

Amy G. Hartman, PhD, OTR/L

CURRICULUM VITAE

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EDUCATION and TRAINING

UNDERGRADUATE

<u>Dates Attended</u>	<u>Institution</u>	<u>Degree Received, Year</u>	<u>Major Discipline</u>
2005 -2009	Xavier University, Cincinnati, OH	Bachelor of Science, 2009	Human Occupation Studies

GRADUATE

<u>Dates Attended</u>	<u>Institution</u>	<u>Degree Received, Year</u>	<u>Major Discipline</u>
2009 - 2010	Xavier University, Cincinnati, OH	Master of Science, 2010	Occupational Therapy
2018 - 2022	University of Pittsburgh, Pittsburgh, PA	Doctor of Philosophy, 2022	Health and Rehabilitation Sciences

DISSERTATION TITLE: An exploration of Pediatric Sleep Health in a Special Population

DISSERTATION ADVISOR: Roxanna Bendixen, PhD

DISCIPLINE SPECIALIZATION: Pediatrics, Sensory Processing and Integration, Pediatric Sleep

APPOINTMENTS and POSITIONS

ACADEMIC POSITIONS

<u>Years</u>	<u>Department, Name and Location of Institution</u>	<u>Rank/Title</u>
2017	Department of Occupational Therapy, Chatham University, Pittsburgh PA	Guest Lecturer
2018- 2022	Department of Occupational Therapy, University of Pittsburgh, Pittsburgh PA	Graduate Student Researcher
2022-2024	Department of Psychiatry, University of Pittsburgh, Pittsburgh PA	Post-Doctoral Fellow
2024- present	Department of Occupational Therapy, University of Pittsburgh, Pittsburgh PA	Assistant Professor

NON-ACADEMIC POSITIONS

<u>Years</u>	<u>Department, Name and Location of Institution</u>	<u>Rank/Title</u>
2010-2012	Unique Prints Pediatric Therapy Services, Denver CO	Lead Occupational Therapist
2013-2018	The Children's Institute, Pittsburgh, PA	Staff Occupational Therapist
2016-2017	Phipps Conservatory, Pittsburgh, PA	Guest Educator
2017	Council of Three Rivers American Indian Center, Head Start Program	Guest Educator

CERTIFICATION and LICENSURE**SPECIALTY CERTIFICATION**

National Board of Certification in Occupational Therapy, #281783

PROFESSIONAL LICENSURE

Commonwealth of Pennsylvania Occupational Therapy License, #OC012707

MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES

ORGANIZATION	DATE
American Occupational Therapy Association Member # 000004292125	2010-present
Pennsylvania Occupational Therapy Association Member # 55203810	2018-present
Sleep Research Society Member #C461140	2019-present
Center for Sleep and Circadian Science trainee	2019-present
Sensory Integration Education Network Member # 56868591	2020-present
Diversity in Rhythms and Sleep Subcommittee: member	2020-present
World Federation of Occupational Therapy member	2021-present
American Academy of Sleep Medicine Member #C461140	2021-present
International Society for Autism Research	2022-present
International Pediatric Sleep Association	2024-present

AWARDS and HONORS

HONOR OR AWARD TITLE	DATE AWARDED
Sleep and Circadian Workshop in Indispensable Methods 2020 (University of Pittsburgh Center for Sleep and Circadian Science)	August 2020
Three Minute Thesis First Runner-Up (University of Pittsburgh)	April 2021
Three Minute Thesis People's Choice Award (University of Pittsburgh)	April 2021
Dissertation three-minute presentation winner (Occupational Therapy Summit of Scholars)	June 2021
Sleep and Circadian Workshop in Indispensable Methods 2021 (University of Pittsburgh Center for Sleep and Circadian Science)	November 2021
Sleep and Circadian Workshop in Indispensable Methods 2022 (University of Pittsburgh Center for Sleep and Circadian Science)	April 2021
Annual Sleep Conference Trainee Merit Award (Sleep Research Society)	April 2022
Nomination for CGS/ProQuest Distinguished Dissertation Award	June 2022
Young Investigators Research Forum Scholarship (American Association of Sleep Medicine)	January 2023
Trainee Travel Award (International Society for Autism Research)	February 2023
Sleep and Circadian Workshop in Indispensable Methods 2023 (University of Pittsburgh Center for Sleep and Circadian Science)	April 2023
Annual Sleep Conference Trainee Merit Award (Sleep Research Society)	June 2023
Leadership Development Workshop (Sleep Research Society)	June 2023
Post Graduate Course Scholarship (Sleep Research Society)	June 2023
Inclusive Leadership Workshop (American Assoc of Sleep Medicine)	June 2024

