
Amit Sethi, PhD OTR/L

CURRICULUM VITAE

BIOGRAPHICAL INFORMATION

Business Address:

Department of Occupational Therapy
School of Health and Rehabilitation Sciences
Bridgeside Point I
100 Technology Drive
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Pittsburgh, PA 15219

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EDUCATION and TRAINING

UNDERGRADUATE:

| <u>Dates Attended</u> | <u>Name and Location of Institution</u> | <u>Degree Received, Year</u> | <u>Major Discipline</u> |
|---------------------------------|--|------------------------------|-------------------------|
| September 1997 to March 2002 | Manipal College of Allied Health Sciences, Karnataka, India | Bachelor of Science, 2002 | Occupational Therapy |

GRADUATE:

| <u>Dates Attended</u> | <u>Name and Location of Institution</u> | <u>Degree Received, Year</u> | <u>Major Discipline</u> |
|---------------------------------|--|-------------------------------|-------------------------|
| August 2004 to December 2005 | University of Wisconsin Milwaukee, WI | Master of Science, 2005 | Occupational Therapy |
| August 2006 to December 2010 | University of Florida Gainesville, FL | Doctor of Philosophy, 2010 | Rehabilitation Science |

APPOINTMENTS and POSITIONS

ACADEMIC POSITIONS:

| <u>Years Inclusive</u> | <u>Name and Location of Institution</u> | <u>Rank/Title</u> |
|---------------------------------|---|---------------------|
| August 2004 to July 2005 | University of Wisconsin Milwaukee Milwaukee, WI | Research Assistant |
| August 2005 to December 2005 | University of Wisconsin Milwaukee Milwaukee, WI | Teaching Assistant |
| August 2006 to December 2010 | Department of Rehabilitation Sciences, College of Public Health & Health Professions, University of Florida, Gainesville, FL | Research Assistant |
| August 2010 to December 2010 | Department of Occupational Therapy, College of Public Health & Health Professions, University of Florida, Gainesville, FL | Teaching Assistant |
| January 2011 to April 2013 | Department of Occupational Therapy, School of Health Professions, University of Texas Medical Branch, Galveston, TX | Assistant Professor |
| May 2013 to June 2022 | Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, PA | Assistant Professor |
| July 2022 to present | Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, PA | Associate Professor |

ACADEMIC APPOINTMENTS:

| <u>Years Inclusive</u> | <u>Name and Location of Institution</u> | <u>Rank/Title</u> |
|-------------------------|---|-------------------|
| July 2018 to present | Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, PA | Graduate Faculty |
| July 2018 to present | Master of Science Program, Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, PA | Program Director |

NON-ACADEMIC POSITIONS:

| Years Inclusive | Name and Location of Institution | Rank/Title |
|------------------------------|---|-------------------|
| September 2001 to March 2002 | Indraprastha Apollo Hospital | Intern Therapist |
| April 2002 to July 2004 | UDAAN for the disabled New Delhi, India | Staff Therapist |
| February 2006 to April 2006 | The Institute of Rehabilitation & Research Houston, TX | Staff Therapist |
| May 2006 to July 2006 | Stoney Brook Health Care Center Houston, TX | Staff Therapist |
| June 2008 to September 2008 | Shands Rehabilitation Hospital Gainesville, FL | Staff Therapist |
| May 2009 to September 2009 | Oakhammock Assisted Living Gainesville, FL | Staff Therapist |

DISCIPLINE SPECIALIZATION: Neurorehabilitation

CERTIFICATION and LICENSURE**SPECIALTY CERTIFICATION:**

National Board for Certification in Occupational Therapy, #240189 2008 – present

PROFESSIONAL LICENSURE:

Florida State Occupational Therapy License, #13210 2008 to 2013
Texas State Occupational Therapy License, #114551 2012 to 2015
Commonwealth of Pennsylvania Occupational Therapy License, #OC012750 2013 to present

MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES**ORGANIZATION:**

The Society for Neuroscience 2009 – present
North American Society for the Psychology of Sport and Physical Activity 2009 – 2010
American Occupational Therapy Association 2011– present
American Congress of Rehabilitation Medicine 2011 – 2014
Pennsylvania Occupational Therapy Association 2013 – present
American Society for Neurorehabilitation 2014 – present

HONORS & AWARDS**ACADEMIC HONORS and AWARDS:**

Best Outgoing Student Award, Manipal College of Allied Health Sciences, Department of Occupational Therapy 2002
Kailash Merchant Award for Best Scientific Paper in Neurology, All India Occupational Therapists Association 2001
Chancellor's Fellowship Award, University of Wisconsin Milwaukee 2005
Alumni Pre-Doctoral Fellowship Award, University of Florida International Center 2006
Certificate of Achievement, University of Florida 2007-2010

TEACHING AWARDS:

Academic Educator Award – Pennsylvania Occupational Therapy Association 2018

RESEARCH AWARDS:

Research Award – Pennsylvania Occupational Therapy Association 2019

TRAVEL AWARDS:

Graduate Student Council, University of Florida 2007,2009
College of Public Health and Health Professions, University of Florida 2010
Bruce Baker Education Travel Fund Award, University of Pittsburgh, School of Health and Rehabilitation Sciences 2015

TEACHING

COURSEWORK: School of Health and Rehabilitation Sciences, University of Pittsburgh

Doctor of Occupational Therapy Program – Primary Instructor

1. **Course Title: Neurobehavioral Science (OT 2205)**

Description: Examines the neuroscientific concepts underlying normal somatosensory, special sensory, motor, cognition, and emotion functional systems and explores the manifestation of dysfunction of major neural elements.

