational Leadership Conference, Kansas City, MO. October, 2014. Also presented at the IUPUI Research Conference, Indianapolis, IN. September, 2014.

*Ebbens C, Nuest H, Stevenson C, Altenburger PA, **Loghmani MT**, Norris K.* Changes in Professional and Community Perceptions Following Physical Therapy Graduate Student Participation in a Student-Led Inter-professional Outreach Clinic. National APTA Combined Sections Meeting, Las Vegas, NV, Feb 5, 2014.

*White D, Bird C, Bayliss AJ, **Loghmani MT**.* Ultrasound imaging as a diagnostic tool for muscle, tendon and fascial pathologies: an emerging physicaltherapy practice. APTA Combined Sections Meeting, San Deigo, CA, Feb 2013. Also presented at: SHRS Research Day, Fall 2012.

*Tomczuk L, **Loghmani MT**, Altenburger PA, Strunk VA, Bayliss AJ.* Using an Integrative Longitudinal Case-Based Learning Model as a Curriculum Strategy to Enhance Complex Case Development. Poster Session presented at Indiana University School of Health and Rehabilitation Sciences Research Conference, Indianapolis, IN. November, 2012. Also at Indiana Chapter of the American Physical Therapy Association Fall Conference, Indianapolis, IN. October, 2012.

*White D, Bird C, Bayliss AJ, **Loghmani MT**.* Ultrasound Imaging as a Diagnostic Tool for Muscle, Tendon and Fascia Pathologies: An Emerging Physical Therapy Practice. IUPUI Research Day, Apr 2012.

*Holtz BJ, Davey KN, Engleman N, Kaeser C, Wood-Vossmer K, Bayliss AJ, **Loghmani MT**.* A Conservative Manual Therapy Approach Using Instrument-Assisted Soft Tissue Mobilization For The Treatment of Bilateral Planter-Fasciitis: A Case Series. 3rd Fascial Research Congress, Vancouver BC, Mar 2012.

*Holtz BJ, Davey KN, Engleman N, Kaeser C, Wood-Vossmer K, Bayliss AJ, **Loghmani MT**.* A Conservative Manual Therapy Approach Using Instrument-Assisted Soft Tissue Mobilization For The Treatment of Bilateral Planter-Fasciitis: A Case Series. APTA Combined Sections Meeting, Chicago, 2012.

*Clayton JG, McCracken CR, Gross AB, **Loghmani MT**.* Treatment of peroneal tendonitis and plantar fasciitis using instrument-assisted soft tissue mobilization: a case report. APTA Combined Sections Meeting, Chicago, 2012.

*Clayton JG, McCracken CR, Gross AB, **Loghmani MT**.* Treatment of peroneal tendonitis and plantar fasciitis using instrument-assisted soft tissue mobilization: a case report. INAPTA Central District Meeting, Indianapolis, Jan 2012.

*Clayton JG, McCracken CR, Gross AB, **Loghmani MT**.* Treatment of peroneal tendonitis and plantar fasciitis using instrument-assisted soft tissue mobilization: a case report. IUPUI SHRS 1st Annual Alumni Research Day, 2011.

*Holtz BJ, Davey KN, Engleman N, Kaeser C, Wood-Vossmer K, Bayliss AJ, **Loghmani MT**.*

A Conservative Manual Therapy Approach Using Instrument-Assisted Soft Tissue Mobilization For The Treatment of Bilateral Planter-Fasciitis: A Case Series. IUPUI SHRS 1st Annual Alumni Research Day, 2011.

*Davey K, Bayliss A, Holtz B, Bettenbock K, **Loghmani MT**.* Exploring the optimal dosage for instrument-assisted soft tissue mobilization for anterolateral knee pain: a comparison of two case studies. IUPUI SHRS 1st Annual Alumni Research Day, 2011.

*Clayton JG, McCracken CR, Gross AB, **Loghmani MT**.* Treatment of peroneal tendonitis and plantar fasciitis using instrument-assisted soft tissue mobilization: a case report. INAPTA Annual Conference, Indianapolis, Oct 2011.