PUBLICATIONS and PRESENTATIONS**PUBLISHED MANUSCRIPTS**

*Denotes senior author

ORIGINAL PEER-REVIEWED MANUSCRIPTS

1. **Hartman, A. G.**, Terhorst, L., Little, N., & Bendixen, R. M. (2020). Uncovering sleep in young males with Duchenne muscular dystrophy. *European Journal of Paediatric Neurology*. 26, p. 20-28. <https://doi.org/10.1016/j.ejpn.2020.02.012> (Impact 3.14)
2. **Hartman, A.G.**, McKendry, S., & Bendixen, R. (2021) Comparing contributors of parental sleep health in families with and without a child with Duchenne muscular dystrophy. *Sleep Health*. 8(1), 107- (Impact 4.45)
3. **Hartman, A.**, Elkhadrawi, M., McKendry, S., Akcakaya, M., & Bendixen, R. M. (2022). Towards Remote Monitoring of Dynamic Arm Supports for Individuals with Duchenne Muscular Dystrophy Using 3D Accelerometry. *Expert Systems with Applications*, 117712.
4. **Hartman, A.G.**, McKendry, S., Soehner, A., Bodison, S., Akcakaya, M., DeAlmeida, D., & Bendixen, R. (2022) Characterizing sleep differences in children with and without sensory sensitivities. *Frontiers in Psychology*. 2787.
5. **Hartman A.G.**, McKendry S, Akcakaya M, Soehner A, Bodison SC, DeAlmeida D, Bendixen R. (2023) Characterizing rest-activity rhythms and sleep for children with and without tactile sensitivities: An observational study. *Sleep Med.*;106:8-16. doi: 10.1016/j.sleep.2023.03.024.
6. **Hartman, A. G.**, Caspero, K., Bodison, S. C., Soehner, A., Akcakaya, M., DeAlmeida, D., & Bendixen, R. (2024). Pediatric occupational therapists' perspectives on sleep: A qualitative descriptive study. *American Journal of Occupational Therapy*, 78, 7803205010. <https://doi.org/10.5014/ajot.2024.050352>
7. MacKenzie, K.T., Crown, M.J., Northrup, J.B., Rutenberg, E., **Hartman, A.G.**, & Mazefsky, C.A. (2024) Correlates of impairment and growth in families of young autistic children. *Journal of Autism and Developmental Disorders*. <https://doi.org/10.1007/s10803-024-06339-w>.

UNDER REVIEW MANUSCRIPTS

1. *Kocanaogullari, D., Akcakaya, M., Bendixen, R., Soehner, A., & **Hartman, A.G.** (2023) What goes on when the lights go off? Using machine learning techniques to characterize a child's settling down period [Under Review]. Department of Psychiatry, University of Pittsburgh
2. Northrup, J.B., **Hartman, A.G.**, MacKenzie, K.T., Sivathasan, S., Eldeeb, S., & Mazefsky, C.A. (2023) Emotion dysregulation in autism: severity and predictors in early childhood. [Under Review]. Department of Psychiatry University of Pittsburgh
3. **Hartman, A.G.**, Crown, M., Northrup, J., MacKenzie, K.T., Ionadi, A., Soehner, A., & Mazefsky, C. (2024) Navigating Sleep and Emotion in Autism: Insights from Mediation Analyses on Bidirectional Relationships. [Under Review]. Department of Psychiatry, University of Pittsburgh
4. *Browning, J., Ludwig, R., Eakman, A., Sanders, M., Faulkner, S., Enam, N., van der Veen, R., Latella, D., Poole, Cindy, Bendixen, R., & **Hartman, A.G.** Restful Rehabilitation: Sleep's Essential Role in OT Education, Practice, and Research [Under review]. Department of Occupational Therapy, University of Pittsburgh

PUBLISHED ABSTRACTS

1. Bendixen, R., **Hartman, A.**, Little, N., Feltman, M. (2019) Accelerometer prediction equations in boys with Duchenne muscular dystrophy: importance of disease-specific equations. *Neuromuscular Disorders*, 29(1): s107. <https://doi.org/10.1016/j.nmd.2019.06.254>
2. Hall, D., Silverman, N., Beck, M., Feltman, M., **Hartman, A.** & Bendixen, R. (2020). Exploring the benefits of dynamic arm supports to enable upper extremity function in men with Duchenne muscular dystrophy: A randomized clinical trial. *American Journal of Occupational Therapy*,

74(4_Supplement_1), 7411505140p1-7411505140p1. <https://doi.org/10.5014/ajot.2020.74S1-PO4731>