Contact Hours, Number of Lectures: 32 hours, 16 lectures (16-week term)

Year(s), Number of Students: Fall 2017, 45 Doctor in Occupational Therapy Students; Fall 2018, 54 Doctor in Occupational Therapy Students; Fall 2019, 54 Doctor in Occupational Therapy Students; Spring 2021, 57 Doctor in Occupational Therapy Students, 5 Master of Science in Occupational Therapy Students; Spring 2022, 60 Doctor in Occupational Therapy Students

Doctor of Occupational Therapy Program – Course Liaison

1. **Course Title: Body Structures and Functions: Anatomy (OT 2201)**

Description: Emphasizes the understanding and application of knowledge of human anatomy in diagnostics and treatment of clinical conditions commonly encountered by an occupational therapist. The practical component includes the use of prosected cadavers, skeletal models, and palpation of surface anatomical features in live models.

Contact Hours, Number of Lectures: 40 hours, 26 lectures for Summer (10-week term); 50 hours, 32 lectures for Fall (16-week term)

Year(s), Number of Students: Summer 2017, 45 Doctor in Occupational Therapy Students; Summer 2018, 54 Doctor in Occupational Therapy Students; Summer 2019, 54 Doctor in Occupational Therapy Students; Fall 2020, 57 Doctor in Occupational Therapy Students

Master of Occupational Therapy Program – Primary Instructor

1. **Course Title: Neurobehavioral Science (OT 2109)**

Description: Focuses on the structures and functions of the nervous system (World Health Organization International Classification of Functioning, Disability and Health components Body Functions and Body Structures). Students will gain an understanding of the sensory, neuromuscular, and mental functions of the nervous system, as well as impairments imposed by common pathologies affecting the nervous system.

Contact Hours, Number of Lectures: 82 hours, 41 lectures (16-week term)

Year(s), Number of Students: Spring 2015, 52 Masters in Occupational Therapy Students; Spring 2016, 52 Masters in Occupational Therapy students, 4 Master of Science in Occupational Therapy Students; Spring 2017, 51 Masters in Occupational Therapy Students, 5 Master of Science in Occupational Therapy Students

Master of Occupational Therapy Program – Course Liaison

1. **Course Title: Human Anatomy (HRS 2022)**

Description: The musculoskeletal and peripheral nervous systems are studied in-depth; attention is also given to the cardiopulmonary and the central nervous systems. Learning is facilitated through lectures and directed laboratory experience using prosected cadavers, skeletal materials and models.

Contact Hours, Number of Lectures: 48 hours, 16 lectures (16-week term)

Year(s), Number of Students: Summer 2016, 52 Masters in Occupational Therapy students; Summer 2017, 51 Masters in Occupational Therapy students

Master of Occupational Therapy Program – Co-instructor

1. **Course Title: Human Anatomy (HRS 2022)**

Description: The musculoskeletal and peripheral nervous systems are studied in-depth; attention is also given to the cardiopulmonary and the central nervous systems. Learning is facilitated through lectures and directed laboratory experience using prosected cadavers, skeletal materials and models.

Contact Hours, Number of Lectures: 48 hours, 16 lectures (16-week term)

Year(s), Number of Students: Summer 2013, 50 Masters in Occupational Therapy students

Master of Science in Occupational Therapy – Primary Instructor

1. **Course Title: Advanced Clinical Practice in Neurorehabilitation (HRS 2594)**

Description: This course will primarily focus on the clinical application of the principles of neuroplasticity and theories of motor control and learning to adults with neurological impairments. The course will utilize a hybrid-learning model, where students will be able to apply the content taught in classroom to the clinical preceptorships.

Contact Hours, Number of Lectures: 20 hours, 8 lectures (6-week term)

Year(s), Number of Students: Spring 2014, 6 Master of Science in Occupational Therapy Students

2. Course Title: Research Preceptorship 1 (HRS 2594)

Description: This course provides structured exposure to all the research laboratories in the Department of Occupational Therapy.

Contact Hours, Number of Lectures: 10 hours, 8 lectures (6-week term)

Year(s), Number of Students: Summer 2019, 3 Master of Science in Occupational Therapy Students; Fall 2020, 5 Master of Science in Occupational Therapy Students; Spring 2021, 2 Master of Science in Occupational Therapy Students; Spring 2022, 1 Master of Science in Occupational Therapy Student; Fall 2022, 6 Master of Science in Occupational Therapy Students

3. Course Title: Research Preceptorship 2 (HRS 2594)

Description: This course provides a structured experience in an occupational therapy research laboratory under the guidance of a faculty mentor.

Contact Hours, Number of Lectures: 3 hours per week, 0 lectures (16-week term)

Year(s), Number of Students: Spring 2019, 1 Master of Science in Occupational Therapy Student; Spring 2020, 1 Master of Science in Occupational Therapy Student; Spring 2021, 1 Master of Science in Occupational Therapy Student

4. Course Title: Special Topics in OT: Research (OT 2245)

Description: This course examines advanced topics related to occupational therapy research.

Contact Hours, Number of Lectures: 1 hour per week, 16 lectures (16-week term)

Year(s), Number of Students: Fall 2022, 7 Master of Science in Occupational Therapy Students

5. Course Title: Evidence Interpretation for Implementation (OT 3010)

Description: This course provides a basic understanding of methods to interpret research in the context of evidence-based practice.

