

CHIUNG-JU LIU, PhD, OTR/L, FGSA

Curriculum Vitae

Department of Occupational Therapy
College of Public Health and Health Professions
University of Florida
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Update: August 2023

ResearchGate: https://www.researchgate.net/profile/Chiung-ju_Liu
NCBI: <https://www.ncbi.nlm.nih.gov/myncbi/chiung-ju.liu.1/bibliography/public/>
Google Scholar: <https://goo.gl/p3YmnS>
ORCID: 0000-0003-4894-2649

EDUCATION

Ph.D. in Gerontology, University of Kansas (2006)

Dissertation advisor: Susan Kemper, Ph.D.

Dissertation title: Comprehension of health-related written materials by older adults.

M.S. in Occupational Therapy, University of Kansas Medical Center (2001)

Thesis advisor: Joan McDowd, Ph.D.

Thesis title: The relationship between visuospatial neglect and daily life performance in people with Alzheimer's disease.

B.S. in Occupational Therapy, National Taiwan University, Taiwan (1997)

Senior thesis advisor: Keh-chung Lin, Sc.D.

Senior thesis title: The effect of audio-motor cuing on visuospatial neglect after stroke: A single case study.

PROFESSIONAL EXPERIENCES

Academic experiences:

Associate Professor (2019-)

Department of Occupational Therapy, College of Public Health and Health Professions,

University of Florida

Associate Professor with tenure (2015-2019)

Department of Occupational Therapy, School of Health and Rehabilitation Sciences (2015-2018), School of Health and Human Sciences (2018-2019), Indiana University (IUPUI)

Assistant Professor (2008-2015)

Department of Occupational Therapy, School of Health and Rehabilitation Sciences, Indiana University (IUPUI)

Affiliate scientist

Indiana University of Center for Aging Research (2010-)

Registries Institute, Inc. (2016-)

Associate research member (2011-2016)

Indiana University Simon Cancer Center (Cancer prevention and control)

Research experiences:

Postdoctoral research fellow (2006-2008)

Health and Disability Research Institute, School of Public Health, Boston University

Supported by the National Institute on Disability and Rehabilitation Research

Training in rehabilitation outcome and effectiveness studies (# H133P001) by Drs. Nancy Latham and Alan Jette.

Graduate research assistant (2002-2006)

Language across the Life Span Lab directed by Dr. Susan Kemper, Gerontology Center, University of Kansas, Lawrence, KS

Graduate research assistant (2000-2001)

Grayhawk Lab directed by Dr. Joan McDowd, Department of Occupational Therapy Education, University of Kansas Medical Center, Kansas City, KS

Clinical experiences:

Occupational therapist

Yang-Guang Rehabilitation Clinic, Keelung, Taiwan (2001-2002)

Duties include: Worked with children with developmental disabilities, and adults and older adults with physical disabilities.

Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital, Taipei, Taiwan (1997-1999)

Duties include: Worked with children with developmental disabilities, and adults and older

adults with physical disabilities.

HONORS AND AWARDS

NIH mHealth Training institute Scholar (2023), NIH MD2K Institute

Dean's Best Citation Award (2021), University of Florida, College of College of Public Health and Health Professions

TARGET (Travel Awards for Research Grant Enhancement) **Award** (2019), University of Florida, College of Public Health and Health Professions

Sustained Excellence in Research Award, Indiana University School of Health and Rehabilitation Sciences (2017)

Fellow of the Gerontological Society of America (2014)

Excellence in Emerging Research and Scholarship Award, Indiana University School of Health and Rehabilitation Sciences (2013)

Excellence in Research Award, Indiana University School of Health and Rehabilitation Sciences (2011)

Underrepresented Scientist Travel Award, American Occupational Therapy Foundation (2011)

Completed Doctoral Research Award, Division 20-Adult Development and Aging, American Psychological Association (2007)

Willard and Spackman Memorial Scholarship, American Occupational Therapy Foundation (2001)

Academic Achievement Award, National Taiwan University (1995)

CURRENT PROFESSIONAL AFFILIATIONS

- Gerontological Society of America 145182
- Southern Gerontological Society
- American Occupational Therapy Association 4153292
- Florida Occupational Therapy Association 11750
- University of Florida's Association for Academic Women

PROFESSIONAL CERTIFICATIONS

- National Board for Certification in Occupational Therapy, Occupational Therapist Registered OTR[®] (Certification number: 233233) (July 2007-present)
- Florida State Registered Occupational Therapist (License number: OT20191) (July 2019-

February 2023)

- Indiana State Registered Occupational Therapist (License number: 31004772A) (April 2009-December 2020)

RESEARCH GRANTS

Awarded grants and research support:

Co-Investigator. *Home [Evaluation] Improvement: Re-Examining the Home Environment* (2023). **OT Summit Scholars Collaborative Activated Research Teams Pilot Grant**. In-Kind. \$5,000.

Principal Investigator. *Synergizing home health rehabilitation therapy to optimize patients' activities of daily living* (2022-2024). **R21. National Institute on Aging**. 15% effort. \$411,470 (including indirect).

Principal Investigator. *Implementing 3-Step Workout for Life to improve ADL outcomes in home health*. (2020-2022). **American Occupational Therapy Foundation**. 10% effort. \$99,999 (including 10% indirect).

Principal Investigator. *Translating 3-Step Workout for Life into the senior living community*. (2016-2017 with one-year-no-cost extension). **Indiana Clinical and Translational Sciences Institute** (funded in part by grant # TR001107 from the National Institutes of Health, National Center for Advancing Translational Sciences). \$25,000.

IUPUI Media <https://news.iu.edu/stories/2017/05/iupui/26-intelligence-three-step-exercise-program.html>

Principal Investigator. *Maintaining independence at home for vulnerable elders: A Pilot randomized controlled trial* (2014-2016 with one-year no-cost extension). **Retirement Research Foundation**. 20% effort for two years. \$187,542 (including 10% indirect). RRF Grant Award #: 2013-227.

Mentee. The Enhanced Mentoring Program with Opportunities for Ways to Excel in Research (EMPOWER) (2013-2014). **Office of the Vice Chancellor for Research and the IUPUI Office for Women**. \$5,000. Mentor: Dr. Wanzhu Tu.

Principal Investigator. *Feasibility of 3-Step Workout for Life for seniors* (2013). **IU Roybal Center for Translational Research, National Institute on Aging (P30 AG024967)**. PI: Dr. Chris Callahan. \$82,627.

Principal Investigator. *Effect of text cohesion on comprehension of written information about*

colorectal cancer screening (2009-2010). **Research Support Funds Grant (RSFG) from IUPUI Office of the Vice Chancellor for Research.** \$24,876.

Center Faculty. *Indiana Center for Translational Musculoskeletal Research* (2010-2013). **IUPUI Office of the Vice Chancellor for Research.** \$300,000. PI: Dr. Stuart Warden.

Principal Investigator. *The effect of illusions on reading health information in older adults* (2011). Funding support for research participant recruitment at the Wishard Hospital. **Indiana Clinical and Translational Sciences Institute.**

Co-Investigator. *Palliative Pilot Grant for Wii Fit Physical Activity in Advanced Cancer Patients* (2013-2014). **Center for Hospice, Palliative Care and End-of-Life Studies of the University of South Florida.** PI: Dr. Hsiao-Lan Wang. In-Kind. \$15,000.

Grants awarded but declined:

Principal Investigator. *Transforming muscle strength to occupational performance in vulnerable elderly.* (2013). **American Occupational Therapy Foundation.** 5% effort for one year. \$50,000 (including 10% indirect).

Scholar/Trainee. *Rehabilitation research career development program* (2010). **NIH National Center Medical Rehabilitation Research and the National Institute Neurological Disorders and Stroke (KL2 HD055929).** 75% support of salary. Support site: University of Florida.

Grants and research support in pending:

Grants submitted but declined:

Federal or foundation grant applications

Principal Investigator. *The Adaptation of Telehealth to Augment Skilled Home Health Rehabilitation Services on Patient Outcomes.* (2023-2024). **Home Care Research Foundation.** 14% effort. \$75,000 (including 10% indirect).

Co-Principal Investigator. *Visual Interventions to Enhance Well-Being (Parkinson's VIEW).* **American Occupational Therapy Foundation.** 7.5% effort. \$100,000 (including 10% indirect). PI: Nicole J. Tester.

Principal Investigator. *Therapy intensity and practice patterns related to self-care and mobility outcomes in home health patients.* (2020-2021). **Encompass Health.** \$30,000 (cost share).

Principal Investigator. *Increasing functional gains from exercise for older adults at risk of ADL disability.* (July. 2018). **R01. National Institute on Aging.** \$2,503,647 (including indirect).

Second submission. Second submission, 50th percentile.

Principal Investigator. *Increasing functional gains from exercise for older adults at risk of ADL disability*. (Oct. 2017). **R01. National Institute on Aging**. \$2,135,779 (including indirect). First submission, 44th percentile.

Principal Investigator. *A feasibility study of Functional-Oriented Resistance and Cognitive Exercise (FORCE)*. (2016). **American Occupational Therapy Foundation**. 5% effort for one year. \$50,000 (including 10% indirect).

Principal Investigator. *Activities of daily living as a means of exercise to reduce disability in vulnerable older adults: An RCT comparing two exercise interventions* (Oct 2015). **R01. National Institute on Aging**. \$1,965,267. (including indirect). First submission, 54th percentile.