3. Silverman, N, Beck, M., Hall, D., **Hartman, A.** & Bendixen, R. (2020) Using actigraphy for understanding activity and sleep patterns in young boys with Duchenne muscular dystrophy during a clinical drug trial. *American Journal of Occupational Therapy*, 74(4_Supplement_1), 7411505217p1-7411505217p1. <https://doi.org/10.5014/ajot.2020.74S1-PO9120>
4. **Hartman, A. G.**, Terhorst, L., Little, N., Yeh, C., & Bendixen, R. (2020) Circadian Rhythms, Sleep, and Chronic Disease: A Look into Duchenne Muscular Dystrophy. *American Journal of Occupational Therapy*, 74(S1). <https://doi.org/10.5014/ajot.2020.74S1-RP201C>
5. **Hartman, A.G.**, Smagula, S.F. & Bendixen R. (2020). Sleep and activity rhythms in children with Duchenne muscular dystrophy. *Sleep*, 43, A372. <https://doi.org/10.1093/sleep/zsaa056.976>
6. Bendixen, R., McKendry, S., Silverman, N, & **Hartman, A.G.** (2021) Get moving and get snoozing: Physical activity and sleep in young boys with DMD during a clinical trial [Interactive poster presentation]. *American Journal of Occupational Therapy*, 75(Supplement_2), 7512500048p1. <https://doi.org/10.5014/ajot.2021.75S2-RP48>
7. **Hartman, A.**, Bendixen R. (2021) Understanding the link: Sleep and sensory processing. *American Journal of Occupational Therapy*, 75(Supplement_2).
8. **Hartman, A.**, Soehner, A., Smagula, S., McKendry, S., & Bendixen, R. (2022). 0510 Parent and Child Perception of Sleep for Children with Sensory Processing Difficulties. *Sleep*, 45(Supplement_1), A225-A226. <https://doi.org/10.1093/sleep/zsac079.507>
9. **Hartman, A.G.**, Kocanaogullari, D., Soehner, A., Bendixen, R., & Akcakaya, M. (2023) Applying machine learning to examine settling down period for children with and without sensory hypersensitivities. *Sleep*, Volume 46, Issue Supplement_1, p. A335–A336, <https://doi.org/10.1093/sleep/zsad077.0760>
10. **Hartman, A.G.**, Northrup, J.B., MacKenzie, K.T., Soehner, A., & Mazefsky, C. (2023) Sleepy Tots: Contributors to Sleep Disturbance in Young Children with and without Autism. Final Paper Number 416.310, International Society for Autism Research Annual Meeting (INSAR), www.autism-insar.org
11. MacKenzie, K.T., Crown, M.J., Northrup, J.B., Rutenberg, E., **Hartman, A.G.**, & Mazefsky, C.A. (2024) Correlates of impairment and growth in families of young autistic children. *Journal of Autism and Developmental Disorders*. <https://doi.org/10.1007/s10803-024-06339-w>.

PEER-REVIEWED SEMINARS and PRESENTATIONS

1. Feltman, M., **Hartman, A.** Little, N., Bendixen, R. (2019) *Use of dynamic arm supports in individuals with upper extremity weakness: Passively actuated and actively actuated devices* [Interactive technology session]. American Occupational Therapy Association Annual Conference, New Orleans, LA.
2. **Hartman, A.**, Silverman, N, Beck, M., Hall, D., Terhorst, L., Bendixen, R. (2019). *Data blitz presentation on sleep in Duchenne muscular dystrophy*. Sleep and Circadian Science Research Day, Pittsburgh, PA.
3. **Hartman, A.**, Terhorst, L., Little, N., Yeh, C. and Bendixen, R. (Conference canceled). *Circadian Rhythms, Sleep, and Chronic Disease: A look into Duchenne muscular dystrophy* [Research panel oral presentation]. American Occupational Therapy Association Annual Conference, American Journal of Occupational Therapy, 74(4_Supplement_1), <https://doi.org/10.5014/ajot.2020.74S1-RP201C>
4. **Hartman, A.** (2021) *Sleep health in children with sensory processing disorder* [Three Minute Dissertation Competition]. The University of Pittsburgh, virtual. *Won second place and People's Choice Award*.
5. **Hartman, A.** and Bendixen R. (2021) *Understanding the link: Sleep and sensory processing* [Short course]. American Occupational Therapy Association Annual Conference, virtual.
6. **Hartman, A.** and Bendixen, R. (2021). *Work in progress: Sleep health in special pediatric populations* [Work in progress presentation]. Occupational Therapy Summit of Scholars, virtual.