Contact Hours, Number of Lectures: 2 hours per week, 16 lectures (16-week term)

Year(s), Number of Students: Fall 2022, 20 Master of Science in Occupational Therapy Students

6. Course Title: Scholarly Project (OT 2251)

Description: This course provides the student with experience in implementing, analyzing, interpreting, and/or writing elements of an existing research project under the direction of a faculty mentor.

Contact Hours, Number of Lectures: 0 hours per week, 0 lectures (16-week term)

Year(s), Number of Students: Spring 20223, 1 Master of Science in Occupational Therapy Student

Master of Science in Occupational Therapy – Co-instructor**1. Course Title: Clinical Preceptorship 1 (OT 2241)**

Description: This course provides experiential learning in a specialized area of occupational therapy practice (e.g., acute care) to provide clinical exposure to the U.S. Health Care System.

Contact Hours, Number of Lectures: 8 hours per week, 0 lectures (6-week term)

Year(s), Number of Students: Summer 2018, 5 Master of Science in Occupational Therapy Students; Summer 2019, 5 Master of Science in Occupational Therapy Students; Fall 2020, 3 Master of Science Students

2. Course Title: Clinical Preceptorship 2 (OT 2242)

Description: This course provides experiential learning in a specialized area of occupational therapy practice (e.g., acute care) to provide clinical exposure to the U.S. Health Care System.

Contact Hours, Number of Lectures: 8 hours per week, 0 lectures (6-week term)

Year(s), Number of Students: Fall 2018, 5 Master of Science in Occupational Therapy Students; Fall 2019, 2 Master of Science in Occupational Therapy Students; Spring 2021, 1 Master of Science in Occupational Therapy Student

3. Course Title: Clinical Preceptorship 3 (OT 2243)

Description: This course provides experiential learning in a specialized area of occupational therapy practice (e.g., acute care) to provide clinical exposure to the U.S. Health Care System.

Contact Hours, Number of Lectures: 8 hours per week, 0 lectures (6-week term)

Year(s), Number of Students: Spring 2019, 5 Master of Science in Occupational Therapy Students

Doctor of Clinical Science in Occupational Therapy – Primary Instructor**1. Course Title: Advances in Functional Assessment (OT 3000)**

Description: Focuses on concepts of classical test and item response theories to identify assessments for a specific patient population.

Contact hours; number of lectures: 6 hour per week; 16 lectures (8-week term)

Year(s), number of students: Summer 2015, 5 Doctor of Clinical Science students; Summer 2016, 5 Doctor of Clinical Science students; Summer 2017, 2 Doctor of Clinical Science in Occupational Therapy Students; Summer 2018, 5 Doctor of Clinical Science in Occupational Therapy Students; Summer 2019, 4 Doctor of Clinical Science in Occupational Therapy Students; Spring 2023, 4 Doctor of Clinical Science in Occupational Therapy Students

2. Course Title: Advances in Functional Assessment Colloquium (OT 3001)

Description: Focuses on building a concept matrix using: (1) the perspective of body structures and functions, activity, and participation as defined by the International Classification of Functioning, Disability, and Health (ICF) of the World Health Organization and (2) methods of assessment such as, self-report, proxy report, clinical judgment, clinical performance and home performance to support a comprehensive assessment plan for a specific patient population.

Contact hours; number of lectures: 3 hour per week; 8 on-line modules (8-week term)

Year(s), number of students: Summer 2015, 5 Doctor of Clinical Science in Occupational Therapy Students; Summer 2016, 5 Doctor of Clinical Science in Occupational Therapy Students; Summer 2017, 2 Doctor of Clinical Science in Occupational Therapy Students; Summer 2018, 5 Doctor of Clinical Science in Occupational Therapy Students; Summer 2019, 4 Doctor of Clinical Science in Occupational Therapy Students

3. **Course Title:** Data-based Decision Making: Clinical Rotation (OT 3301)

Description: In this rotation, students work with the faculty mentor, using data analytic strategies to analyze and synthesize data from relevant cases to assist them in developing their capstone projects.

Contact hours; number of lectures: 3 hour per week; 0 lectures (16-week term)

Year(s), number of students: Spring 2018, 1 Doctor of Clinical Science in Occupational Therapy Student; Spring 2019, 1 Doctor of Clinical Science in Occupational Therapy Student

4. **Course Title:** Cognate Seminar (OT 3600)

Description: Focuses on collecting patient assessment and intervention data for a chosen theoretical model and comparing results to current research evidence in preparation for their capstone project.

Contact hours; number of lectures: 3 hour per week; 0 lectures (16-week term)

Year(s), number of students: Summer 2018, 1 Doctor of Clinical Science in Occupational Therapy Student; Spring 2019, 1 Doctor of Clinical Science in Occupational Therapy Student

5. **Course Title:** Capstone Practicum (OT 3700) – 5 credits

Description: This course consists of a practicum along with a capstone project that focuses on analyzing the active intervention mechanisms and assessment - intervention –outcome linkages for a specific patient population. Students will submit their project findings for presentation at a professional forum (e.g., regional, national, or international conference), or as a continuing education module.

Contact hours; number of lectures: 5 hours per week; 0 lectures (16-week term)

Year(s), number of students: Summer 2018, 1 Doctor of Clinical Science in Occupational Therapy Student; Spring 2019, 1 Doctor of Clinical Science in Occupational Therapy Student

Doctor of Philosophy in Rehabilitation Science Program – Primary Instructor

1. **Course Title:** **Specialized Preceptorship, Research (HRS 2594)**

Description: Course provides experiential learning in coordinating occupational therapy research, including obtaining IRB approval, getting informed consent, participating in data collection, and managing data quality.