*Holtz BJ, Davey KN, Engleman N, Kaeser C, Wood-Vosmer K, Bayliss AJ, **Loghmani MT**.* A Conservative Manual Therapy Approach Using Instrument-Assisted Soft Tissue Mobilization For The Treatment of Bilateral Planter-Fasciitis: A Case Series. INAPTA Annual Conference Indianapolis, Oct 2011.

*Davey K, Bayliss A, Holtz B, Bettenbock K, **Loghmani MT**.* Exploring the optimal dosage for instrument-assisted soft tissue mobilization for anterolateral knee pain: a comparison of two case studies. INAPTA Annual Conference, Indianapolis, Oct 2011.

Strunk V, Altenburger P, Bayliss AJ, **Loghmani MT**. A Strategy for Incorporating Cultural relevance in an Integrative Longitudinal Case-Based Learning Model. Poster session presented at the EC Moore Symposium on Excellence in Teaching, Indianapolis, IN. February, 2011.

**Loghmani MT**, *Gundeck E, Clayton G, Bayliss AJ.* Successful Treatment of a Guitarist with a Finger Joint Sprain using Instrument-Assisted Soft Tissue Mobilization: A Case Study. APTA Combined Sections Meeting, New Orleans, 2011.

*Phipps R, Carney S, **Loghmani MT**, Bayliss, AJ.* An innovative manual therapy approach for the treatment of patients with Achilles tendinopathy: a case series. APTA Combined Sections Meeting, New Orleans, 2011.

**Loghmani MT**, *Gundeck E, Klene F, Bayliss A.* Instrument-assisted soft tissue mobilization for treatment of a finger PIP joint strain in a guitarist: a case study. INAPTA Annual Conference, Indianapolis, 2010.

*Gundeck E, Klene F, Bayliss A, **Loghmani MT**.* Instrument-assisted soft tissue mobilization for treatment of a finger PIP joint strain in a guitarist: a case study. IUPUI Research Day, 2010.

*Klene F, Gundeck E, Hassett S, **Loghmani MT**, Bayliss A.* An instrument-assisted soft tissue mobilization approach for the treatment of trochanteric bursitis: a case study. IUPUI Research Day, 2009.

**Loghmani MT**, Burr DB, Warden SJ: Biomechanical and histological effects of instrument-assisted cross fiber massage on acute and long-term ligament healing. 55<sup>th</sup> Annual Meeting of the American College of Sports Medicine, Indianapolis, IN, USA. 2008.

Hayes D, **Loghmani MT**. Traditional Graston Instrument-Assisted Soft Tissue Mobilization in the Treatment of Plantar Fasciitis and Lateral Epicondylitis. Poster presentation at St. Vincent's Hospital Indianapolis Research Day. 2006. Awarded Best Poster.

Pearle S, Perry D, **Carey-Loghmani MT**. Effects of Graston Technique on Soft Tissue Conditions: A Prospective Case Series. WFC Exposition, Orlando, 2003.

Bainbridge C, **Carey-Loghmani MT**. Using Instructional Technology to Mentor Students During Off-Campus Clinical Education Experiences: A Comparison of Two Outcomes. IUPUI Edward C. Moore Symposium on Teaching Excellence, Indianapolis IN, 2003.

**Carey-Loghmani MT**, Chapman D. The clinical performance of a manual therapy technique following a continuing education seminar. APTA Combined Sections Meeting, Cincinnati, OH, 2002.

**Carey-Loghmani MT**, Shurig MA. Student Poster Presentations as an Educational Strategy. National APTA Combined Sections Meeting, New Orleans, 2000.

Earley BL, **Carey-Loghmani MT**, Hall A. The Graston Technique. AOTA Annual Conference and Exposition, Seattle, 2000.

**Carey-Loghmani MT**, Ploski M, Sweney L. The Graston Technique of Soft Tissue Mobilization. APTA Combined Sections Meeting, Seattle, 1999.

#### INVITED SPEAKER PRESENTATIONS

**Loghmani MT**. ICBI STARTUP Invention to Startup Forum, Indianapolis, IN, October 27, 2017. [Invited Speaker]

**Loghmani MT**. A Quantifiable Soft Tissue Manipulation Medical Device. Indiana Center for Biomedical Innovation (ICBI) AWARE (Accelerating Women & Underrepresented Entrepreneurs) Conference. Indianapolis, IN, October 5, 2017.