7. **Hartman, A.** (2021). *Sleep Health in Children with Sensory Processing Disorder* [Three Minute Dissertation Competition]. Occupational Therapy Summit of Scholars, virtual. *Tied for first place.*
8. **Hartman, A.** and Bendixen, R. (2022). *Sleep health in children with sensory processing concerns* [Three Minute Thesis]. World Federation of Occupational Therapy Congress, Paris, France.
9. **Hartman, A.G.** (2022) *Data Blitz: An exploration of pediatric sleep health in a special population.* Center for Sleep and Circadian Science Research Day, Pittsburgh, PA.
10. Northrup, J., Szkoda, K., MacKenzie, K., **Hartman, A.**, Mazefsky, C. (2023) *Predictors of Parent Responses to Child Negative Emotions in Parents of Young Autistic Children.* Talk accepted as part of panel: "Parent-Child Dynamics and Emotion Regulation in Families of Autistic Children" (Chair: Jessie B. Northrup)
11. **Hartman, A.G.** (2023) *Settling down to fall asleep: The role of pre-sleep arousal in sleep health for autistic youth.* [Work in progress presentation] Occupational Therapy Summit of Scholars, Columbus, OH.
12. **Hartman, A.G.** (2023) *What goes on when the lights go off? Using Machine Learning to Explore the Settling Down Period for Children with Sensory Over-responsivity.* [Data Blitz presentation] Center for Sleep and Circadian Science Research Day, Pittsburgh, PA.
13. **Hartman, A.G.**, Crown, M., Northrup, J., MacKenzie, K., Ionadi, A., Soehner, A., & Mazefsky, C. (2024) *Navigating Sleep and Emotion in Autism: Insights from mediation analyses on bidirectional relationships.* [Conference presentation]. Occupational Therapy Summit of Scholars, Gainesville, FL, USA.

INTERACTIVE POSTER PRESENTATIONS

1. Feltman, M. Little, N., **Hartman, A.** Bendixen, R. (2018) *Dynamic arm supports: Promoting activities of daily living* [Interactive poster session]. Pennsylvania Occupational Therapy Association Annual Conference, Pittsburgh, PA.
2. Little, N., Feltman, M., **Hartman, A.**, Bendixen, R. (2019) *Algorithms to categorize levels of activity in boys with Duchenne muscular dystrophy* [Interactive poster presentation]. American Occupational Therapy Association Annual Conference, American Journal of Occupational Therapy. 73(4_Supplement_1): 7311500007. <https://doi.org/10.5014/ajot.2019.73S1-PO1007>
3. **Hartman, A.**, Silverman, N, Beck, M., Hall, D., Terhorst, L., Bendixen, R. (2019) *Uncovering sleep in Duchenne muscular dystrophy* [Interactive poster presentation]. 15th Annual Rehabilitation Institute Research Day, Pittsburgh, PA.
4. **Hartman, A.**, Silverman, N, Beck, M., Hall, D., Terhorst, L., Bendixen, R. (2019) *Uncovering sleep in Duchenne muscular dystrophy* [Interactive poster presentation]. Occupational Therapy Summit of Scholars, Charleston, SC.
5. **Hartman, A.**, Silverman, N, Beck, M., Hall, D., Terhorst, L., Bendixen, R. (2019). *Uncovering Sleep in Duchenne Muscular Dystrophy* [Interactive poster presentation]. Sleep and Circadian Science Research Day, Pittsburgh, PA.
6. Hall, D., Silverman, N., Beck, M., Feltman, M., **Hartman, A.** & Bendixen, R. (2020). *Exploring the benefits of dynamic arm supports to enable upper extremity function in men with Duchenne muscular dystrophy: A randomized clinical trial* [Interactive poster presentation-conference cancelled]. American Occupational Therapy Association Annual Conference, Boston, MA.
7. Silverman, N, Beck, M., Hall, D., **Hartman, A.** & Bendixen, R. (2020) *Using actigraphy for understanding activity and sleep patterns in young boys with Duchenne muscular dystrophy during a clinical drug trial* [Interactive poster presentation-conference cancelled]. American Occupational Therapy Association Annual Conference, Boston, MA.
8. **Hartman, A.G.**, Smagula, S.F. & Bendixen R. (2020) *Sleep and activity rhythms in children with Duchenne muscular dystrophy* [Interactive poster presentation]. 34th Annual Meeting of the Associated Professional Sleep Societies, virtual conference.
9. **Hartman, A.G.**, Smagula, S., & Bendixen, R. (2020). *Sleep and activity rhythms in Duchenne muscular dystrophy* [Interactive poster presentation]. University of Pittsburgh's Rehabilitation Institute Research Day, Pittsburgh, PA.