Contact Hours, Number of Lectures: 3 hours per week, 0 lectures (16-week term)

Year(s), Number of Students: Spring 2021, 1 Doctor of Philosophy Student; Summer 2021, 1 Doctor of Philosophy Student, Fall 2021, 2 Doctor of Philosophy Students; Spring 2022, 2 Doctor of Philosophy Students; Summer 2022, 2 Doctor of Philosophy Students

Miscellaneous Courses – Invited Lecturer

1. **Course Title:** **Core Concepts in Disability and Rehabilitation II (HRS 3005)**

Description: This course is the second course in a two-course sequence examining core knowledge in disability and rehabilitation sciences. In this second course, we will focus on individual and contextual factors that influence disability and rehabilitation, and implications for research. We will examine how these concepts are applied in ongoing research within field of rehabilitation sciences. We will also synthesize concepts and principles and discuss their application in individual student research programs. Students will learn through faculty presentations (from among the various research programs throughout the school of health and rehabilitation sciences), facilitated discussion, assigned readings, short written papers, short oral presentations, and peer-review of written products.

Contact Hours, Number of Lectures: 3 hours per week, 16 lectures (16-week term)

Year(s), Number of Students: Spring 2020, 8 Doctor of Philosophy Students

2. **Course Title:** **Doctoral Seminar (HRS 3000)**

Description: Faculty and students in the rehabilitation doctoral program will participate in this seminar series. Research will be presented and critiqued by faculty and students. Topics related to grantmanship, ethics in research, and issues related to survival in an academic/research environment will be addressed in this seminar series. Doctoral students must present their research for critique by faculty prior to their dissertation defense.

Contact Hours, Number of Lectures: 1 hour every two weeks, 16 lectures (16-week term)

Year(s), Number of Students: Spring 2019, 12 Doctor of Philosophy Students

COURSEWORK: School of Health Professions, University of Texas Medical Branch**Master of Occupational Therapy Program – Primary Instructor****1. Course Title: Occupational Therapy Interventions and Adaptations (OCCT 6410)**

Description: Provides the knowledge and skills to MOT students to use theories and principles to assess and develop interventions to enhance performance in activities of daily living in clients with neurological impairments.

Contact hours; number of lectures: 32 hours, 16 lectures (16-week term)

Year(s), number of students: Summer 2011, 48 Masters in Occupational Therapy Students

2. Course Title: Interventions for Neurological Practice (OCCT 6424)

Description: Provides the knowledge and skills to MOT students to use theories and principles to assess and develop interventions to enhance performance in activities of daily living in clients with neurological impairments.

Contact hours; number of lectures: 32 hours, 16 lectures (16-week term)

Year(s), number of students: Summer 2012, 51 Masters in Occupational Therapy Students

3. Course Title: OT Domain: Personal Performance (OCCT 5221)

Description: Provides the knowledge of the client factors domain of the Occupational Therapy Practice Framework

Contact hours; number of lectures: 32 hours, 16 lectures (16-week term)

Year(s), number of students: Fall 2011, 52 Masters in Occupational Therapy Students

4. Course Title: Foundations for Neurological Practice (OCCT 6226)

Description: Provides the fundamentals of neuroscience and neurobiology of movement, sensation and higher mental functions.

Contact hours; number of lectures: 32 hours, 16 lectures (16-week term)

Year(s), number of students: Spring 2012, 52 Masters in Occupational Therapy Students; Spring 2013, 54 Masters in Occupational Therapy Students

5. Course Title: Applied Reasoning I (OCCT 5110)

Description: Addresses the basics and fundamentals of clinical reasoning using a problem-based learning approach in clients with musculoskeletal impairments

Contact hours; number of lectures: 32 hours, 16 lectures (16-week term)

Year(s), number of students: Fall 2012, 54 Masters in Occupational Therapy Students

6. Course Title: Applied Reasoning II (OCCT 5113)

Description: Addresses the basics and fundamentals of clinical reasoning using a problem-based learning approach in clients with neurological impairments.

Contact hours; number of lectures: 32 hours, 16 lectures (16-week term)

Year(s), number of students: Spring 2012, 54 Masters in Occupational Therapy Students

ACADEMIC ADVISING**Academic Advisor, Master of Occupational Therapy Program, University of Texas Medical Branch**

1. Class of 2012: 10 students

2. Class of 2013: 15 students

Academic Advisor, Master of Occupational Therapy Program, University of Pittsburgh

1. Class of 2015: 4 students

2. Class of 2016: 10 students

3. Class of 2017: 4 students

Academic Advisor, Doctor of Occupational Therapy Program, University of Pittsburgh

1. Class of 2020; 10 students

2. Class of 2021; 5 students

3. Class of 2022, 5 students

Academic Advisor, Master of Science in Occupational Therapy Program, University of Pittsburgh

1. Class of 2019; 5 students

2. Class of 2020, 5 students

3. Class of 2021; 8 students

RESEARCH**PUBLICATIONS**

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| Web of Science H-Index = 5 |
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| Average Citations Per Item = 8.25 |
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| Times Cited (w/o self-citations = 93 |
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| Citing Articles (w/o self-citing = 90 |
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ORIGINAL PEER-REVIEWED ARTICLES

(*Trainees mentored to publication; **Senior authorship)