**Loghmani MT**. Soft Tissue Mechanotherapy: Don't Just Sit There, Move! Indiana Center for Vascular Biology and Medicine, Cryptic Masons Medical Research Foundation Annual Symposium. IUPUI, September 30, 2016. [Invited speaker]

Instrument-Assisted Soft Tissue Manipulation Mobilizes Mesenchymal Stem Cells Into Circulation Integrative Stem Cell Institute. University of Miami, FL, October 20, 2015

Soft Tissue Mechanotherapy: A Powerful Force in Regenerative Rehabilitation. IUPUI Regenerative Medicine Symposium, Indianapolis, IN, Oct 14, 2015

IUSOC Partner's Semi-Annual Retreat. "Interprofessional education and practice as a means to improve clinic and learning outcomes." Butler University, Indianapolis, IN, April 19, 2015

*Ebbens C, McCoy M, Loghmani MT*. Impact of Student Engagement in a Free Interprofessional Health Clinic. Rotary Club, Greenwood, IN, September, 2014

*Cruser S, Hidde R, Loghmani MT, Pape S, Pritchard K, Yoh L*. Interprofessional education and practice as a means to improve outcomes. INAPTA Central District Meeting, Indianapolis, IN, September 18, 2014

IU SOC Update. INAPTA Central District Meeting, April 2014

Graston Techniques ISTM Research. Community Hospital, Indianapolis, Feb. 6, 2014

*Banas K, Cappel M, Loghmani MT.* IUSOC PT Clinic Learning Outcomes. INAPTA Central District Meeting, Indianapolis, IN, January 22, 2014

IU SOC Introduction-Bridging the Healthcare Gap. IN APTA Central District Meeting, Apr. 2013

Assessment of an Integrative Longitudinal Case-Based Learning Model as a Curriculum Strategy to Enhance Teaching and Learning. IUPUI PRAC Meeting, 2012

Instrument-Assisted Soft Tissue Mobilization: A Conservative Treatment Alternative to Enhance Connective Tissue Healing. University of Pittsburg, 2010

Instrument-Assisted Soft Tissue Mobilization. Veterans Hospital, 2010

Mechanotransduction: A Mechanism For the Therapeutic Effects of Manual Therapy. IU DPT: P660 Special Topics Course, 2010

Effects of Instrument-Assisted Cross Fiber Massage on Blood Flow. IU Anatomy Seminar, 2008

Panel Presentation (Invited) Joint Manipulation in PT Educational Programs. IN APTA State Advocacy Day. Indianapolis, IN 2007.

Lecture (Invited): Pathways in Research. P645 Evidence Based Practice. IU DPT program course. Fall 2007.

Evidenced Base Medicine Course. Guest Lecturer (Invited), 2007

Evidenced Base Medicine Course. Guest Lecturer (Invited), 2006

Instrument-Assisted Cross Fiber Massage Accelerates Knee Ligament Healing. IU Anatomy Seminar, 2005

Lecture (Invited): Pathways in Research. P645 Evidence Based Practice. IU DPT program course, Fall 2005.

Instrument-Assisted Soft Tissue Mobilization. Rehabilitation Hospital, Indianapolis, 2004

The Guide to Physical Therapy Practice: What Have You Done for Me Lately? IN APTA Central District Meeting, Sep. 2003

Political Issues. IN APTA Central District Meeting, 2002

Lower Extremity Orthotics. RHI, 2002

Instrument-Assisted Soft Tissue Mobilization. Physiotherapy Associates. 2001

Instrument-Assisted Soft Tissue Mobilization. APTA State Chapter Meeting, 2000

Graston Soft Tissue Mobilization. Innovative Therapy Services, 1999

Case Study Review

APTA Meeting  
1997

The Graston Technique  
Indiana Workman's Compensation Meeting  
1995

Integrated Approach to Soft Tissue Mobilization  
Indiana University Physical Therapy Alumni Reunion  
1992