10. Bendixen, R., McKendry, S., Silverman, N., & **Hartman, A.G.** (2021) *Get moving and get snoozing: Physical activity and sleep in young boys with DMD during a clinical trial* [Interactive poster presentation]. American Occupational Therapy Association Annual Conference, online.
11. **Hartman, A.G.**, McKendry, S., & Bendixen, R. (2021). *Sleep health in children with sensory processing difficulties* [Interactive poster presentation]. Sleep and Circadian Research Day, Pittsburgh, PA.
12. **Hartman, A.G.**, Soehner, A., Smagula, S.F., McKendry, S., & Bendixen, R. (2022) *Parent and child perception of sleep for children with sensory processing difficulties*. [Interactive poster presentation]. University of Pittsburgh's Occupational Therapy Colloquium, Pittsburgh, PA, virtual.
13. **Hartman, A.**, Soehner, A., Smagula, S., McKendry, S., & Bendixen, R. (2022) *Parent and Child Perception of Sleep for Children with Sensory Processing Difficulties* [Interactive poster presentation]. Associated Professional Sleep Society Meeting, Charlotte NC.
14. Crown, M.J., MacKenzie, K.T., Northrup, J.B., **Hartman, A.G.**, & Mazefsky, C.A. (2023, May). Contributors to family life impairment for families of young autistic children. Poster presentation at the Association for Psychological Sciences Annual Meeting, Washington D.C., USA.
15. **Hartman, A.G.**, Kocanaogullari, D., Soehner, A., Bendixen, R., & Akcakaya, M. (2023) Applying machine learning to examine the settling down period for children with and without sensory hypersensitivities. [Interactive poster presentation]. Annual Meeting of the Associated Professional Sleep Societies, Indianapolis, IN.
16. **Hartman, A.G.**, Northrup, J.B., MacKenzie, K.T., Crown, M., Ionadi, A., Soehner, A., & Mazefsky, C.A. (2023) *Sleepy tots: Contributors to sleep disturbance in young children with and without autism*. Department of Psychiatry Research Day, University of Pittsburgh, PA.

INVITED PUBLICATIONS, PAPERS, BOOKS, BOOK CHAPTERS

1. **Hartman, A.G.**, Bodison, S., & Bendixen, R. (2021) Sleep and sensory processing: Recognizing the relationship. *SensorNet*, 57, 25-28.
2. **Hartman, A.** (2021). Sleep and sensory processing: A critical relationship? *SIS Quarterly Practice Connections*, 6(4), 5-7.

INVITED PRESENTATIONS

1. **Hartman, A.** (2019) *The occupation of sleep* [Lunch and Learn]. The Occupational Therapy Department at the University of Pittsburgh, Pittsburgh, PA.
2. **Hartman, A.G.** (2021) *Understanding the link between sleep and sensory processing*. Canadian Association of Occupational Therapists' Practice Evidence Webinar, virtual.
3. **Hartman, A.G.** (2022) *Understanding the link between sleep and sensory processing*. Saturday Seminar Webinar through the Therapro Company, virtual.
4. **Hartman, A.G.** (2022) *Characterizing Sleep Differences in Children with and without Sensory Sensitivities*. Sensory Integration Education's Annual Conference, virtual.
5. **Hartman, A.G.** (2022) *Sleep and Sensory Processing: Understanding the Link in Autism*. Educational seminar for the Center for Autism and Developmental Disorders at the University of Pittsburgh, virtual.
6. **Hartman, A.G.** (2023) *What goes on when the lights go off? Uncovering specific sleep difficulties for neurodiverse children and their families*. Research – Teaching Scholarship Roundtable at the University of Oklahoma, virtual.
7. **Hartman, A.G.** (2023) *Research in Progress Presentation*. Multidisciplinary Sleep and Chronobiology Conferences, Center for Sleep and Circadian Science, University of Pittsburgh, virtual.
8. **Hartman, A.G.** (2023) *Building Bridges in science: Sleep research as an occupational therapist*. Sleep and Development Laboratory, University of Colorado- Boulder, Graby, CO.
9. **Hartman, A.G.** (2023) *Supporting sleep health for autistic children and their families*. Invited lecture, Colorado State University, Fort Collins, CO.
10. **Hartman, A.G.** (2023) *Sleep and Sensory Processing*. Invited lecture, Sleep Research Society Virtual Seminar Series, virtual.