Principal Investigator. *Rehabilitation services utilization and ADL disability: Data from the HRS linked to Medicare claims* (2013). **National Institute on Disability and Rehabilitation Research**. \$65,000. Average score: 88.5/100

Principal Investigator. *Interventions to improve print health literacy in cancer screening* (2012). **R21. National Cancer Institute**. \$429,000 (including indirect). First submission, 65th percentile.

Principal Investigator. *The effects of text cohesion on improving health literacy about colorectal cancer* (2009 & 2010). **R21. National Cancer Institute**. \$448,108 (including indirect). First submission, 33rd percentile. Second submission, 9th percentile.

Co-Investigator. *Agency on Aging-led, socially interactive home exercise: An RCT* (2011 & 2012). **R01. National Institute on Aging**. First submission, unscored. Second submission, 16th percentile. PI: Dr. Dan Clark.

Co-Investigator. *An RCT of supervised, seated, home exercise in vulnerable older adults* (2009 & 2010). **R01. National Institute on Aging**. First submission, 27th percentile. Second submission, 20th percentile. PI: Dr. Dan Clark.

Junior Investigator Award. *The New Connections Program* (2012). **Robert Wood Johnson Foundation**.

Co-Investigator. *Bridging the age digital divide* (2008). **National Science Foundation**. PI: Dr. Dongsoo Kim.

Consultant. *The diagnosis of clinically important weakness associated with low muscle mass in older adults* (2009). **Biomarkers Consortium of the Foundation for the National Institute of Health (FNIH)**. PI: Dr. Nancy Latham.

Local and other grant applications

Young Investigator Award in Clinical-Translational Research (K12 scholar). *Converting gained muscle strength to prevent late-life physical disability in community dwelling older adults: A feasibility study* (2012). **Indiana Clinical and Translational Sciences Institute.**

Principal Investigator. *A pilot study of Activity and Condition Training (ACT) to promote independent living in seniors* (2011). **Indiana University Collaborative Research Grant.**

Principal Investigator. *Aging successfully with self-perceived functional limitations: Is there a gender difference?* (2007). **Wisconsin Longitudinal Study Pilot Grant.**

Co-Investigator. *Empowering the Community: Phase 2 – Using social media to increase healthy eating and physical activity among racial/ethnic minorities with chronic diseases* (2012).

Principal investigator: Dr. Christina Mushi-Brunt. **Indiana Minority Health Coalition, Inc.**

PUBLICATIONS (*student coauthor)

Editorial:

Liu, C-J. (2018). Guest editorial-Functional ability in the changing demographic landscape: Evidence and opportunities for occupational therapy. *American Journal of Occupational Therapy*, 72, 7204170010p1-7204170010p5. doi:10.5014/ajot.2018.724002.

Peer-reviewed publications:

Liu, C-J., *Burch, H., *Glover, S., *Donofrio, A., *Oliveros, G, & *Demeo, G (Forthcoming). Practice Patterns and Responses to the Patient-Driven Groupings Model and Coronavirus Disease 2019 Pandemic in Home Health Occupational Therapy: A Pilot Survey Study. *Occupational Therapy in Health Care*. <http://dx.doi.org/10.1080/07380577.2023.2196691>

Tester, N.J., **Liu, C-J**, Shin, Y.C., & Wagle-Shukla, A (Forthcoming in 2023). Visual Dysfunction and Occupational Performance in Persons with Parkinson's Disease. *American Journal of Occupational Therapy*, 77 (6).

Wang, I., Bohannon, R.W., Kapellusch, J., Rahman, M.H., **Liu, C-J**, & Chang, P.F. (2022). Predicting the handgrip strength across the age span: Cross-validating reference equations from the 2011 NIH Toolbox norming study. *Journal of Hand Therapy*. DOI: 10.1016/j.jht.2020.11.005

Liu, C-J., Change, P-S., Griffith, C.F., *Hanley, S.I., & Lu, Y. (2021). The nexus of sensory loss, cognitive impairment, and functional decline in older adults: A scoping review. *Gerontologist*, gnab082. <https://doi.org/10.1093/geront/gnab082>.

- *Garabrant, A., & **Liu, C-J.** (2021). Loneliness and activity engagement among rural homebound older adults with and without self-reported depression. *American Journal of Occupational Therapy*, 75, 1-9. <https://doi.org/10.5014/ajot.2021.043828>
- Wang, Y.C., Kapellusch, J., Rahman, M.H., Lehman, L., **Liu, C-J.**, & Chang, P.-F. (2020 epub). Psychometric evaluation of the Disabilities of the Arm, Shoulder and Hand (DASH) in patients with orthopedic shoulder impairments seeking outpatient. *Journal of Hand Therapy*. doi: 10.1016/j.jht.2020.01.002.
- Liu, C-J.**, Donovan, J., & *Wolford, C.L. (2020). Feasibility of staff-led 3-Step Workout for Life to reduce late-life ADL disability: A community-based translational study. *International Journal of Rehabilitation Research*, 43, 141-147. doi:10.1097/MRR.0000000000000396
- Liu, C-J.**, & Chang, M.C. (2020). Effects of interventions within the scope of occupational therapy on the performance of ADLs and IADLs for older adults with low vision: A systematic review. *American Journal of Occupational Therapy*, 74, 1–18. doi:10.5014/ajot.2020.038372
- Thiyagarajan, J. A., de Carvalho, I. A.,...**Liu, C.-J.**...& Beard, J. (2019). Redesigning care for older people to preserve physical and mental capacity: WHO guidelines on community-level interventions in integrated care. *PLOS Medicine*, 16, e1002948. doi: 1371/journal.pmed.1002948
- Liu, C-J.**, Chang, W.P., & Chang, M.C. (2018). Occupational therapy interventions to improve activities of daily living for community-dwelling older adults: A systematic review. *American Journal of Occupational Therapy*, 72, 7204190060p1-7204190060p11. doi:10.5014/ajot.2018.031252
- Wang, H-L., **Liu, C-J.**, Kilpatrick, M., Jim, H., McMillan, S., Courneya, K., et al. (2017). Exergame grading scheme: Concept development and preliminary psychometric evaluations in cancer survivors. *Rehabilitation Research and Practice*, 2017, 10. doi:10.1155/2017/6843016
- Liu, CJ.**, Chang, WP., Araujo de Carvalho, I., *Savage, K., *Radford, L., & Jotheeswaran, A. T. (2017). Effects of physical exercise in older adults with reduced physical capacity: Meta-analysis of resistance exercise and multimodal exercise. *International Journal of Rehabilitation Research*, 40, 303-314. doi:10.1097/MRR.0000000000000249
- Liu, C-J.**, Xu, H., Keith, N. R. Clark, D. O. (2017). Promoting ADL independence in vulnerable, community-dwelling older adults: A pilot RCT comparing 3-Step Workout for Life vs. resistance exercise. *Clinical Interventions in Aging*, 12, 1141-1149. doi:10.2147/CIA.S136678
- The publication fee was supported by the IUPUI University Library Open Access Publishing Fund.
- Liu, C-J.**, *Marie, D., *Fredrick, A., *Bertram, J., *Utley, K., & Fess, E. E. (2017). Predicting

hand function in older adults: Evaluations of grip strength, arm curl strength, and manual dexterity. *Aging Clinical and Experimental Research*, 29, 753-760. doi:10.1007/s40520-016-0628-0

Liu, C.-J., *Jones, Y. L., *Formyduval, R. M. A., & Clark, O. D. (2016). Task-oriented exercise to reduce ADL disability in vulnerable elderly: A feasibility study of 3-Step Workout for Life. *Journal of Aging and Physical Activity*, 24, 384-392. doi:10.1123/japa.2015-0070

Clark, D. O., Kathleen A. Lane, K. A., Ambuehl, R., Tu, W., **Liu, C.-J.**, & Callahan, C. M. (2016). Age differences in the association between body-mass index class and annualized Medicare expenditures. *Journal of Aging and Health*, 28, 165-179. doi:10.1177/0898264315589574

Liu, C.-J., & William, A. (2014). What factors are related to understanding a stereoscopic 3D diabetes educational video in seniors? *Journal of Visual Communication in Medicine*, 37, 65-73. doi:10.3109/17453054.2014.981799

Liu, C.-J. & *Shiroy, D. M., *Jones, L. Y., & Clark, D. O. (2014). Systematic review of functional training on muscle strength, physical functioning, and activities of daily living in older adults. *European Review of Aging and Physical Activity*, 11, 95-106. doi:10.1007/s11556-014-0144-1

Liu, C.-J., Stump, T. E., Ambuehl, R., & Clark, D. O. (2014). Utilization of occupational and physical therapy services in postacute care: Findings from the 2006 Health and Retirement Study and linked Medicare claims data. *Physical and Occupational Therapy in Geriatrics*, 32, 85-96. doi:10.3109/02703181.2014.883044

Liu, C.-J., Rawl, S. M., & *Yates, K. E. (2013). Readability and text cohesion of online colorectal cancer and screening information. *American Medical Writers Association Journal*, 28, 146-151.