Electrical Stimulation  
INAPTA Central District  
1986

Posture and Running  
Naval Avionics Running Club  
Indianapolis IN  
1984

Head Injury Forum  
Indianapolis IN  
1984

SEMINARS TAUGHT

Management of Upper Extremity Joint Edema Using Instrument-Assisted Soft Tissue Mobilization. Hand Therapy. Live Conferences Online Continue Education.	2005
Applications of Instrument-Assisted Soft Tissue Mobilization in Women's Health. Educational video. Presented at Educational Seminar at APTA Private Practice Section Conference	2005
Graston Technique – Educational Training Series (4 hours)	2004-2005
Graston Technique – Advanced Soft Tissue Treatment. AOTA National Conference	2004
Strategies for Teaching Foundational Critical Thinking in Health Science Professional Programs. Edward C. Moore Symposium. IUPUI	2003
The Graston Technique: Educational Program for Trainers and Researchers In the Technique	2001-2002
The Graston Technique: Module II	2001-2003
The Graston Technique: Module I - The Basics Training	1996-present



Enhancement of Manual Therapy Techniques. Co-instructor. Philadelphia 1999

Funded/In Review Grant Activity:

RELATED TO RESEARCH

2017 Indiana Center for Biomedical Innovation (ICBI) & Indiana CTSI Medical Device Development Award (MDDA) [PI] (\$18,000). Inaugural Recipient. Funded.

Purdue NSF Innovation Corps (I-Corps) Program, Midwest Network I-Corps Node and Indiana CTSI Medical Technology Customer Discovery Program, Introduction to Customer Discovery – Invited participation funded.

2017 Rose Hulman Ventures–Indiana University Research and Technology Corporation Award. [PI] (\$15,000)

2017 IUPUI Release Time for Research Grant. \$10,000 [PI]. Funded.

2017 IU School of Health and Rehabilitation Science's (SHRS) Promoting External Applications for Research (PEAR) Program Category D – Equipment Support. \$2785.27 [PI] Awarded.

2016 NIH Small Business Technology Transfer (STTR) grant. *Development of a STM Motion and Force Quantification Device System for Research and Clinical Use*. Submitted September 6, 2016. Re-submitted with revisions based on reviewer comments on April 5, 2017. \$245,000 [PI]

2016 Center for Translation of Rehabilitation Engineering Advances and Technology, Commercialization Assistance Program. A Quantifiable Soft Tissue Manipulation Device System (QSTM). Submitted September 30, 2016. Not funded. Asked to re-submit once closer to commercialization.

2016 The effects of soft tissue manipulation on mesenchymal stem cell mobilization and homing, inflammation, pain and behavior in rodents with chemically-induced low back pain. \$23,103 Awarded

2016 Veterans Affairs Federal Assistance Grant. Stem Cell Treatment of Knee OA. (submitted June 2016 ) \$1,099,950.00 [Co-I]

2016 Rose Hulman Ventures–Indiana University Research and Technology Corporation Award. \$15,000 [PI]

2016 IUPUI Release Time for Research Grant. \$10,000 [PI]. Funded.

IU Health Values Grand Challenge Grant

Pain Management: Evaluating the Impact of Policy, Eliciting the Different Perspectives, and Implementing an Inter-Professional Approach to Care and Education

\$500,000 [Co-I, 10%] (In Review) (Internal)

2016

IUPUI FORCES (Funding Opportunities for Research Commercialization and Economic Success) grant. "Development of a Soft Tissue Manipulation Force Quantification Device for Clinical Use."

\$33,314 (PI) (Funded)

2015-2016

IUPUI Biomechanics and Biomaterials Research Center (BBRC) Grant  
“Quantification of force during soft tissue massage for research and clinical use”  
\$10,000 [PI] (Funded) (Internal)  
2015

IUPUI EMPOWER Grant  
\$5000 [PI] (Funded) (Internal)  
2014

IU School of Health and Rehabilitation Science’s (SHRS) Promoting External Applications for Research (PEAR) Program Category C–Faculty Travel Support to attend: Ida P. Rolf Research Foundation Research Training and Project Funding Symposium Third International Fascia Research Congress  
\$900 [PI] (Funded) (Internal)  
2012

IUPUI Signature Center and SHRS  
Indiana University Center for Translational Musculoskeletal Research Faculty  
\$300,000 (Funded)  
Jul. '10 – Jun. '13

American Massage Therapy Foundation  
Tissue-Level Efficacy of Cross Fiber Massage Following Ligament Injury  
Co-investigator  
\$19,356 [Co-I] (Funded)  
Jan. 2007