RESEARCH**GRANT FUNDING****Current Grant Support**

<u>Grant Name</u>	<u>Grant Title</u>	<u>Project Role</u>	<u>Years Inclusive</u>	<u>Source</u>
Fellowship in ADHD	Settling down for sleep: The impact of sensory and arousal systems on sleep in ADHD	Principal Investigator	2024-2026	Klingenstein Third Generation Foundation

Completed Grant Support

<u>Grant Name</u>	<u>Grant Title</u>	<u>Project Role</u>	<u>Years Inclusive</u>	<u>Source</u>
Research Development Fund	Occupational therapist perspective on pediatric sleep health	Principal Investigator	2020-2021	School of Health and Rehabilitation Sciences, University of Pittsburgh
PhD Research Award	Measuring multidimensional sleep health in children with and without sensory processing concerns	Principal Investigator	2021-2023	School of Health and Rehabilitation Sciences, University of Pittsburgh
PhD Research Projects Grant	Sleep health in children with sensory processing disorder	Principal Investigator	2021-2023	Sensory Integration Education Network, United Kingdom
T32 HL082610	Translational Research Training in Sleep and Circadian Science	Postdoctoral Fellow	2022-2023	National Heart, Lung, and Blood Institute (NHLBI)

LABORATORY MEMBERSHIPS

<u>Laboratory Name, Principal Investigator (University)</u>	<u>Years Inclusive</u>
Pediatric Research Lab, PI: Bendixen, R (U of Pittsburgh)	2018-2022
Sleep and Affective Neuroscience Lab, PI: Soehner, A (U of Pittsburgh)	2022-2024
Sensory Development Lab, PI: Bodison, S. (U of Florida)	2022-present
Regulation of Emotion in Autistic Adults, Children, and Teens: PI Mazefsky, C. (U of Pittsburgh)	2022-present

OTHER RESEARCH RELATED ACTIVITIES

<u>Scientific Review: Journals and Organizations</u>	<u>Years Inclusive</u>
1. Reviewer, American Journal of Occupational Therapy	2020-present
2. Reviewer, Pennsylvania Occupational Therapy Association	2021-present
3. Reviewer, Neuroscience & Biobehavioral Reviews	2022-present
4. Reviewer, Oxford University Press	2023-present

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| 5. Reviewer, <i>Frontiers in Sleep</i> | 2023-present |
| 6. Reviewer, <i>Behavioral Sleep Medicine</i> | 2023-present |
| 7. Reviewer, <i>Child: Care, Health & Development</i> | 2024-present |
| 8. Reviewer, <i>Occupational Therapy Journal of Research</i> | 2024-present |
| 9. Reviewer, <i>Sleep Advances</i> | 2024-present |

RESEARCH TRAINING, CONTINUING EDUCATION ATTENDED

<u>Title of the Course</u>	<u>Location</u>	<u>Date</u>
1. Choosing a Research Question and Implications for Efficient Clinical Trials	National Institutes of Health	Aug 29, 2018
2. Orientation to Research Fundamentals Retreat	U of Pittsburgh	Oct 18, 2018
3. Patient's Perspective and Selection	National Institutes of Health	Jan 22, 2019
4. The Single IRB Mechanism	U of Pittsburgh	June 3, 2019
5. How and What to Cut	HSRD Cyber Seminar	Jan 27, 2020
6. Grant Writing Strategies, Tactics, & Techniques	U of Pittsburgh	March 27, 2020
7. Grant Budget Management	U of Pittsburgh	May 1, 2020
8. Infographics: Communicating Information Visually	U of Pittsburgh	May 5, 2020
9. Introduction to R	U of Pittsburgh	June 23, 2020
10. Getting Systematic about Systematic Reviews	U of Pittsburgh	July 16, 2020
11. Trainee Grant Tips	National Institutes of Health	Aug 12, 2020
12. Manuscript Proposals & Authorship Agreements	U of Pittsburgh	Oct 30, 2020
13. Exempt Protocols	U of Pittsburgh	Nov 23, 2020
14. Overview of Clinical Study Design	National Institutes of Health	Jan 12, 2021
15. Sleep Disparities	U of Pittsburgh	Jan 15, 2021
16. Randomization	National Institutes of Health	Jan 23, 2021
17. Hypothesis Testing	National Institutes of Health	Jan 30, 2021
18. Community-Based Participatory Research in Health	U of Pittsburgh	Feb 5, 2021
19. Social Determinants of Health Framework	U of Pittsburgh	Feb 25, 2021
20. Developing and Tailoring Implementation Strategies: An Implementation Mapping Approach	VA Cyber Seminar	March 4, 2021
21. Why do a meta-analysis?	U of Pittsburgh	March 12, 2021
22. Data Security	U of Pittsburgh	March 22, 2021
23. Fixed and Random Effects	VA Health Services Research and Development	April 7, 2021
24. Understanding and Addressing Structural Racism and Health Inequities: The 'Sleep Exposome Across the Life course' Example	U of Pittsburgh	April 15, 2021
25. OSF: Open Science Framework	U of Pittsburgh	April 16, 2021
26. Authorship Misconduct	U of Pittsburgh	April 23, 2021
27. Conflicts of Interest	U of Pittsburgh	June 4, 2021
28. Research and Quality Improvement	U of Pittsburgh	July 21, 2021
29. Authorship Agreements in Team Science	U of Pittsburgh	Dec 10, 2021
30. Authorship	U of Pittsburgh	Jan 7, 2022
31. Responsibly conveying research through media	U of Pittsburgh	Feb 4, 2022
32. Mentor/Mentee relationships	U of Pittsburgh	Mar 4, 2022
33. Informed Consent	U of Pittsburgh	April 1, 2022
34. Diversity, Equity, and Inclusion in Sleep and Circadian Research	U of Pittsburgh	May 6, 2022
35. Civility	U of Pittsburgh	Oct 21, 2022
36. Authorship and Authorship Agreements	U of Pittsburgh	Nov 18, 2022