Liu, C.-J., Pape, S., *Ferrell, J., *Turner, E., & *Johanningsmeier, K. (2013). Gerontic occupational therapy and patient education: Perceptions, barriers, and needs. *Physical and Occupational Therapy in Geriatrics*, 31, 140-147. doi:10.3109/02703181.2013.782383

Liu, C.-J., *Brost, M. A., *Horton, V. E., *Kenyon, S. B., & *Mears, K. E. (2013). Occupational therapy interventions to improve performance of daily activities at home for older adults with low vision: A systematic review. *American Journal of Occupational Therapy*, 67, 279-287. doi:10.5014/ajot.2013.005512

Liu, C.-J., & Rawl, S. (2012). Effects of text cohesion on comprehension and retention of colorectal cancer screening information: A preliminary study. *Journal of Health Communication*, 17, 222-240. doi:10.1080/10810730.2012.712614

Liu, C.-J., *Becker, J., *Ford, S., *Heine, K., *Scheidt, E., & *Wilson, A. (2011). Effects of

upper-extremity progressive resistance strength training in older adults: The missing picture. *Physical and Occupational Therapy in Geriatrics*, 29, 255-269.
doi:10.3109/02703181.2011.609644

Liu, C.-J., *Fleck, T., *Goldfarb, J., *Green, C., & *Porter, E. (2011). Attitudes to colorectal cancer screening after reading the prevention information. *Journal of Cancer Education*, 26, 701-707. doi:10.1007/s13187-011-0210-6

Liu, C.-J., & Latham, N. (2011). Can progressive resistance strength training reduce physical disability in older adults? A meta-analysis study. *Disability and Rehabilitation*, 33, 87-97. doi:10.3109/09638288.2010.487145

Liu, C.-J., LaValley, M., & Latham, N. (2011). Do unblinded assessors bias muscle strength outcomes in randomized controlled trials of progressive resistance strength training in older adults? *American Journal of Physical Medicine and Rehabilitation*, 90, 190-196. doi:10.1097/PHM.0b013e31820174b3

Liu, C.-J., & Latham, N. (2010). Adverse events reported in progressive resistance strength training trials in older adults. *Archives of Physical Medicine and Rehabilitation*, 91, 1471-1473. doi:10.1016/j.apmr.2010.06.001

Liu, C.-J. (2010). Comprehension of a colon cancer pamphlet among American adults at least 50 years of age. *Health Education Journal*, 69, 107-115. doi:10.1016/j.apmr.2010.06.001

Latham, N., & **Liu, C.-J.** (2010). Strength training in older adults: The benefits for osteoarthritis. *Clinics in Geriatric Medicine*, 26, 445-459. doi:10.1016/j.cger.2010.03.006

Liu, C.-J., & Latham, N. (2009). Progressive resistance strength training to improve physical function in older adults. Cochrane Bone, Joint and Muscle Trauma Group. *Cochrane Database of Systematic Reviews*. Issue 3. Art. No.: CD002759. doi:10.1002/14651858.CD002759.pub2.

Media release:

- USATODAY (July 07, 2009)
- WEBMD (July 08, 2009)
- YAHOO News (July 08, 2009)
- Science News (July 07, 2009)
- Nursing in Practice (July 08, 2009)
- The Medical News (July 07, 2009)
- TherapyTimes (July 14, 2009)
- Health Behavior News Service: Translating evidence into news (July 21, 2009)
- TODAY in Occupational Therapy (September 20, 2010)

- Liu, C.-J., Kemper, S., & McDowd, J. (2009).** The use of illustration to improve older adults' comprehension of health-related information: Is it helpful? *Patient Education and Counseling*, 76, 283-288. doi:10.1016/j.pec.2009.01.013
- Liu, C.-J., Kemper, S., & Bovaird, J. (2009).** Comprehension of health-related written materials by older adults. *Educational Gerontology*, 35, 653-668. doi:10.1080/03601270902885504
- Kemper, S., McDowd, J., Metcalf, K., & **Liu C.-J.** (2008). Young and older Adults' reading of distracters. *Educational Gerontology*, 34, 489-502. doi:10.1080/03601270701835858
- Kemper, S., & **Liu, C.-J.** (2007). Eye movements of young and older adults during reading. *Psychology and Aging*, 22, 84-93. doi:10.1037/0882-7974.22.1.84
- Kemper, S., Herman, R., & **Liu, C.-J.** (2004). Sentence production by young and older adults in controlled contexts. *Journal of Gerontology: Psychological Sciences*, 59, 220-224. doi:10.1093/geronb/59.5.P220
- Liu, C.-J., McDowd, J., & Lin, K.-C. (2004).** Visuospatial inattention and daily life performance in people with Alzheimer's disease. *American Journal of Occupational Therapy*, 58, 202-210. doi:10.5014/ajot.58.2.202

Published abstracts:

- Wang, I., Yen, S.C., Rahman, M.H., Li, X., Hou, S., & **Liu, C-J** (2022). Trends in Bone Mineral Density in US 6-80 Years Old: Findings from 2005-2020 NHANES Surveys. *Archive of Physical Medicine and Rehabilitation*. 103(12): e114-115. DOI: <https://doi.org/10.1016/j.apmr.2022.08.736>
- Wang, I., Yen, S.C., Rahman, M.H., Li, X., Longwell-Grice, E., & **Liu, C-J.** (2022). Hierarchical properties and functional staging of the Fugl-Meyer Assessment Lower Extremity Scale. *Archive of Physical Medicine and Rehabilitation*. 103(12): e114. DOI: <https://doi.org/10.1016/j.apmr.2022.08.735>
- Wang, I., Yen, S.C., Rahman, M.H., Kapellusch, J., Li, X., & **Liu, C-J.** (2022). Hierarchical properties of the Fugl-Meyer Assessment Upper Extremity Scale for people after stroke. *Archive of Physical Medicine and Rehabilitation*. 103(12): e114. DOI: <https://doi.org/10.1016/j.apmr.2022.08.734>
- Liu, C-J., *Burch, H., *Glover, S., *Donofrio, A., *Oliveros, G, & *Demeo, G** (2022). Current practice patterns in home health occupational therapy. *Innovation in Aging*, 6, P708. DOI: <https://doi.org/10.1093/geroni/igac059.2590>
- Liu, C-J., *Wolford, C.L., & Donovan, J.** (2019). Application of a Logic Model to implement 3-Step Workout for Life to prevent ADL disability. *Archive of Physical Medicine and Rehabilitation*, 100(10), e43. DOI: <https://doi.org/10.1016/j.apmr.2019.08.114>

- Wang, I., Kapellusch, J., Li, X., Yen, S.-C., Rahman, M. H., & **Liu, C.-J.** (2019). Shoulder UE Rehabits: Co-calibrate Three upper extremity functional questionnaires in outpatients with shoulder injuries. *Archive of Physical Medicine and Rehabilitation*, 100(10), e120. DOI: <https://doi.org/10.1016/j.apmr.2019.08.358>
- Wang, I., Hou, S., **Liu, C.-J.**, Rahman, M. H., Kapellusch, J., & Li, X. (2019). Examination of the applicability of the Disabilities of the Arm, Shoulder and Hand (DASH) questionnaire in outpatients with shoulder injuries. *Archive of Physical Medicine and Rehabilitation*. 2019, 100(10), e63. DOI: <https://doi.org/10.1016/j.apmr.2019.08.177>
- Liu, C.-J.**, *Harries, H., *Davis, A., *Schoenfeld, L., & *Romero, T. (2018). Measuring occupational performance in vulnerable older adults: Self-reported or performance-based? *American Journal of Occupational Therapy*, 72, 7211500046p1. doi:10.5014/ajot.2018.72S1-PO6003
- Liu, C.-J.**, Clark, D., Xu, H., & Keith, N. (2017). Promoting ADL independence in vulnerable elderly: Six-month follow-up of a pilot comparative trial. *Innovation in Aging*, 1 (suppl 1) 183. doi:10.1093/geroni/igx004.701
- Liu, C.-J.**, *Bertram, J., *Fredrick, A., *Schuman, D., *Utley, K., & Fess, E. (2016). Is higher grip and arm curl strength correlated to better hand function in community-dwelling older adults? *American Journal of Occupational Therapy*, 70(4_Supplement_1), 7011505120p1-7011505120p1. doi:10.5014/ajot.2016.70S1-PO2064
- *Gutierrez, A., Clark, D., *Radford, L., *Burkert, A., *Lesniewski, K.E., *Threlkeld, E., *Jones, L., & **Liu, C.-J.**, (2015). Feasibility of 3-Step Workout for Life Program to decrease ADL disability in vulnerable older adults. *American Journal of Occupational Therapy*, 69, 6911515165p1. doi:10.5014/ajot.2015.69S1-PO4100
- Liu, C.-J.**, Pape, S., *Bayson, K., *Hahn, M., *Stahl, L., & *Powers, B. (2012). Learning how to use assistive devices in older adults: Are illustrations helpful? *Gerontologist*, 52(Suppl), 592.
- Liu, C.-J.**, & Rawl, S. M. (2011). What do older adults understand and remember after reading colorectal cancer prevention information? *Gerontologist*, 51(Suppl), 74-75.
- Liu, C.-J.**, *Brost, M., *Horton, V., *Mears, K., & *Kenyon, S. (2011). Evidence review of the effect of low vision rehabilitation on improving dependence in daily activities for older adults. *Gerontologist*, 51(Suppl), 527.
- Liu, C.-J.** (November 2010). *Do unblinded assessors bias muscle strength outcomes in randomized controlled trials of progressive resistance strength training in older adults?* *Gerontologist*, 50(Suppl), 294.
- Liu, C.-J.** (2009). *Text cohesion and readability of common written information related to senior*

health. Gerontologist, 49(Suppl), 477-478.