#### RELATED TO TEACHING

IUPUI Program Review and Assessment Committee (PRAC) Grant.  
ILCBL Phase III. Translating Classroom Knowledge to Entry-Level Clinical Practice Using an Integrated Longitudinal Case-Based Learning Model  
\$2500[PI] (Funded)  
2014

IUPUI Program Review and Assessment Committee (PRAC) Grant  
ILCLB Phase II  
\$2500[PI] (Funded)  
2012

SHRS Student Learning and Research Facilitation Lab  
\$25,000 [Co-I] (Funded)  
2011

IUPUI Program Review and Assessment Committee (PRAC) Grant  
Phase I – Integrated Longitudinal Case-Based Learning  
\$2500 [PI] (Funded)  
2010

IUPUI PRAC Grant—  
A Relational Database for the Assessment of Course Objectives Across a Curriculum  
\$2000 [PI] (Funded)  
2002

IUPUI Center for Teaching and Learning Faculty Learning Community: Scholarship of Teaching & Learning on  
Instructional Technology  
\$500 [PI] (Funded)  
2001

Current/Active Research Activity:

Soft Tissue Mechanotherapy and Regenerative Rehabilitation

Instrument-assisted soft tissue mobilization as a means to mobilize progenitor cells into circulation in healthy adults

Instrument-assisted soft tissue mobilization as a means to mobilize progenitor cells into circulation in adults with LBP

Development of a Soft Tissue Manipulation Force Quantification Device for Clinical Use

Electro-acupuncture, acupuncture-like transcutaneous electrical nerve stimulation and instrument-assisted STM for mobilization of stem/progenitor cells in dogs w back & hip arthritis.

Acute Vibration as an Exercise Surrogate to Induce Mobilization of Endothelial Progenitor Cells into Circulation

Regenerative Rehabilitation

Stem Cell Treatment of Knee OA

Effects of Human Adipose-Derived Stem Cells (hASC) Conditioned Medium via Intravenous Delivery in an aged rodent model

Effects of Human Adipose-Derived Stem Cells (hMSC) Conditioned Medium in Human Frailty

Interprofessional Education and Collaborative Practice and Community Engagement

“What’s the Difference between OT and PT?” Physical Therapy and Occupational Therapy Collaboration at a Pro Bono Student Outreach Clinic: Interprofessional Education Outcomes.

A model for providing free patient care and integrating student learning and professional development in an interprofessional student-led clinic (NEXUS project)

Measuring change in Students’ Civic-mindedness Following Participation in a ProBono Community Outreach Clinic

Integrated Longitudinal Case-Based Learning  
Impact of Integrated Longitudinal Case-Based Learning on Curricular Outcomes

Membership in Scientific/Professional Organizations:

American Physical Therapy Association

1983- Present

Current section memberships: Education, Orthopedic and Health Policy Administration

Special Interest Groups: Academic Faculty: 2005-2009 (Representative at Large for Professional Development)

American Association of Anatomists

Physical Therapy SIG

2003-Present

Fascia Research Society

2012- Present

Founding Member, Invited

Consultative and Advisory Positions Held:

International Consortium on Regenerative Rehabilitation (ICRR), Leadership Council Member  
2016-current.

Advisory Board, Consultant

Director of Physical Therapy Education

TherapyCare Resources, Inc.

(From 1998 to 2005)

Community and Professional Service:

ICRR Regenerative Rehabilitation (RR) Leadership Roundtable Discussion Meeting – at 6<sup>th</sup> Annual RR Symposium, in Pittsburgh, November 1-3, 2017. Also served as a Session Moderator and poster judge.

Representative for the Regenerative Rehabilitation Initiative (one of the five strategic initiatives of the newly inaugurated APTA council), Frontiers in Rehab Science and Technology (FiRST), at its initial planning meeting during the APTA National NEXT Conference in Boston, June 2017.

ICRR Annual Leadership Meeting - at 5<sup>th</sup> Annual Symposium on Regenerative Rehabilitation, Emory University, Atlanta, GA, Oct 16, 2016.