37. Peer Review	U of Pittsburgh	Dec 16, 2022
38. Dissemination of Research Findings	U of Pittsburgh	Jan 27, 2023
39. Data Security	U of Pittsburgh	Feb 24, 2023
40. Technology and future of research	U of Pittsburgh	March 17, 2023
41. Translational Science from Animals to Humans	U of Pittsburgh	April 21, 2023
42. Errors/corrections in publications	U of Pittsburgh	May 19, 2023
43. AI and Research	U of Pittsburgh	Oct 6, 2023
44. Sex as a biological variable	U of Pittsburgh	Dec 1, 2023
45. The scientist as a responsible member of society	U of Pittsburgh	March 8, 2024

TEACHING

UNIVERSITY COURSEWORK

Center for Sleep and Circadian Rhythm T32 Seminar- University of Pittsburgh

1. **Course Title:** Stereotype threat and implicit bias in research
Role: Invited lecturer
Year(s), Number of Students: February 2024, 12 trainees (predoctoral and postdoctoral) and 2 faculty members
Contact House, Number of Lectures: 1.5 hours, 1 lecture
Description: Developed an interactive presentation on stereotype threat and implicit bias. Incorporated video and interactive quizzes, facilitated discussion, and shared resources with attendees. This lecture was in response to interest within the group and was mentored by Dr. Daniel Buysse.

Doctor of Occupational Therapy- University of Pittsburgh

1. **Course Title:** Advanced Theory and Practice (OT 3206): Sensory Processing and Occupational Performance in Pediatric Clients Seminar
Role: Seminar developer and instructor
Year(s), Number of Students: 2019-present (3rd year OTD students), Fall 2019, 20 OTD students; Fall 2020, 29 OTD Students; Fall 2021, 28 OTD students; Fall 2022, 40 OTD students; Fall 2023, 20 OTD students.
Contact Hours, Number of Lectures: 6 hours, 1 lecture
Description: Developed a 6-hour seminar on sensory processing in the child for 3rd year OTD students. Created asynchronous learning materials, directed and filmed video case study materials, lead synchronous lecture and laboratory activities, and evaluated knowledge through video case study exercises, hands-on treatment planning activity, and discussion groups. Each year, feedback was solicited from the mentoring faculty member and students in order to elevate learning materials. Additionally, this seminar was adapted to be in a hybrid model in 2020 and then back to an adapted in-person model in 2021.
2. **Course Title:** Psychosocial/Cognitive Theory and Practice (OT 2210): Sleep Intervention Across the Lifespan lecture and lab
Role: Invited Instructor
Year(s), Number of Students: 2020-present (2nd year OTD students), Spring 2020, 50 OTD students; Spring 2021, 55 OTD students; Spring 2022, 60 OTD students/9 MS students; Spring 2023, 55 OTD students/18 MS students
Contact Hours, Number of Lectures: 4 hours, 2 lectures in 2020 that shifted into 1 lecture and 1 lab in 2021 due to COVID-19
Description: Modified and expanded an existing single class on sleep across the lifespan to two, 2-hour long lectures for 2nd year OTD students. Created asynchronous lecture and learning activities, a new video-based case study, two paper-based case studies with hands-on learning activities suited

for virtual, hybrid, and in-person teaching. Each year feedback is solicited from faculty member and students and the course is adapted to suit the needs and suggestions.

Doctor of Occupational Therapy- University of Oklahoma

1. **Course Title:** Health and Wellness (OCTH 7023): The Occupation of Sleep
Role: Invited Instructor
Year(s), Number of Students: 2023 (1st year OTD students), Fall 2023, 40 OTD students.
Contact Hours, Number of Lectures: 3-hour virtual lecture
Description: Developed a three-hour lecture that incorporated interactive components that are suitable for a virtual audience (e.g., polling, case study, think-pair-share activities). The lecture covered an introduction to sleep, sleep measurement tools, and developing intervention plans. Students completed a case study applying the knowledge given through the lecture.