Liu, C.-J., & Latham, N. (2008). Reporting adverse events in progressive resistance strength training trials in older adults. *Gerontologist, 48(Suppl), 39-40.*

Liu, C.-J. (2008). Progressive resistance strength training in older adults: No train no gain? *Archives of Physical Medicine and Rehabilitation, 89, E7.*

Book chapters:

Hu, Y. L., **Liu, C.-J.** (In press 2022). Preventing falls by integrating functional exercise into habitual daily routines in *50 Studies Every Occupational Therapist Should Know*. Oxford Press.

Liu, C.-J., Latham, N., & Jette, A. M. (2014). Stroke-specific functional assessment instruments (2nd ed.). In J. Stein, R. L. Harvey, C. J. Winstein, R. D. Zorowitz, & G. F. Wittenberg (Eds.), *Stroke Recovery and Rehabilitation* (pp. 647-663). New York: Demos.

Latham, N., **Liu, C.-J., & Jette, A. M.** (2009). Stroke-specific functional assessment instruments. In J. Stein, R. L. Harvey, R. F. Macko, C. J. Winstein, & R. D. Zorowitz (Eds.), *Stroke Recovery and Rehabilitation* (pp. 569-586). New York: Demos.

Other publications:

Jorgensen*, M., **Liu, C.-J.** (2021). Fitness Staff's Perceptions of Offering the 3-Step Workout for Life Program in Senior Living Communities. *UF Journal of Undergraduate Research, 23*.
<https://doi.org/10.32473/ufjur.v23i.128119>

-This is Jorgensen Maren's undergraduate honor thesis.

Liu, C.-J., Rawl, S. M., & *Yates, K. E. (2014). Letter to the Editor. *American Medical Writers Association Journal, 29, 48.*

Liu, C.-J., *Brost, M. A., *Horton, V. E., *Kenyon, S. B., & *Mears, K. E. (November 2011). Critically Appraised Topics on Older Adults with Low Vision on the American Occupational Therapy Association website. <https://www.aota.org/Practice/Productive-Aging/Evidence-based.aspx#Low>

World Health Organization. Integrated care for older people: guidelines on community-level interventions to manage declines in intrinsic capacity. Geneva: World Health Organization; 2017. License: CC BY-NC-SA 3.0 IGO. [Dr. Liu was a member of the guideline development group]. <http://apps.who.int/iris/bitstream/10665/258981/1/9789241550109-eng.pdf?ua=1>

Liu, C.-J., Chang, WP, & Chang, M. (November 2017). Critically Appraised Topics on Community-Dwelling Older Adults: on the American Occupational Therapy Association

website. <http://www.aota.org/Practice/Productive-Aging/Evidence-based.aspx>

CONFERENCE PRESENTATIONS (*student)

Workshop:

Lieberman, D., Arbesman, M., Berger, S., Kaldenberg, J., Smallfield, S., **Liu, C.-J.**, & Justiss, M. D. (April 2011). *Evidence-based literature review on occupational therapy and older adults with low vision*. American Occupational Therapy Association Annual Conference and Expo, Philadelphia, PA.

Symposium:

Donovan, J., & **Liu, C.-J.** (April 2018). *Translating 3-Step Workout for Life to the Senior Living Community*. CHep Trailblazer Symposium. Indiana Clinical and Translational Sciences Institute. Indianapolis, Indiana.

Liu, C.-J., *Brost, M., *Horton, V., *Mears, K., & *Kenyon, S. (November 2011). *Low vision rehabilitation for older adults: Review and recommendations. Evidence review of the effect of low vision rehabilitation on improving dependence in daily activities for older adults*. The 63rd annual scientific meeting of the Gerontological Society of America, Boston, MA.

Paper/oral presentations:

Liu, C.-J., Shin, Y.C., Breton, K., Kreider, C., & Datta, S. (June 2023). *Implementing 3-Steps Workout for Life to Support Patient Functional Outcomes in Home Health: Facilitators, Barriers, and Preliminary Findings*. The 11th Occupational Therapy Research Summit. Columbus, Ohio.

Liu, C.-J. (February 2021). *The nexus of sensory loss, cognitive impairment, and functional decline in older adults*. Sandra Edwards Colloquium in the Department of Occupational Therapy, University of Florida, Gainesville, Florida.

Liu, C.-J. (February 2020). *Enhancing intrinsic capacity to facilitate participation in activities for daily living for frail older adults*. Sandra Edwards Colloquium in the Department of Occupational Therapy, the University of Florida, Gainesville, Florida.

Liu, C.-J., Clark D., Keith, N., & Xu, H. (May 2018). *Task-oriented exercise to promote ADL independence in vulnerable older adults: A pilot RCT of 3-Step Workout for Life*. The 17th World Federation of Occupational Therapy Congress 2018. Cape Town, South Africa.

Lieberman, D., Arbesman, M., **Liu, C.-J** ... (April 2018). *Systematic review on occupational therapy for older adults with low vision*. American Occupational Therapy Association

Annual Conference and Expo, Salt Lake City, UT.

Lieberman, D., Arbesman, M., **Liu, C.-J.**...Molitor, W. (April 2017). *Systematic review on occupational therapy and productive aging*. American Occupational Therapy Association Annual Conference and Expo, Philadelphia, PA.

Liu, C.-J., Clark, D., Xu, H. (November 2016). *Reducing ADL disability in vulnerable elders: Findings from a pilot comparative trial*. The 69th annual scientific meeting of the Gerontological Society of America, New Orleans, LA.

Liu, C.-J., Clark, D., Xu, H. (May 2016). *Maintaining ADL independence for vulnerable elders: A pilot randomized controlled trial*. Fifth Summit of Occupational Therapy Scholars. Pittsburgh, PA.

Liu, C.-J., *Gutierrez, A.R.M., *Jones, L., & Clark, D. (May 2014). *Feasibility of 3-Step Workout for Life Program to prevent late-life ADL disability*. Third Summit of Occupational Therapy Scholars. Philadelphia, PA.

Wang, H., Kilpatrick, M., Jim, H., Reich, R., Rawl, S. M., Mikesky, A., Weaver, M. T., Bunnell, K., **Liu, C.-J.**, *Mente, M., *Tseng, H., & Visovsky, C. (February 2014). *Physical activity intervention among head and neck cancer survivors*. The Annual Research Conference, Sigma Theta Tau International Honor Society of Nursing, Delta Beta Chapter-at-Large. Tampa, FL.

Liu, C.-J., & Pape, S. (August 2013). *Best practice strategies for patient education with older adults*. The sixth Annual Mid-American Institute on Aging. Evansville, IN.

Liu, C.-J., Pape, S., *Bayson, K., *Hahn, M., *Stahl, L., & *Powers, B. M. (April 2012). *The effect of illustrations on learning about assistive devices for older adults: A pilot study*. American Occupational Therapy Association Annual Conference and Expo, Indianapolis, IN.

Liu, C.-J. (March 2012). *Systematic review and meta-analysis of effects of progressive resistance strength training in older adults*. The First Annual Occupational Science Summit, St. Louise, MO.

Wang, H., Mikesky, A., Weaver, M. T., Bunnell, K., **Liu, C.-J.**, *Mente, M., *Tseng, H., & Rawl, S. M. (October 2011). *Physical activity among head and neck cancer survivors: A trainer tailored Wii Fit intervention*. The Midwestern Conference on Health Games, Indianapolis, IN.

Liu, C.-J., *Becker, J., *Ford, S., *Heine, K., *Scheidt, E. (April 2011). *What are the effects of progressive resistance strength training in the upper extremity in older adults? Answers from a systematic review*. American Occupational Therapy Association Annual Conference and Expo, Philadelphia, PA.

Liu, C.-J., & Latham, N. (November 2008). *Reporting adverse events in progressive resistance*

strength training trials in older adults. The 61st annual scientific meeting of the Gerontological Society of America, National Harbor, MD.

Liu, C.-J. (October 2008). *Progressive resistance strength training in older adults: No train no gain?* The ACRM-ASNR Joint Educational Conference, Toronto, Ontario, Canada.

Liu, C.-J., & Latham, N. (November 2007). *The effect of age on progressive resistance training in older adults: A meta-regression model*. The 60th annual scientific meeting of the Gerontological Society of America, San Francisco, CA.

Liu, C.-J., & McDowd, J. (November 2001). *Visuospatial inattention and daily life performance in people with Alzheimer's disease*. The 20th annual conference of the Occupational Therapy Association of Republic of China, Taipei, Taiwan.

Poster presentations:

Wang, I., Yen, S.C., Rahman, M.H., Li, X., Hou, S., & **Liu, C-J** (Nov 8-11, 2022). Trends in Bone Mineral Density in US 6-80 Years Old: Findings from 2005-2020 NHANES Surveys. American Congress of Rehabilitation Medicine (ACRM) 99th Annual Conference. Chicago, IL.

Wang, I., Yen, S.C., Rahman, M.H., Li, X., Longwell-Grice, E., & **Liu, C-J** (Nov 8-11, 2022). Hierarchical properties and functional staging of the Fugl-Meyer Assessment Lower Extremity Scale. American Congress of Rehabilitation Medicine (ACRM) 99th Annual Conference. Chicago, IL.

Wang, I., Yen, S.C., Rahman, M.H., Kapellusch, J., Li, X., & **Liu, C-J** (Nov 8-11, 2022). Hierarchical properties of the Fugl-Meyer Assessment Upper Extremity Scale for people after stroke. American Congress of Rehabilitation Medicine (ACRM) 99th Annual Conference. Chicago, IL.

Liu, C-J., *Burch, H., *Glover, S., *Donofrio, A., *Oliveros, G, & *Demeo, G (November 2022). *Current practice patterns in home health occupational therapy*. The annual scientific meeting of the Gerontological Society of America, Indianapolis, IN.