1. **Sethi A**, & Mukherjee A. To see the efficacy of Hyperbaric Oxygen Therapy over the gross motor abilities of C.P. children of 2-5 years of age, given initially as an adjunct to occupational therapy. *Indian Journal of Occupational Therapy*. 2003; 35:7-11.
2. Richards L, Hanson C, Wellborn M, & **Sethi A**. Driving motor recovery after stroke. *Topics in Stroke Rehabilitation*. 2008; 15:397-411.5.
3. Patterson T, Bishop M, McGuirk T, **Sethi A**, & Richards L. Reliability of upper extremity kinematics while performing different tasks in individuals post stroke. *Journal of Motor Behavior*. 2011; 43:121-130.
4. **Sethi A**, Patterson T, McGuirk T, Patten CP, Richards LG, & Stergiou N. Temporal structure of variability decreases in reaching movements in individuals post stroke. *Clinical Biomechanics*. 2013; 28:134-9.
5. **Sethi A**, Callaway, C., Sejdic, E., Terhorst, L., Skidmore, E.R. Heart rate variability is associated with motor outcome 3-months after stroke. *Journal of Stroke and Cerebrovascular Diseases*. 2016; 25(1): 129-135.
6. **Sethi A**, Stergiou, N, Patterson, TS, Patten C, & Richards LG. Speed and rhythm affect temporal structure of variability in reaching post stroke: A pilot study. *Journal of Motor Behavior*, 2017, 49(1): 35-45.
7. *Safaa E, Akcakaya M, Sybeldon M, Foldes S, Santarnecki E, Pascual-Leone A, & **Sethi A****. EEG-based partial directed coherence: a novel measure to analyze recovery in functional connectivity between motor cortices after stroke. *Biomedical Signal Processing & Control*. 2019; 49: 419-426.
8. *Raj S, Dounskaia N, & **Sethi A****. Effect of stroke on neural control of joint motions during reach-to-grasp: A preliminary study. *Journal of Motor Behavior*. Published online May 2019.
9. **Sethi A**, Allen M, Clark B, Ting J, & Weber D. Advancements in motion and electromyography-based wearable technology for upper extremity function rehabilitation: A review. *Journal of Hand Therapy*. Published online, April 9th, 2020.
10. *Stepansky K, Toto P, Bleakely S, & **Sethi A****. Caring for Our Caregivers: A feasibility study of caregiver preparedness training within inpatient brain injury rehabilitation. *International Journal of Therapy and Rehabilitation*. 2020; 27(10): 1-11.
11. **Sethi A**, Santarnecki E, & Pascual-Leone A. Combined brain and hand Stimulation to improve hand function in individuals with moderate to severe chronic stroke: A Pilot Randomized Control Trial. *Stroke*. Under Review.
12. **Sethi A**, Raj S, & Dounskaia N. Control of paretic and non-paretic during bimanual reaching after stroke. *Journal of Motor Behavior*. Conditional acceptance
13. O'Brien K, Schmeler M, Rojik S, Schiappa, V, & **Sethi A****. Examining the Impact of Assistive Technology Professional (ATP) Involvement on Mobility Device Prescription and Self-reported Satisfaction with Mobility-Related Activities of Daily Living (MRADLs) in Persons with Stroke. *Assistive Technology*. In Press.

INVITED PAPERS

1. **Sethi A**, Patterson T, McGuirk T, & Richards LG. Effect of functional task training upon temporal structure of variability of upper extremity post stroke. *Journal of Hand Therapy*. 2013; 26:132-8.

PEER-REVIEWED PUBLISHED ABSTRACTS

1. **Sethi A**, Patterson T, McGuirk T, & Richards LG. Does rhythm enhance upper extremity movement post stroke? *Journal of Sport and Exercise Psychology*. 2010; S 126.
2. **Sethi A**, Callaway, C., Sejdic, E., Terhorst, L., Skidmore, E.R. Heart rate variability is associated with upper extremity recovery after stroke. *Neurorehabilitation and Neural Repair*. 2014; 28(9): 927.
3. Al-Zaiti, S., **Sethi A**, Carey, M., Canty, J., & Fallavollita, J. Temporal complexity of depolarization indicates myocardial sympathetic denervation and predicts sudden cardiac arrest in patients with ischemic cardiomyopathy and poor left ventricular ejection fraction. *Journal of Electrocardiology*. 2014; 47; 910-913.
4. **Sethi A**, Santarnecki E, Pascual-Leone A. Feasibility of the combined brain and hand stimulation to improve hand function after moderate-to-severe stroke. *Neurorehabilitation and Neural Repair*. 2017; 31(2), p20.
5. **Sethi A**, Santarnecki E, Pascual-Leone A. Combined brain and hand stimulation to improve hand function in individuals with moderate to severe chronic Stroke: A Pilot Randomized Controlled Trial. *American Journal of Occupational Therapy*; August 2020, Vol. 74.

PATENTS

1. **Sethi A**, Allen M, & Clark, B. System and method for assessment of stroke patients and personalized rehabilitation. U.S. Patent Application No. 63/155,482, filed March 2, 2022.

THESES AND DISSERTATION

1. **Sethi A**. *Understanding variability in reaching movements post stroke: non-linear dynamical systems perspective* [dissertation]. Gainesville, Florida, University of Florida; 2010
2. **Sethi A**. *The effect of posture on reaching and upper extremity interlimb coordination in cerebral palsied children: Dynamic systems perspective* [master thesis]. Milwaukee, WI, University of Wisconsin; 2005.