APTA Education Program Planning Committee

Program Proposal Reviewer

2005-2017

Sessions Moderator

APTA Combined Sections Meeting

2002-2017

Faculty Advisor: DPT Class of 2009  
Senior Citizen Wellness Program  
2007-2009

INAPTA Central District  
Elected Nominating Committee Chair  
2005-2007

INAPTA Central District  
Elected Vice President 2003-2005

Faculty Advisor: DPT Class of 2006  
Multiple Sclerosis Swim  
2005-2009

Mobility Clinic  
Wishard Hospital, Indianapolis  
2003

Wellness Hotline - Volunteer  
APTA National Scientific Exposition  
2002

Faculty Representative  
APTA Faculty Liaison  
2001-2003

Indiana University Allied Health Alumni Association  
President  
1985-1986

Services to the University/College/School on Committees/Councils/Commissions:

Councils/Commissions

International Consortium on Regenerative Rehabilitation  
Delegate  
2016- present

APTA Frontiers in Rehabilitation Science & Technology (FiRST) - Member  
2015-present

Grant Reviewer

Indiana Clinical and Translational Sciences Institute  
2016-Present

Journal Reviewer

APTA Journal of PT Education (JOPTE)  
BMC Complementary and Alternative Medicine

Physiotherapy Theory and Practice  
SAGE Publishing. Clinical Medicine Insights: Case Reports

University-Wide

IU William Plater Institute on the Future of Learning 2017 Planning Committee  
Invited Member  
2017

IUPUI Strategic Planning Committee  
Goal 7: Deepen our Commitment to Community Engagement  
Working Group – Member  
2017- Present

IU Regenerative Medicine Working Group Initiative  
Assistant Director  
2015-present

IUSM Curriculum Re-structure  
Anatomy Reform Team  
2014

IU Student Outreach Clinic  
Founding Physical Therapy Faculty Advisor  
2012-Present

Dean Agho Review Committee  
2013-2014

Anatomy Reform – Human Structure Committee  
2013-2014

IUPUI Community Engagement Task Force - Invited  
2012-2013

IUPUI Strategic Planning Committee  
2012-2013

Graduate Thesis Committee  
Carol Baker  
2003- 2004

Graduate Thesis Committee  
Deanna Hayes  
2000-2002

School

SHRS Budgetary Affairs Committee Co-Chair (elected)  
2017-present

IU SOC Clinical Adjunct Faculty Committee  
2014-present

SHRS Faculty President (elected)  
2011-2012

SHRS Promotion and Tenure Committee Member  
Awards Sub-committee member  
2005-2014

SHRS Clinical-Rank Task Force  
2010-2012

SHRS Search and Screen for OT  
2009

SHRS Governance Committee  
Chair 2003-2005  
Member 2002-2007

Committee Chair  
DPT Director of Clinical Education Search and Screen  
2007

Member  
DPT Search and Screen Committee  
2004, 2005

SHRS Academic Affairs Committee  
Co-Chair  
2001-2002

Search and Screen Committee  
Tenure Track PT Faculty Position  
2000

SHRS Student Affairs Committee  
Chairperson  
1999-2000

SHRS Student Recruitment Committee  
Member  
1998-2000

Department – IU Department of Physical Therapy

Awards Committee – Member  
2017-Present

IU Student Outreach Clinic PT – Founding Faculty Advisor  
Doctor of Physical Therapy Program  
2012-Present

Curriculum Committee  
Department of Physical Therapy  
1998-Present

Faculty PT Graduate Student Advisor  
Approximately 15 students/year  
1998-present