Chang, M.C., **Liu, C-J., & Blanche, E** (November 2022). *Sensory processing correlates with depression and perceived stress in older adults*. The annual scientific meeting of the Gerontological Society of America, Indianapolis, IN.

***Mansuy, L., *Jorgensen, M., & Liu, C-J.** (March 2022). *Feasibility of implementing task-oriented exercise in retirement communities: Interview results from fitness staff in Florida*. Oak Hammock Levitt Awards for Student Research on Aging oral presentation competition. Gainesville, Florida.

***Shin, YC., & Liu, C-J.** (February 2022). *Measuring functional cognition to detect subtle ADL decline in prefrail older adults*. PPHP Research Day. University of Florida, Gainesville,

Florida.

- Liu, C-J., & Kroll, C.** (April 2021). *Predicting improvement in self-care among Medicare beneficiaries with an orthopedic hip condition discharged to home from skilled nursing facilities*. American Occupational Therapy Association INSPIRE Annual Conference. Online.
- *Devaney, D., *Joseph, S., Kramer, J., & Liu, C-J.** (February 2021). *Aging with disability and aging into disability: The long-term care services and needs*. Sandra Edwards Colloquium in the Department of Occupational Therapy, the University of Florida, Gainesville, Florida.
- Liu, C-J., Pape, S., Janson., R., & Douglas, C.** (November 2019). *Is a lab workbook helpful for improving OT students' competency and confidence in clinical skills? An example in the practice area of productive aging*. IUPUI Center for Teaching and Learning, Indianapolis, IN.
- Wang, Y-C., Hou, S., Liu, C-J., Rahman, M. H., Kapellusch, J., & Li, X.** (November 2019). *Examination of the Applicability of the Disabilities of the Arm, Shoulder and Hand (DASH) Questionnaire in Outpatients with Shoulder Injuries*. ACRM 96th Annual Conference. Chicago, Illinois.
- Wang, Y-C., Kapellusch, J., Li, X., Yen, Rahman, M. H., & Liu, C-J.** (November 2019). *Shoulder UE Rehabits: Ca-calibrate Three Upper Extremity Functional Questionnaires in Outpatients with Shoulder Injuries*. ACRM 96th Annual Conference. Chicago, Illinois.
- Liu, C-J., *Wolford, C.L., Donovan, J.** (November 2019). *Application of a Logic Model to implement 3-Step Workout for Life to prevent ADL disability*. ACRM 96th Annual Conference. Chicago, Illinois.
- Liu, C-J., *Wolford, C.L., Donovan, J.** (September 2018). *Promoting ADL independence in a local senior living community through 3-Step Workout for Life*. Indiana CTSI Annual Meeting. Indianapolis, Indiana.
- Liu, C-J., Chang, M.C., & Chang, W.P.** (May 2018). *Systematic review of interventions within the scope of occupational therapy on basic ADLs for older adults living in the community: A systematic review*. The 17th World Federation of Occupational Therapy Congress 2018. Cape Town, South Africa.
- Liu, C-J., *Savage, K., *Gibson, B., *Agnew S., *Silcott, K., *Fritz, T., *Graf, E., *Janney, K., & *Jones E.** (May 2018). *Applying interactive computer games to reduce fear of falling in older residents in an independent living community: Findings from two single subject studies*. The 17th World Federation of Occupational Therapy Congress 2018. Cape Town, South Africa.
- Liu, C-J., *Harries, H., *Davis, A., *Schoenfeld, L., & *Romero, T.** (April 2018). *Measuring*

occupational performance in vulnerable older adults: Self-reported or performance-based? American Occupational Therapy Association Annual Conference and Expo, Salt Lake City, UT.

Justiss, M., **Liu, C-J.**, *Appelsie, J., *Fox, D., *Newkam, E., & *Salyer, A. (April 2018).

Driving and thriving: A retrospective analysis of skilled interventions to improve driving ability in practice. American Occupational Therapy Association Annual Conference and Expo, Salt Lake City, UT.

Liu, C-J., Clark D., Keith, N., & Xu, H. (July 2017). *Promoting ADL Independence in Vulnerable Elderly: Six-Month Follow-Up of a Pilot Comparative Trial.* International Association of Gerontology and Geriatrics 21st World Congress, San Francisco, CA.

Liu, C-J., *Bertram, J., *Fredrick, A., *Schuman, D., *Utley, K., & Fess, E. (April 2016). *Is higher grip and arm curl strength correlated to better hand function in community-dwelling older adults?* American Occupational Therapy Association Annual Conference and Expo, Chicago, IL.

*Gutierrez, A., Clark, D., *Radford, L., *Burkert, A., *Lesniewski, K.E., *Threlkeld, E., *Jones, L., & **Liu, C-J.**, (2015). *Feasibility of 3-Step Workout for Life Program to decrease ADL disability in vulnerable older adults.* American Occupational Therapy Association Annual Conference and Expo, Nashville, TN.

Liu, C-J., Clark, D., *Jones, L., & *Gutierrez, A. (November 2014). *Feasibility of 3-Step Workout for Life Program to decrease ADL disability in vulnerable elderly.* The 67th annual scientific meeting of the Gerontological Society of America, Washington DC.

Liu, C-J., *Jones, L. Y., *Gutierrez, A., *Lesniewski, K. E., Clark, D. (April 2014). *Feasibility of 3-Step Workout for Life Program to decrease ADL disability in vulnerable elderly.* IUPUI Research Day. Indianapolis, Indiana.

*Roby, K., **Liu, C-J.**, & *Gutierrez, A. R. M. (April 2014). *What are the correlations between muscle strength, motor coordination, and daily function of the upper extremities in older adults?* IUPUI Research Day. Indianapolis, Indiana.

*Roby, K., **Liu, C-J.**, & *Gutierrez, A. R. M. (July 2013). *What are the correlations between muscle strength, motor coordination, and daily function of the upper extremities in older adults?* IUPUI Summer Research Program. Poster Symposium. Indianapolis, Indiana.

Liu, C-J., Pape, S., *Bayson, K., *Hahn, M., *Stahl, L., & *Powers, B. M. (November 2012). *Learning how to use assistive devices in older adults: Are illustrations helpful?* The 65th annual scientific meeting of the Gerontological Society of America, San Diego, CA.

Liu, C-J., Pape, S., *Ferrell, J., *Turner, E., & *Johanningsmeier, K. (April 2012). *Patient education and gerontic occupational therapy: Perceptions, barriers, and needs.* American Occupational Therapy Association Annual Conference and Expo, Indianapolis, IN.

- Liu, C.-J., & Rawl, S. M.** (November 2011). *What do older adults understand and remember after reading colorectal cancer prevention information?* The 64th annual scientific meeting of the Gerontological Society of America, Boston, MA.
- Liu, C.-J., William, A., *Kinder, J., & *Wilson, A.** (November 2011). *Factors related to understanding a 3D diabetes education video: What matters?* Indiana University of Health and Rehabilitation Sciences First Interdisciplinary Research Conference. Indianapolis, IN.
- Liu, C.-J., William, A., *Kinder, J., & *Wilson, A.** (October 2011). *Factors related to understanding a 3D diabetes education video: What matters?* Health Literacy Annual Research Conference. Chicago, IL.
- Liu, C.-J., & Rawl, S. M.** (September 2011). *What do older adults understand and remember after reading colorectal cancer prevention information?* International Cancer Education Conference, Buffalo, NY.
- Liu, C.-J., & Rawl, S. M.** (May 2011). *What do older adults understand and remember after reading colorectal cancer prevention information?* Cancer Research Day at Indiana University Simon Cancer Center, Indianapolis, IN.
- Liu, C.-J., LaValley, M., & Latham, N.** (November 2010). *Do unblinded assessors bias muscle strength outcomes in randomized controlled trials of progressive resistance strength training in older adults?* The 63rd annual scientific meeting of the Gerontological Society of America, New Orleans, LA.
- Liu, C.-J.** (November 2009). *Text cohesion and readability of common written information related to senior health.* The 62nd annual scientific meeting of the Gerontological Society of America, Atlanta, GA.
- Liu, C.-J., & Kemper, S.** (October 2009). *Text cohesion and comprehension of written health information in older adults.* Health Literacy Annual Research Conference, Washington, DC.
- Liu, C.-J., Rawl, S. M., Imperiale, T. F., & *Tracy, Y.** (May 2009). *Readability of online colorectal cancer screening information.* Cancer Research Day at Indiana University Simon Cancer Center, Indianapolis, IN.
- Latham, N., & Liu, C.-J.** (April 2009). *Does the absence of blinded assessors bias the results of strength trials in older adults?* Pepper Center Annual Meeting, National Institute of Aging, Bethesda, MD.
- Liu, C.-J., & Latham, N.** (April 2009). *The effect of progressive resistance strength training on physical function in older adults: A meta-analysis.* American Occupational Therapy Association Annual Conference and Expo, Houston, TX.
- Liu, C.-J., Kemper, S., McDowd, J., & Mackay, A.** (April 2008). *The use of illustrations to improve older adults' comprehension of health-related information: Is it helpful or redundant?* The 12th biannual Cognitive Aging Conference, Atlanta, GA.
- Liu, C.-J.** (November 2007). *Comprehension of a colon cancer pamphlet for adults at least 50 years of age: Data from the 2003 NAAL Survey.* The 60th annual scientific meeting of the

Gerontological Society of America, San Francisco, CA.