GRANT FUNDING***Current Grant Support***

| <u>Grant Number</u> | <u>Grant Title</u> | <u>Project Role, Effort</u> | <u>Years Inclusive</u> | <u>Source</u> |
|---------------------|--|--------------------------------------|------------------------|------------------------|
| R21HD108462 | Strengthening task-specific activation of paretic hand muscles after moderate-to-severe chronic stroke | Principal Investigator, 25%, 432,000 | 02/2023 to 01/2025 | NICHHD |
| Pilot Grant | Examining neural imaging substrates of finger extension strength versus individuation after stroke | Principal Investigator, 5%, \$25,000 | 02/01/23 to 06/30/24 | CMU-Pitt BRIDGE Center |

Completed Grant Support

| <u>Grant Number</u> | <u>Grant Title</u> | <u>Project Role, Effort</u> | <u>Years Inclusive</u> | <u>Source</u> |
|----------------------------|---|-----------------------------|--|--|
| 1. Pilot Grant | Does rhythmic auditory training enhances the upper extremity flexibility post stroke? | Principal Investigator, 50% | 04/01/2010 to 12/18/2010 | University of Florida |
| 2. Pilot Grant | Individualized hand improvement and tracking system for stroke | Principal Investigator, 20% | 07/01/2016 to 06/30/2017 | Center for Medical Innovation, University of Pittsburgh |
| 3. Pilot Grant | Customer Discovery for Individualized hand improvement and tracking system for stroke | Principal Investigator, 10% | 01/10/2016 to 05/31/2016 | Innovation Institute, University of Pittsburgh |
| 4. Pilot Grant | Individualized hand improvement and tracking system for stroke | Principal Investigator, 20% | 07/01/2017 to 06/30/2018 | Center for Medical Innovation, University of Pittsburgh |
| 5. Commercialization Grant | Examining the commercialization potential of the Individualized hand improvement and tracking system for stroke | Principal Investigator, 10% | 07/01/2017 to 06/30/2018 | IDEA Foundry |
| 6. Pilot Grant | Combined brain and hand stimulation to improve hand function after stroke | Principal Investigator, 20% | 07/01/2015 to 06/30/2018 (no cost extension) | UPMC Rehabilitation Institute |
| 7. Pilot Grant | Neural mechanisms of the combined non-invasive transcranial random noise current stimulation and functional electrical stimulation to improve hand movement in individuals with severe impairments after chronic stroke | Principal Investigator, 20% | 07/01/2016 to 06/30/2019 (no cost extension) | NIH P2CHD086844 Medical University of South Carolina's National Center for Neuromodulation |

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| 8. Pilot Grant | Development of algorithms for the Individualized hand improvement and tracking system for stroke | Principal Investigator, 20% | 07/01/2017 to 06/30/2019 | PiNch Competition: Clinical and Translational Science Institute, University of Pittsburgh |
| 9. Training Grant | Synchronized brain and hand stimulation to improve hand function after moderate-to-severe stroke | Principal Investigator, 75% (Rocha, PI) | 2020-2022 | NINDS, Stroke Net Fellowship |
| 10. Merit Review I01 RX003242-01A1 | Development of Vision-Based Methods for Effective and Efficient Control of Assistive Robotic Manipulators | Co-Investigator, 10%, \$899,945 | 07/01/20 to 10/30/22 | VAHS |

RESEARCH-RELATED PRESENTATIONS, LECTURESHIPS, SEMINARS

Peer-Reviewed Research Presentations

***Trainees mentored to presentation; **Trainees awarded best presentation**

International

1. Balasubramanian CK, Stoecklien J, Page R, Eldridge D, **Sethi A**. Number of trials required to accurately evaluate spatiotemporal gait variability data using instrumented mats. Poster presented at the *International Society for Gait and Posture Research Meeting, June 2014, Vancouver, Canada*.
2. Balasubramanian CK, **Sethi A**, Neptune RR, Kautz SA.. Understanding the complexity of gait kinematics using non-linear analysis in persons with chronic hemiparesis. Poster presented at the *International Society for Gait and Posture Research Meeting, 2013, Akita, Japan*.
3. **Sethi A**, Santarone E, & Pascual-Leone A. Feasibility of the combined brain and hand stimulation in moderate to severe chronic individuals with stroke. Poster to be presented at the annual meeting *World Federation of Occupational Therapy, May, 2018, Cape town, South Africa*.