Faculty Advisor  
Class of 2013  
2010-2013

Faculty Advisor  
Class of 2009  
2006-2009

Faculty Liaison  
Pitt-Marquette Challenge  
2005-2014

Committee Coordinator  
CAPTE Report Committee  
2006

Faculty Advisor  
Class of 2006  
2005-2006

DPT Curriculum Development , Coordinator  
2001-2003

Faculty Classroom Coordinator  
2001-2003

Guest Speaker Co-coordinator  
Chuck Ciccone, Pharmacology  
2000

Guest Speaker Co-coordinator  
Florence Kendall, Muscle Testing  
1999



MPT Curriculum Development Committee, Member  
1998

RESEARCH ADVISOR/MENTOR

Doctoral Research Committee Member

Jeffrey Beer

2013-present

Masters Thesis Committee Member

Ahmed Al Otaibi

2015-2016

Carolyn Tobin, Colleen Quigley, Sammie Bane, Alana Fennimore, Carly Francis	2017
Ryan Ball, Life-Health Sciences Internship Program, Intern	2016-2017
Rachel Handt, Rachel Hidde, Sarah Cruser, Lucia Sealy, Amy Watson Buce Neff, Carrie Esposito, Emily Fuller, Micah Whitted, Carolyn Tobin, Colleen Quigley, Sammie Bane	2016
Rachel Handt, Rachel Hidde, Sarah Cruser, Lucia Sealy, Amy Watson	2015
Rachel Handt, Rachel Hidde, Sarah Cruser, Lucia Sealy, Amy Watson	2014
Linda Tomczuk	2013
Greg Clayton, Kate Davey, Kathy Wood-Vossmer, Brad Holtz	2012
Evelena Gundeck	2011
Whitney Koeppen	2010
Allison Herriott, Kristen Kastner, Kory Risner	2009
Kristen Meade, Monica Beaman, John Kiesel, Jamie Grogg, Jessica Lassiter, Heidi Streeter, Lynn Taylor	2008
Keith Avin, Maria DeWolfe, Monica Eberle	2006
Faculty/Student Mentoring Triads	2001-2003
Faculty Coordinator-Brown Bag Lunches	1999-2002

TEACHING LAB MENTORS/ASSISTANTS (P515 &P526) – ADVISOR/MENTOR

Brent Bremer, Brittany Brewer, Kristen Brogdon, Amy Buckman	2014
Joe Gerries, Ron Harper, Renee Miracle, Kristi Romine, Nicole Schmidt, Kunal Shah, Josh Weyer, Alicia Zehr Arnold Derek, Baldwin Ashley, Banas Kathryn, Cappel Maggie	2013
Chaple Justin, Heckroth Laura, Jenkins Mary, Knox Aaron Kowalinski Natalie, O'Conner Caitlin, Parsons Ashley, Rozelle Courtney, Sloggett Meghan, Sprader Mary, Young Amanda	2012
Goeff, Jessica W, Becky, Lydia George, Jessica G, Dan Jenna Gabet, Gayle, Holly, Chelsea Bird, Marie, Kyla, Lora Makenzie, Danielle White, Erica	2011
Kari Bettenbock, Lizzy Burnett, Katie Felton, Chris Goul, Adam Whitman, Jenna Gabet, Kate Davey	2010
Ty Childers, Liz Fadale, Becky Phipps, Laura Reid, Zach Skaggs, Kathy Wood, Jen Wright	2009
Kristen Kastner, Allison Herriott	2008
Kristen Kastner, Allison Herriott, Jennifer Lyons, Megan Boland, Megan Ball, Monica Beaman, Doug Snow, Lynn Taylor, Jamie Grogg	2007
Megan Boland, Megan Ball, Monica Beaman	2007

Honors and Awards:

SERVICE

Excellence in Service Award  
IU School of Health and Rehabilitation Sciences  
2014

IUPUI 'Influencers' Recognition  
2013

TEACHING

Indiana University Trustees Teaching Award  
IUPUI  
2013

Golden Goniometry Award  
IU PT Department  
2013

Feitelberg Journal Founder's Award  
Journal of Physical Therapy Education  
2012

Indiana University Trustees Teaching Award  
IUPUI  
2007

National APTA Distinguished Teaching Award (Nominee)  
2007

SHRS Excellence in Teaching Award  
Honorable Mention  
2005

Indiana University Trustees Teaching Award  
IUPUI  
2003

RESEARCH

2017 Rose Hulman Ventures–Indiana University Research and Technology Corporation Award.  
[PI] (\$15,000)

2016 Rose Hulman Ventures–Indiana University Research and Technology Corporation Award  
[PI] (\$15,000)

2017 Indiana Center for Biomedical Innovation (ICBI) Invention to Startup Forum - Invited  
Speaker

ICBI AWARE (Accelerating Women & Underrepresented Entrepreneurs) – Invited Roundtable  
Discussion member

4<sup>th</sup> Annual Regenerative Rehabilitation Symposium  
Best Research Poster  
Mayo Clinic, Rochester MN  
Sept 2015