Liu, C.-J., & Kemper, S. (April 2006). *Comprehension of health-related written materials by older adults*. The 11th biannual Cognitive Aging Conference, Atlanta, GA.

Kemper, S., McDowd, J., Metcalf, K., **Liu, C.-J.**, & Mackay, A. (April 2006). *Eye fixations of young and older adults while reading with distracters II: Prose passages*. The 11th biannual Cognitive Aging Conference, Atlanta, GA.

Liu, C.-J., Kemper, S., & Herman, R. (April 2004). *Eye-movements of sentence reading in young and older adults*. The 10th biannual Cognitive Aging Conference, Atlanta, GA.

Invited presentations:

The Integrated Care for Older People (ICOPE) guidelines (December 2018). International Council on Active Aging (ICAA). Webinar.

Interventions for muscle strength and mobility limitation. (November 2015). WHO-ICOPE Integrated Care for Older People Guideline Development Group Meeting. Geneva, Switzerland.

Comprehension of health-related written materials by older adults. Indiana University of Center for Aging Research. (September 2008).

Issues and challenges of translating muscle strength into daily tasks in older adults after exercise. Indiana University Center for Aging Research. (August 2010).

ADVANCED TRAINING IN RESEARCH

The 2nd Annual NIA IMPACT Virtual Training Workshop: Building Skills to Conduct Embedded Pragmatic Clinical Trials for People Living with Dementia and their Care Partners. January 26-27, 2022.

Calibrated rater of Assessment of Motor and Process Skills since 2013.

Summer Research Institute (SRI) on Developing Behavioral Interventions, a three-day research institute provided by Johns Hopkins School of Nursing (Baltimore, MD, June 2012).

NIH Regional Seminar, a two-day seminar on program funding and grants administration (Indianapolis, IN, April 2012) (Online, October 2020).

Accelerating Clinical Trials and Outcomes Research Conference, a two-day workshop on conducting clinical trials and outcomes research sponsored by the American Occupational Therapy Association, the American Occupational Therapy Foundation, and the Agency for Healthcare Research and Quality (Arlington, VA, December 2011).

Write Winning Grant Proposals, a one-day seminar on grant writing process provided by the

Grant Writers' Seminars and Workshops, LLC. on IUPUI campus (November 2009, October 2010, October 2012).

National Assessment of Adult Literacy (NAAL) data set training seminar, a three-day workshop provided by the National Center for Education Statistics (Washington, DC, August 2007).

Cochrane Systematic Review. Completing a Cochrane Systematic Review, a three-day workshop provided by the Cochrane Eyes and Vision Group (Baltimore, MD, July 2007).

Gerontological Society of America/International Association of Gerontology and Geriatrics, pre-conference workshops

- Pragmatic Intervention Trials with Diverse Older Adults. One day workshop (Indianapolis, IN, November 2022)
- Pain and Aging: Measurement, mechanisms, and management. IAGG one day workshop (San Francisco, CA, July 2017).
- Assessing daily activities in old age: Unraveling the complexity of monitors, measures, and methods. One day workshop (Washington DC, November 2014).
- CNS Workshop: Neural mechanisms of mobility impairments. Aging, the central nervous system, and mobility in older adults. Understanding how changes in the CNS contribute to mobility limitations has the potential to inform future intervention studies. One and half day seminar (New Orleans, LA, November 2013).
- Introduction to the Health and Retirement Study: Going global, a four-hour workshop (San Diego, CA, November 2012).
- Current and future challenges in designing behavioral interventions: From randomized trials to community implementation, a four-hour workshop (Boston, MA, November 2011).
- Designing and testing interventions, a four-hour workshop (San Francisco, CA, November 2007).
- Qualitative and mixed research methods: Improving the quality of science and addressing health issues of diverse populations, a one-day workshop (Orlando, FL, November 2005).

American Occupational Therapy Association, pre-conference Institute

- Motivational interviewing to promote patient engagement and self-management (2018), Salt Lake City, UT.

- CarFit technician training plus event coordinator training (2017), Philadelphia, PA.
- Large data and data sharing research: Issues, methods, and opportunities (2016), Chicago, IL.

Eye-tracking technology. Applied Science Laboratories Workshop for Eye Tracker 501 Remote Optics and also Head Mounted Optics, 2 two-day training workshops (Boston, MA, October 2003 & May 2005).

Advance statistics

- Model-based measurement and computerized adaptive testing, a five-day workshop instructed by Hua Hua Zhang (Champaign, IL, June 2010).
- Latent variable methods in aging research workshop: Longitudinal data analysis, a three-day workshop instructed by Rich Jones (Boston, MA, July 2009).
- Modeling intraindividual variability workshop with multilevel models, a four-hour workshop instructed by Martin Sliwinski (Cognitive Aging Conference pre-conference workshop of, Atlanta, GA, April 2008)
- Meta-analysis for public health and medical research, a semester long class instructed by Michael LaValley in the School of Public Health, Boston University, MA (Fall 2006).
- Power analysis in Structural Equation Modeling, a three-hour workshop instructed by David Slegers & Jason Lee (Lawrence, KS, May 2006).
- Introduction to Dyadic Analysis, a two-day workshop instructed by David Kenny (Lawrence, KS, February 2006).
- Analysis of longitudinal data with non-response, a two-day workshop instructed by Scott M. Hofer (Lawrence, KS, May 2005).
- Analysis of correlated change: Multivariate multilevel modeling, a two-day workshop instructed by Lesa Hoffman (Lawrence, KS, May 2005).
- Missing data analysis with NORM, a three-hour workshop instructed by David Slegers (Lawrence, KS, April 2004).
- Analyzing developmental trajectories: A group-based approach, a two-day workshop instructed by Daniel S. Nagin (Lawrence, KS, February 2004).
- Structural equation modeling: Foundations and extended applications, a five-day workshop instructed by Todd D. Little and James A. Bovaird (Lawrence, KS, August 2003).

TEACHING

Department of Occupational Therapy, University of Florida

OTD Courses:

OTH 6620C, Occupation-based practice and rehabilitation: Cognitive, social and perceptual domains, 2 sections, 3 Crs (44 students, 2019; 48 students, 2020; 56 students, 2021)

OTH 6765: Research method and design, 1 section, 3 Crs (24 students, 2021; 24 students, 2022)

OTH 6911: Capstone (4 students, 2021)

PhD Courses:

RSD 6930 Disability, occupation and participation science journal club, 1 Cr (5 students, 2020)

RSD 6930 Development and evaluation of rehabilitation interventions to promote participation, 3 Crs (6 students, 2021)

RSD 6910 Supervised research, 2 Crs (1 student, 2021)

Undergraduate Courses:

HSC4970 Public Health and Health Professions Senior Honors Thesis (1 student, 2020-2021; 1 student, 2021-2022)

HSC4913 Supervised Research Exp (1 student, 2020)

Department of Occupational Therapy, Indiana University (IUPUI):

MSOT Courses:

T525 Reflective seminar I, 1 Cr (2009-2018)

T575 Pathophysiology: Impact of conditions on occupations, 3 Crs (2009-2013)

T625 Reflective seminar II, 1 Cr (2009-2018)

T662 Occupations of adults and older adults, 5 Crs (2008-2018)

T667 Non-thesis OT research project, 3 Crs (2009-2018)

T668 Non-thesis OT research project completion, 2 Crs (2010-2019)

OTD Courses:

T645 Occupational Therapy Practice: Productive aging, 4 Crs (2019)

Occupational therapy fieldwork educator:

1997-1999, Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital, Taipei, Taiwan.

Invited guest lectures:

Health Literacy and Occupational Therapy (Fall 2018). Guest lecture for T545 Occupational

Therapy Practice: Health and Wellness (Class instructor- Prof. Sharon Pape).

From comprehension to communication: Health literacy 101 (Spring 2012). Guest lecture for 16 interns at the Department of Nutrition and Dietetics, School of Health and Rehabilitation Sciences, IUPUI (Invited by Dr. Sara Blackburn).

Let's talk about the Cochrane systematic review (Spring 2010). Guest lecture for T568 Evidence-based practice in occupational therapy. (Class instructor- Dr. Patty Scott).

Activity Measure for Post-Acute Care (AM-PAC) (Spring 2010, Spring 2011, Spring 2012, Spring 2013). Guest lecture for T552 Occupations of adolescents and young adults. (Class instructor- Prof. Robin Janson in 2010, Prof. Fengyi Kuo in 2011, 2012, 2013, & 2014, Prof. Sharon Pape in 2015).

CURRICULUM ENHANCEMENT GRANT

Principal Investigator. *Facilitating clinical skills learning in the practice area of productive aging for doctoral occupational therapy students: A lab workbook development project.* (2018-2019). **IUPUI Center for Teaching and Learning.** \$5,000.

OTD capstone projects supervised at the University of Florida Department of Occupational Therapy:

- *Evaluation of an earlier implemented customized caregiving training program for brain injury survivors and their family caregivers.* Class of 2021. Mary Bradberry.
- *A Competency Framework for New Graduate Hand Therapists.* Class of 2021. Meaghan Fitzpatrick.
- *Assessing the Upper Extremity after Acquired Brain Injury: An Occupational, Evidence-Based Approach.* Class of 2021. Allison Haines.
- *Evaluation and Resource Development for the Veterans Chronic Headache Management Program (CHAMP).* Class of 2021. Megan Manulak.
- *Needs Assessment: Perioperative Education Intervention Elements for the Optimization of Spinal Surgery Outcomes.* Class of 2022. Kaitlin Abbott.
- *Doctoral Capstone Project: The Impact of Meaningful Activity Engagement on the Quality of Life of Individuals with Dementia or Cognitive Decline.* Class of 2022. Breanna Singletary.
- *Utilizing the Teach-Back Method with Cardiac Education to Improve Caregiver Knowledge, Confidence, and Anxiety.* Class of 2022. Antonia Giannetti.
- *Implementation of an Occupation-Based Group Therapy Approach.* Class of 2022. Angelica Rodriguez.
- *Occupational Outcomes in Individuals with Parkinson Disease Using Small Group Functional Skill Training Approach.* Class of 2022. Noelle M. Joyner.