National

4. **Sethi A**, & Kamm K. Effect of posture on reaching patterns in children with cerebral palsy. Poster presented at American Occupational Therapy Association Annual Conference and Expo, April 2007; St. Louis, MO.
5. **Sethi A**, Patterson T, Mcguirk T, & Richards LG. Movement in stroke more or less variability and its clinical relevance. Poster presented at Annual Society for Neuroscience Meeting, November 2009; Chicago, IL.
6. **Sethi A**, Patterson T, Mcguirk T, & Richards LG. Variability in upper extremity inter-joint coordination post stroke. Poster presented at American Occupational Therapy Association Annual Conference and Expo, April, 2010; Orlando, FL.
7. **Sethi A**, Patterson T, Mcguirk T, & Richards L.G. Reliability of adaptive variability of upper extremity movements post stroke. Poster presented at Annual Society for Neuroscience Meeting, November 2010; San Diego, CA.
8. **Sethi A**, Patterson T, Mcguirk T, & Richards L.G. Quantification of abnormal upper extremity synergy post stroke. Poster presented at Annual Society for Neuroscience Meeting, November 2012; New Orleans, LA.
9. **Sethi A**, Richards LG, Patten CP, Patterson T, & Stergiou N. Guiding principles for addressing upper extremity impairments in individuals with chronic stroke. Research Paper presented at American Occupational Therapy Association Annual Conference and Expo, April 2014; Baltimore, MD.
10. **Alibjeji NA, Kirsch N, **Sethi A**, Sharma N. A state synchronization controller for functional electrical stimulation-based telerehabilitation. Research paper presented at the Annual Dynamic Systems and Control Conference of American Society of Mechanical Engineers, October 2014, San Antonio, TX.
11. **Sethi A**, Callaway C, Sejdic E, Terhorst L, Skidmore ER. Heart rate variability is associated with upper extremity recovery after stroke. Poster presented at the annual meeting American Society of Neurorehabilitation, November, 2014, Washington DC.
12. *Raj S, Dounskaia N, & **Sethi A**. Examining joint control in multi-joint movements in patients with stroke. Poster presentation at the Biomedical Engineering Society Conference, October 2015, Tampa, FL.
13. **Gustafson J, Farrokhi S, **Sethi A**. Knee Motion Variability during Walking Exercise in Patients with Knee Osteoarthritis, Podium presentation at the Gait and Clinical Movement Analysis Society, May 2016.
14. **Sethi A**, Raj S, & Dounskaia N. Interaction torque control deficits in patients with stroke, Poster presentation at the Society for Neuroscience, November 2016, San Diego, CA.
15. **Sethi A**, Santarone E, & Pascual-Leone A. Combined brain and hand stimulation in moderate to severe chronic individuals with stroke. Poster presented at the annual meeting American Society of Neurorehabilitation, November, 2016, San Diego, CA.

16. **Sethi A**, Acharya, A., Raj S, & Dounskaia N. Control of paretic and non-paretic arm during bimanual reaching movements after stroke. Poster presentation at the Society for Neuroscience, November 2017, Washington DC.
17. *Stepansky KE, **Sethi A**, Everette J, Toto P, Bendixen RM. Caregiver preparedness training within inpatient brain injury rehabilitation: A Scoping review. Poster presentation at the American Congress of Rehabilitation Medicine, September, 2018, Dallas, TX.
18. Weber D, Sharma G, FriedenberG D, Urbin M, Sarma D, **Sethi A**. A Sleeve Electrode Array for Myoelectric Control of Functional Electrical Stimulation-Assisted Hand Function. Platform presentation at the IEEE Engineering in Medicine and Biology Society, July 2018, Honolulu, HI.
19. Sharma G, Weber D, FriedenberG D, Urbin M, Sarma D, **Sethi A**. A Sleeve Electrode Array for Myoelectric Control of Functional Electrical Stimulation-Assisted Hand Function. Poster presentation at American Congress of Rehabilitation Medicine, September, 2018, Dallas, TX.
20. *Stepansky KE, Bleakely S, Toto P, **Sethi A**. Caregiver preparedness training within inpatient brain injury rehabilitation. Platform presentation at the American Occupational Therapy Association, April, 2019, New Orleans, LA.
21. **Sethi A**, Santarnecchi E, & Pascual-Leone A. Combined brain and hand stimulation to improve hand function in individuals with moderate to severe chronic stroke: A pilot randomized controlled trial. Platform presentation at the annual meeting of the American Occupational Therapy Association, March 2020, Boston, MA. (Conference Cancelled)

State, Regional

22. **Sethi A**. Understanding movement variability: novel outlook towards neurorehabilitation. Presentation at Annual Texas Occupational therapy Association Meeting, November 2011; Fresco, TX.
23. **Sethi A**, Sejdic E, Balasubramanian CK, Brixey J, Kumar A, Ottenbacher M, Fisher S.R. The temporal distribution of ambulatory activity discriminates fallers from non-fallers in acutely ill older patients. Poster presented at University of Pittsburgh Aging Institute Day, March 2014; Pittsburgh, PA.
24. **Raj S, **Sethi A**, Piva S, Sowa G, Farrokhi S. Knee joint variability during walking exercise in patients with knee osteoarthritis. Poster presented at University of Pittsburgh, Rehabilitation Institute Research Day, June 2014; Pittsburgh, PA.
25. *Akanbi, T., Santarnecchi, E., Pascual-Leone, A., Munin, M., & **Sethi, A**. Combining Hand and Brain Electrical Stimulation in Individual with Severe Stroke: A Case Study. Poster presented at University of Pittsburgh, Rehabilitation Institute Research Day, May 2016; Pittsburgh, PA.
26. **Mercader. D., Santarnecchi, E., Pascual-Leone, A., Munin, M., Foldes, S, & **Sethi, A**. EEG changes after the Combined Brain and Hand Electrical Stimulation in moderate to severe Individuals with Chronic Stroke. Poster presented at University of Pittsburgh, Rehabilitation Institute Research Day, May 2016; Pittsburgh, PA.
27. *Eldeeb S, Susam B, Akcakaya M, Sybeldon M, Foldes S, Santarnecchi E, Pascual-Leone A, & **Sethi A**. Novel method to measure functional connectivity between motor cortices after stroke. Poster presented at University of Pittsburgh, Rehabilitation Institute Research Day, June 2018; Pittsburgh, PA.