IUPUI Research Day – Poster Finalist Award  
2011

Research Symposium Allied Health Research Award  
St. Vincent  
2006

#### OTHER

Federation of American Societies for Experimental Biologies Fellow. Invited  
2010

Academic Excellence Award  
University of Indianapolis  
1993

Francis Ekstam Award  
Indiana University  
1983

IU Allied Health Outstanding Student Scholarship  
Indiana University  
1983

Highest Honors  
Indiana University  
1983

#### Student/Mentee Honors and Awards

Life Health Science Internship Travel Award to attend CSM 2018 - John Roy, Intern (\$1500)

Larson C, Prange P. Impact of Community Engagement on Student Learning: Student Perspectives. William Plater Institute on the Future of Learning: Nurturing a Culture of Community Health through Interdisciplinary and Integrated Approaches. Round Table Discussion Facilitators. Indianapolis, IN, December 1, 2017. (Loghmani MT-Faculty Sponsor)

6<sup>th</sup> Annual Regenerative Rehabilitation Symposium Travel Award -.Allison Longgood, Graduate research assistant (\$400)

William Plater Medallion Award 2017

Matt Owens

William Plater Medallion Award 2016

Sarah Crusier, Jason Pociask, Sarah Raciti, Hannah Enochs

Continuing Education Attended (Courses taken within last 5 years related to responsibilities in entry-level program)

6<sup>th</sup> Annual Regenerative Rehabilitation Symposium  
Pittsburgh, PA  
November 1-3, 2017

5<sup>th</sup> Annual Regenerative Rehabilitation Symposium  
Emory University, Atlanta GA  
October 14-16, 2016

CNS Injury, Repair and Regeneration  
Center for Spinal Cord and Brain Injury Research  
Indianapolis, IN  
Nov 21, 2015

Joint Fascia, Acupuncture and Oncology Conference  
Harvard University, Cambridge, MA  
November 14, 2105

4<sup>th</sup> Annual Regenerative Rehabilitation Symposium  
Rochester, MN  
Sept 25, 2015

4<sup>th</sup> International Fascia Research Congress  
Washington DC  
Sept 18, 2015

Regulatory Pathways for Regenerative Medicine: Cell and Biological Therapeutics  
1<sup>st</sup> Annual Regenerative Medicine Symposium  
Indianapolis, IN  
May 19, 2015

"Flow Cytometry Bootcamp"  
Atlanta, GA  
Mar 10-11, 2015

APTA CSM – Indianapolis IN  
Feb 2015

APTA CAPTE Accreditation Self-Study Workshop  
Indianapolis, IN  
Feb 2-3, 2015

Applications of Regenerative Medicine to Orthopedic PT

July 2014

APTA CSM-Las Vegas  
2014

APTA CSM-San Diego  
2013

IU Inter-Professional Education (IPE) Faculty Development Retreat-  
Apr. 11-13, 2012

IPEP 'Train the trainer' conference, IUPUI. Invited attendee.  
Feb. 2012

US Imaging Training 'Knobology', Easote, Indianapolis  
2012

3rd Fascial Congress, Vancouver BC  
2012

US Imaging of Foot and Ankle, Easote, Indianapolis  
2012

APTA CSM Chicago IL  
2012

Histological and Anatomical Characteristics of the Human Fascial System.  
Cadaver Dissection and 3D Imaging of Lower Limb. NY, NY  
Nov. 12, 2011

Inaugural Indianapolis Women's Philanthropy Conference. IUPUI  
Oct. 21, 2011

APTA CSM New Orleans LA  
2011

Current Teaching Responsibilities (Year of site visit)

COURSE	TITLE	HOURS	CREDIT/CONTACT	ROLE	TERM	AVER. ENROLLMENT
P526	Physical Therapy Examination/Interventions II	4/6 (2/4)	Course Coordinator/ Primary Instructor		2003-present	37
P515	Physical Therapy Examination/Interventions I	3/5 (2/3)	Course Coordinator/ Primary Instructor		2002-present	38
P661	Introduction to Prosthetics and Orthotics	2/3	Course Co-Instructor Coordinator		2004-present	37
P685	Instrument-Assisted Soft Tissue Mobilization	1	Course Co-coordinator/ Instructor		2008-present	15