Student non-thesis research projects supervised at the Indiana University Department of Occupational Therapy:

- *Does rehabilitation intensity correlate to self-care outcomes in Medicare beneficiaries with an orthopedic hip condition who were discharged to home from skilled nursing facilities?* Class of 2019. Lauren Barr, Courtney Hayden, Erin Ingram, Niki Pierson, Ashley Suda, and Craig Wright.

*Student Presentation Award at IUOT Research Day, April 2019.

- *The Correlation Between Loneliness and Occupational Performance in Prefrail Community-Dwelling Older Adults.* Class of 2019. Megan Copeland, Anna Doak, Hannah Henss, Lauren Lowe, Lori Uebelhor, & Nicole Weisman.
- *Cognitively stimulating occupations as a means to preserve cognitive function in older adults: A scoping review.* Class of 2018. Valerie Brunso, Dena Carpenter, Megan Parton, Chloe Ream, Amanda Schebler, & Jake Smallwood.

*Student Presentation Award at IUOT Research Day, April 2018.

- *Driving and thriving: A retrospective analysis of skilled interventions to improve driving ability.* Class of 2017. Jamie Appelsies, Danielle Fox, Emma Neukam, & Anna Salyer.
- *Physical activity and health status of older adults living in subsidized housing.* Class of 2017. Alissia Garabrant, Alyssa Keller, Katelyn Mathis, & Rachel Stephens.
- *Show Me Versus Tell Me: Predicting discrepancies in ADL assessment outcomes.* Class of 2017. Alyssa Davis, Hilary Harris, Taylor Reyes, & Louella (Lucy) Schoenfeld.
- *Cognitive training on reducing fear of falling in the elderly: The application of iN2L in a single subject study.* Class of 2016. Taylor Fritz, Erin Graf, Katherine Janney, & Elizabeth Jones.
- *The application of computer technology in fall prevention for senior residents: A single subject study.* Class of 2016. Katie Savage, Brooke Gibson, Sarah Agnew, & Kayci Silcott.
- *The effect of 3-step workout for life program in older adults: A pilot study.* Class of 2015. Kelsey Batson, Christine Dupouy Davis, Jacob Papp, and Lori Radford.
- *Correlation between muscle strength & daily function of the upper extremities in older adults.* Class of 2015. Jessica Bertram, Aaron Fredrick, Deana Schuman, Kristen Utley.
- *Feasibility of 3-Step Workout for Life to prevent late-life disability.* Class of 2014. Amanda Burkert, Alyssa Gutierrez, Leah Jones, & Erika Threlkeld.

*Student Presentation Award at IUOT Research Day, April 2014.

- *Developing an educational fall prevention DVD for older adults.* Class of 2013. Cheryl A. Davis, Sairah Safdar, Deepika M. Shiroy, & Cami J. Walton-Thoeming.
- *The effect of illustrations on learning about assistive devices for older adults: A pilot study.*

Class of 2012. Kim Bayston, Michelle Hahn, Betsy Powers, & Leeann Stahl.

- *Patient education and occupational therapy in the geriatric population*. Class of 2011. Jennifer Ferrell, Kaley Johanningsmeier, & Emily Turner.
- *A systematic review of the effectiveness of low vision interventions on ADLs and IADLs at home for older adults*. Class of 2011. Kristen Mears, Melodie Brost, Vanessa Horton, & Sarah Kenyon.
- *Emotional responses after reading cancer screening information: Implications for occupational therapy's role in cancer prevention*. Class of 2010. Tara Fleck, Joan Goldfarb, Casey Green, & Elizabeth Porter.
- *Effects of progressive resistance strength training in the upper extremity in older adults: A systematic review*. Class of 2010. Jaime Becker, Stephanie Ford, Kirstyn Heine, & Erin Scheidt.

Training from University of Florida

- *SEC Mini-Conference on Artificial Intelligence in the Curriculum* (4/8/2022)
- *Clinical and Translational Science Institute*
 - Mentor academy (Spring 2022)

UF Center for Teaching Excellence

- Effective Lectures, engagement, motivation, and communication planning; Active Learning: Goals & objectives, higher order activities, problem-based learning, and planning. Pathways to Success for New Faculty (Fall 2019).
- Maximize Learning with Discussions (3/25/2020)
- Liven your Zoom Classes with Breakout Rooms (3/27/2020)
- Online Teaching Toolkit (5/28/2020)
- Using Zoom to Make Learning Magic (6/4/2020)
- Anti-Racist Theory & Teaching Practice (3/25/2021)
- Three-part series: UF SEC Certificate in Multicultural Mentoring
 - i. Bridging Differences for Better Mentoring (9/14/2021)
 - ii. Equity Based Mentorship & Supporting Early Career Scholars of Color (10/15/2021)
 - iii. Why Mentoring Matters for DEI: Moving from Research to Practice (11/15/2021)
- Providing Effective Feedback and Evaluations (12/01/2021).

Training from University of Florida Disability Resource Center and UFIT

- Making your course more accessible: Live captioning & Transcription (10/2020)

Training from University of Florida IT

- iClicker Cloud Training (7/22/2022, 8/17/2022)

Faculty Professional Development Seminars

- How to Balance Time for Grading by Dr. George Hack (1/24/2020)
- Problem-based Learning by Dr. George Hack (2/21/2020)
- Writing and Publishing about Teaching Methods by George Hack (10/22/2021)

Training from IUPUI Center for Teaching and Learning:

- Getting Started in Oncourse (2008)
- Constructing Multiple-choice Test Items (2010)
- Grading Efficiently (2010)
- Teaching Excellence: Reflect & Communicate (2010)
- Supporting Your Online Research with Zotero (2010)
- Teaching Today's Student (2011)
- Video Series Day 3: Web-Based Video (2011)
- International Faculty Orientation (2011)
- Introduction to Adobe Presenter (2013)
- Lecturing with the Learner in Mind (2013)
- Teaching @ IUPUI: From Learning Goals to Learning Outcomes (2014)
- Teaching @ IUPUI: Slide Show Presentation Best Practices (2014)
- Getting started with Canvas (2014)
- Using Canvas to Create and Deliver Online Assessments (2015)
- Teaching @ IUPUI: Teaching Large Classes (2015)
- Communicating science effectively to lay audiences (2016): Connecting with Your Audience, Distilling Your Message, and Media Training for Scientists and Physicians.
- Teaching @ IUPUI: Designing Assignments (2016)
- Teaching @ IUPUI: Creating Rubrics (2016)
- Attended "Faculty Enrichment and Education Development (FEED): Making Science Make Sense: Adapting Complex Topics for Multiple Audiences." The training was sponsored by the IU School of Medicine, Office of Faculty Affairs and Professional Development in November 2016 (2 hours).
- Indiana University VoiceThread Training (2017)
- Zoom: The Basics (2017)
- Top Hat: Getting Started for IU Instructors (2017)
- Writing a Teaching Philosophy (2017)

- Curriculum Enhancement Grant Symposium (2018)
- Piazza for Collaborative Learning and Problem-Solving (2018)
- Backwards Course Design (2019)

SERVICE ACTIVITIES

International Services:

- **Invited Expert to attend the Workshop on mHealth for Ageing**, cohost by the University of Geneva and the International Telecommunications Union in Geneva, Switzerland. The workshop's focus was on how to scale up the use of mobile technologies for the ageing population. Over the course of the workshop, experts reviewed relevant evidence, finalized program content, and discussed next steps for rolling out programs at scale (2017).
- **Member of the multidisciplinary expert consensus group of Caring for Older People (COPE)**, World Health Organization (WHO) guideline development group of prevention and management of dependence among older people in low resource settings (2012-2015).
- **Invited External Research Grant Reviewer**
 - Brooks Rehabilitation Collaborative Grants, Florida, United States (2021).
 - National Institute on Disability, Independent Living, and Rehabilitation Research, United States (2021, 2023).
 - Public Health England, United Kingdom (2019)
 - The Swiss National Science Foundation, Switzerland (2016).
 - The Fundación General CSIC, Spanish National Research Council, Spain (2011).