Masters and Doctor of Occupational Therapy- Carlow University

1. **Course Title:** Occupational therapy practice for children and youth: The Occupation of Sleep
Role: Invited Instructor
Year(s), Number of Students: 2023 (1st year MS and OTD students), Spring 2023, 20 MS and OTD students; Spring 2024 (15 1st year MS and OTD students).
Contact Hours, Number of Lectures: 1 hour lecture
Description: Built a sleep-oriented introduction lecture for 1st year MS and OTD students presenting sleep as a critical occupation across the lifespan. Incorporated discussion techniques to facilitate active learning (e.g., Think, Pair, Share) and application of past experiences of knowledge (e.g., small group discussion).

Master of Occupational Therapy – Chatham University

1. **Course Title:** Neurological Conditions and Occupational Performance (OTH 641)
Role: Invited Instructor
Year(s), Number of Students: 2017-2018, 30 students
Contact Hours, Number of Lectures: 2 hours, 2 lectures
Description: This lecture was an invited guest lectureship on a novel clinical program. For this lectureship, new content was developed and presented twice to two different student groups.

COMMUNITY TEACHING

Phipps Conservatory's Learning Programs

1. **Course Title:** Behavior Management in a Group Setting
Role: Invited Instructor
Year(s), Number of Students: 2017, 8 educators
Contact Hours, Number of Lectures: 2 hours, 2 lectures
Description: Created and taught two behavior management and group dynamics courses to teachers at the Conservatory as a consultant. Reviewed practical examples of behavior management, theories of management, and group dynamics. Also observed and consulted with two new teachers regarding classroom management.

Council of Three Rivers American Indian Center Head Start Program

2. **Course Title:** Sensory Processing in Preschool Children
Role: Invited Instructor
Year(s), Number of Students: 2017, 50 head-start educators
Contact Hours, Number of Lectures: 3 hours, 1 lecture

Description: Created and taught a three-hour course on sensory difficulties in the classroom to fifty head-start teachers and professionals for the Council of Three Rivers American Indian Center.

CONTINUING EDUCATION ACTIVITIES RELATED TO TEACHING

<u>Title</u>	<u>Location</u>	<u>Date</u>
1. Designing Better Test Questions	Teaching and Learning Center, U of Pittsburgh	Nov 7, 2018
2. Developing a Lesson Plan	Teaching and Learning Center, U of Pittsburgh	July 1, 2019
3. Virtual Teaching and Learning	National Institutes of Health	May 12, 2020
4. Virtual Simulation Teaching	Dept. of Occupational Therapy, U of Pittsburgh	Nov 11, 2020
5. Technology in the Classroom	Dept. of Occupational Therapy, U of Pittsburgh	Dec 2, 2020
6. Encouraging Student Participation	Teaching and Learning Center, U of Pittsburgh	Dec 7, 2020
7. Best Practices in Online Teaching	Teaching and Learning Center, U of Pittsburgh	Dec 8, 2020
8. Active Learning with Top Hat	Teaching and Learning Center, U of Pittsburgh	Jan 26, 2021
9. Active Learning in Remote Teaching	Teaching and Learning Center, U of Pittsburgh	Feb 2, 2021
10. Exam Writing Strategies	Teaching and Learning Center, U of Pittsburgh	Mar 17, 2021
11. Online Teaching	Dept. of Occupational Therapy, U of Pittsburgh	April 21, 2021
12. Teaching Sleep and Circadian Science	American Academy of Sleep Medicine	June 2023

SERVICE

Department of Occupational Therapy Service Activities

Year

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|---|------|
| 1. IRB pre-submission department review | 2019 |
| 2. Pre-submission manuscript review- American Journal of Occupational Therapy | 2019 |
| 3. Pre-submission grant review – National Endowment for the Arts Grant | 2020 |

School of Health and Rehabilitation Sciences Service Activities

Year

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| 1. <i>Appointed Social Chair</i> , PhD Student Organization, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2020-2022 |
| 2. <i>Voluntary Member</i> , PhD Student Handbook Task Force, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2021-2022 |

University of Pittsburgh Service Activities

Year

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|---|--------------|
| 1. <i>Trainee member at large</i> , Sleep and Circadian Analyses and Projects Group, Center for Sleep and Circadian Science, University of Pittsburgh (2020-2021) | 2020- 2021 |
| 2. CSCS Community Engagement Workgroup, Center for Sleep and Circadian Science, University of Pittsburgh | 2024-present |

National Service Activities

Year

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| 1. <i>Appointed Member</i> , Trainee Education and Advisory Subcommittee, Sleep Research Society | 2021-2022 |
| 2. <i>Moderator</i> , Trainee Symposia Series, Sleep Research Society | 2022 |
| 3. <i>Appointed Member</i> , Trainee Education and Advisory Committee, Sleep Research Society | 2023-present |