National and Professional Services:

- **GSA Fellows Engagement Workgroup**, member (2023)
- **Associate Editor, *Physical and Occupational Therapy in Geriatrics*** (2023-2025)
- **Reviewer for evidence-based practice project systematic review**
 - *The effectiveness of interventions within the scope of occupational therapy practice to maintain, restore, and improve performance in ADLs and IADLs for older adults with low vision*. Appointed by the American Occupational Therapy Association (2009-2011, and 2017-2018).
 - *Effects of interventions within the scope of occupational therapy on the ADL performance in community-dwelling older adults*. Appointed by the American Occupational Therapy Association (2015-2017).
- **American Occupational Therapy Association practice guideline reviewer.**
 - *Occupational Therapy Practice Guidelines for Older Adults with Low Vision* (2012,

- 2019).
- *Occupational Therapy Practice Guidelines for Productive Aging for Community-Dwelling Older Adults* (2018).
- **American Occupational Therapy Association invited content expert** (2018).
 - I reviewed focus questions and search terms proposed by the Evidence-Based Practice and Advisory Group, who identified a need for a systematic review on chronic condition management for community-dwelling adults.
- **Reviewer for the *American Journal of Occupational Therapy* (2014-)**
- **Guest editor, special issue of productive aging in the *American Journal of Occupational Therapy* (2017-2018)**
- **Invited ad-hoc manuscript reviewer**
 - Ageing and Society* (2009)
 - Aging of Clinical and Experiential Research* (2011)
 - Applied Ergonomics* (2018*2)
 - Archives of Physical Medicine and Rehabilitation* (2014, 2016)
 - BMC Geriatrics* (2015, 2016, 2022*2)
 - BMC Medical Informatics & Decision Making* (2013, 2014)
 - BMC Open* (2019*3)
 - Canadian Journal of Occupational Therapy* (2016, 2017, 2018)
 - Clinical Interventions in Aging* (2011, 2018*2, 2019)
 - Clinical Ophthalmology* (2016*2)
 - Computer Methods and Programs in Biomedicine* (2017)
 - Disability and Rehabilitation* (2011, 2012, 2016, 2017, 2018*2, 2019, 2020*3)
 - Eye and Vision* (2014)
 - Gerontology* (2014)
 - Gerontologist* (2019, 2020, 2021, 2022*2)
 - Health Education Research* (2012*2)
 - Indian Journal of Social and Natural Sciences* (2012)
 - International Journal of Environmental Research and Public Health* (2017, 2021*2)
 - International Journal of Sports Medicine* (2011, 2013)
 - JAMDA* (2018)
 - Journal of Applied Gerontology* (2019)
 - Journal of Aging Research* (2018)
 - Journal of Aging and Physical Activity* (2018, 2019)

Journal of International Medical Research (2016)

Journal of Multidisciplinary Healthcare (2016)

Journal of Musculoskeletal and Neuronal Interactions (2012)

Journal of Physical Activity and Health (2022)

Manual Therapy (2013)

Mount Sinai Journal of Medicine (2011)

OTJR: Occupation, Participation and Health (2017, 2021, 2022, 2023*2)

Occupational Therapy Journal of Research (2023)

Perceptual & Motor Skills (2013, 2014*2, 2015)

PLoS Medicine (2010)

Psychological Reports (2014)

Rehabilitation Process and Outcome (2014)

SAGE Open (2013)

Sports Medicine (2017)

The Gerontologist (2017)

Women in Sport and Physical Activity Journal (2018)

- **Conference abstract reviewer**

American Occupational Therapy Association Conference and Expo (2012-2015, 2019, 2020, 2022, 2023)

Association for Gerontology in Higher Education Annual Meeting (2008-2010)

Gerontological Society of America Annual Scientific Meeting (2008-2012, 2014, 2016, 2018-2023)

ACH (Academy of Communication in Healthcare) Healthcare Communication Research Forum (2020)

Health Literacy Annual Research Conference (2012-2016, 2018)

International Conference on Communication in Healthcare (2017, 2019)

Southern Gerontological Society Annual Conference (2023)

21st International Association of Gerontology and Geriatrics World Congress (2016)

21st International Association of Gerontology and Geriatrics World Congress of Gerontology and Geriatrics, Late-breaker posters (2017)

- **Mentoring**

Mentoring Activities at the University of Florida

Junior Faculty: Dr. Anna Galloway (2021-)

University Scholars Program for UF undergraduate health science honor thesis student:

- Maren Jorgensen (Summer 2020-Spring2022)
- Lauren Mansuy (Summer 2021-Spring2021)

Supervised Research for UF undergraduate health science student: Stephanie Hanley (Spring 2020)

Faculty Mentor for the Active Learning Program at UF: Lorraine Penias & Khadijah F. Dabo (Spring 2020); Allie Armstrong & Chris Georgas (Spring 2022).

Mentoring Activities at Indiana University

IUPUI Life-Health Sciences Intern Mentor for Demi Zoeller (2014-2015), and Charly Wolford (2015-2016).

2014 Capstone project supervisor for Kelly Norton, IUPUI Department of Physical Education Internship Program.

2013 Capstone project supervisor for Katie Lesniewski, IUPUI Department of Physical Education Internship Program.

2013-2014 Bridges to the Baccalaureate Summer Research Program Mentor for the Bridges Scholar Keishona L. Roby. The Bridges to the Baccalaureate program is an NIH funded initiative that links IUPUI and Ivy Tech. The program is directed by Dr. Andrew D. Gavrin. The goal of this collaboration is to provide a bridge for underrepresented minority students at Ivy Tech who wish to transfer to IUPUI when they complete their Associates degree.

Volunteer facilitator for the event of “Mentoring Consultancies for Emerging Scholars” in the 65th Annual Scientific Meeting of the Gerontological Society of America. (2012). San Diego, CA.

Advisory board member on Dr. Hsiao-Lan Wang’s research grant (2011-2012), “*Physical activity intervention among head and neck cancer survivors.*” Dr. Wang was a T32 postdoctoral research fellow at School of Nursing, IUPUI, now is faculty at University of South Florida. Duties included developing *tailored Wii-Fit intervention protocol and intervention design.*

IUPUI site faculty sponsor for Courtney Lynam Scherr who was a doctoral student of health communication program at the Purdue University on her project (2011), “*Evaluating the use of illustrations and readability strategies to improve informed consent statements for cancer clinical trials.*”

- **Board of Directors, Minority Health Coalition of Marion County, Indianapolis, IN** (2012-2014).
- **Member of the Diversity Ad Hoc Committee, American Occupational Therapy Association** (2012-2013)
- **Conference paper presentation session chair**

Understanding physical activity (2010). The 62nd annual scientific meeting of the Gerontological Society of America, New Orleans, LA.

- **Invited speaker at IOTA's Day at the Capitol (2019).**

Departmental and University Services at the University of Florida (2019-):

- **PHHP Teaching Excellence Committee** (member, 2021-2022; chair, 2022-2023)
- **Departmental admission committee** (co-chair, 2020-)
- **Departmental scholarship committee** (member, 2020-2021)
- **Departmental AOTA conference committee** (co-chair, 2020-2021)
- **Sandra Edwards Colloquium and Dean's scholar planning committee** (member, 2020-2022)
- **Departmental clinical track faculty search committee** (member, 2020)
- **ACOTE onsite review subcommittee** (member, 2021)
- **OTD capstone faculty mentor**
 - Class 2021: Allison Haines, Hannah Burch, Mary Bradberry, and Megan Manulak
 - Class of 2022: Noelle Joyner; Angelica Rodriguez; Breanna Singletary; Kaitlin Abbott; & Antonia Giannetti
- **OTD student academic advisor**
 - Class 2022: 4 students
 - Class 2023: 5 students
 - Class 2024: 6 students

Departmental and University Services at Indiana University (IUPUI) (2008-2019):

- **Associate Dean for Research of IU School of Health and Rehabilitation Sciences Search and Screen Committee** (Member, 2012-2013).
- **Admission Committee** of the Occupational Therapy Department (Member, 2008- 2010).
- **Scholarship/Fellowship Committee** of the Department of Occupational Therapy (Chair, 2012- 2016; Member, 2008-2012; 2016-2018).
- **Health Science Faculty Search and Screen Committee** (Member, 2009).
- **Physician Aid Faculty Search and Screen Committee** (Member, 2011).
- **Occupational Therapy Faculty Search and Screen Committee** (Member, 2013-2014, 2018-2019; Chair, 2015-2017).
- **Program Assistant to the Department of Occupational Therapy Search and Screen Committee** (Member, 2014).
- **Ad Hoc Curriculum Review Committee of the IU OTD Post Professional program** (Member, Spring 2015-Spring 2016)

- **Director of Research at Indiana University Department of Occupational Therapy** (2013-2019).
- **School of Health and Rehabilitation Sciences Governance Committee** (Chair, 2012-2015; Member, 2009-2011).
- **School of Health and Rehabilitation Sciences Promotion and Tenure Committee** (Member, 2016-2018)
- **School of Health and Human Sciences Promotion and Tenure Committee** (Member, 2018-2019)
- **School of Health and Rehabilitation Sciences Ad Hoc Student Grievance Committee** (Member, January 2017)
- **IUPUI Branch of the Asian Pacific American Faculty and Staff Council (APAFSC)**, Subcommittee member of professional development (2011- 2013).
- **Poster Judge on Indiana University Cancer Research Day** (May 2013, May 2014).
- **Poster Judge, Indiana Medical Student Program for Research and Scholarship Poster Session** (July 2018).
- **Behavioral representative, Data Safety and Monitor Committee, Clinical Research Office, IU Simon Cancer Center** (2014-2016)
- **SHRS Representative to IUPUI Faculty Council** (2017-2018)
- **SHHS Representative to IUPUI Promotion and Tenure Committee** (2018-2019)
- **Indiana CTSI CHeP Trailblazer Award Grant Reviewer** (2017)
- **Invited reviewer for pilot research projects in Cancer Prevention and Control at the Indiana University Simon Cancer Center** (Fall 2018, Spring 2019)
- **Dissertation committee member**
Khalid Abdullah Binshaiq. Participation assessment of persons with disabilities in Saudi Arabia, using the (RCv3). Performance & satisfaction as a tool of measurement. (2018-2019)
- **Graduate occupational therapy student academic adviser** (2009-2019)