Invited Research Presentations

International

1. **Sethi A**. Guiding principles to improve upper extremity function after stroke. Invited Guest Speaker at the 52nd Annual Conference of the All India Occupational Therapists' Association, May 2015, New Delhi, India.
2. **Sethi A**. The connections between brain and heart: implications for motor recovery after stroke. Invited Guest Speaker at the Rehab Rounds at the University of Toronto, October 2015, Ontario, Canada.
3. **Sethi A**. Mechanistic studies: Determining who, what and how for clinical trials, Podium presentation at the 5th Annual Occupational Therapy Summit of Scholars, May 2016, Pittsburgh, PA.
4. **Sethi A**. Telerehabilitation in Occupational Therapy - Challenges, Perspective & Opportunities at the Swami Vivekanand National Institute of Rehabilitation Training and Research, August 2020, Orrisa, India (delivered remotely).
5. **Sethi A**. Developing interventions to promote upper extremity function and functional independence in individuals with stroke, on World Occupational Therapy Day, at the Manipal College of Health Professions, October 2020, Karnataka, India (delivered remotely).
6. **Sethi A**. Utilizing non-invasive brain stimulation and imaging to elucidate the mechanisms of motor recovery after stroke, Institute of Physically Handicapped, New Delhi, India, January 2022 (delivered remotely).
7. **Sethi A**. Developing mechanism informed interventions using a clinical reasoning framework, Institute of Physically Handicapped, New Delhi, India, January 2022 (delivered remotely).

State, Regional

8. **Sethi A**. Movement complexity and adaptability: evidence from reaching dynamics in individuals with stroke. Presentation at Division of Rehabilitation Sciences, University of Texas Medical Branch, April 2011, Galveston, TX.

9. **Sethi A.** Heart rate variability and motor recovery after stroke. Action Club at the Department of Kinesiology at the Penn State University, PA, March 2016.
10. **Sethi A.** Variability analyses reveal novel insights to motor recovery after stroke. Panther Rehabilitation Rounds at the University of Pittsburgh, PA, February 2016.
11. **Sethi A.** Application of non-linear analyses in rehabilitation. Doctoral seminar in rehabilitation Sciences at the University of Pittsburgh, PA, July 2016.
12. **Sethi A.** Application of non-linear analyses in sports rehabilitation. Doctoral seminar in the Department of Sports Medicine at the University of Pittsburgh, PA, September 2016; March 2018.
13. **Sethi A.** Non-invasive brain stimulation to monitor and enhance brain recovery. Invited speaker at the Pitt-McGowan Seminar series at the University of Pittsburgh, PA, October 2019.

OTHER RESEARCH RELATED ACTIVITIES

Journal Refereeing

- | | |
|---|----------------|
| 1. Reviewer, Stroke Research and Treatment, | 2012 – present |
| 2. Reviewer, Neurorehabilitation and Neural Repair | 2012 – present |
| 3. Reviewer, Archives of Physical Medicine and Rehabilitation | 2013 – present |
| 4. Reviewer, Journal of Rehabilitation Research and Development | 2014 – present |
| 5. Reviewer, Clinical Medicine and Research | 2014 – present |
| 6. Reviewer, American Journal of Occupational Therapy | 2014 – present |
| 7. Reviewer, Occupational Therapy Journal of Research | 2015 – present |
| 8. Reviewer, Medicine | 2013 – present |
| 9. Reviewer, Journal of Motor Behavior | 2015 – present |
| 10. Reviewer, Neural Plasticity | 2016 – present |
| 11. Reviewer, Journal of Neural Engineering and Rehabilitation | 2018 – present |

Extramural Grant Reviewing

- | | |
|--|------------------|
| 1. Scientific Reviewer, National Center for Neuromodulation for Rehabilitation | 2017, 2018, 2020 |
| 2. National Science Foundation, Graduate Research Fellowship | 2020 |

Intramural Grant Reviewing

- | | |
|--|------------|
| 3. Reviewer, Clinical and Translational Science Institute, University of Pittsburgh | 2014, 2018 |
| 4. Reviewer, Clinical and Translational Science Institute, University of Pittsburgh | 2017 |
| 5. Reviewer, Central Research Development Fund, University of Pittsburgh | 2017 |
| 6. Reviewer, Grant review, School of Health and Rehabilitation Science Research Development Fund | 2017 |
| 7. Reviewer, Grant review, Rehabilitation Institute, UPMC and University of Pittsburgh | 2019 |

Research Review Committee

- | | |
|---|----------------|
| 1. Reviewer, Research abstracts, American Occupational Therapy Association Conference | 2013 – present |
| 2. Reviewer, Research day abstracts, University of Pittsburgh Rehabilitation Institute Research Day | 2015 – present |
| 3. Reviewer, Posters, Rehabilitation Institute Research Day, University of Pittsburgh and UPMC | 2015 – 2019 |
| 4. Reviewer, All India Occupational Therapists' Association Conference | 2015 |
| 5. Reviewer, Research abstracts, 6th Occupational Therapy Summit of Scholars | 2017 |

Laboratory Memberships

Laboratory Name, Principal Investigators

- | | |
|---|----------------|
| 1. Motor Action Laboratory; Kamm, K. | 2004 – 2005 |
| 2. Human Motor Performance Laboratory; Richards, LG. | 2006 – 2010 |
| 3. Neuromotor Recovery and Rehabilitation Laboratory; Sethi A. | 2013 – present |
| 4. Rehabilitation Neural Engineering Laboratory; Sethi A. | 2016 – present |

RESEARCH SUPERVISION AND MENTORING

Theses and Dissertations

Current Doctoral Dissertation Committees

Bayazeed A. Role of non-primary motor cortical areas in motor recovery after stroke. Doctor of Philosophy, Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh. Committee Chair: **Sethi A.**
Anticipated completion 2025.

Current Postdoctoral Committees

Styler B. Automated robotic arm attachments to enable in hand manipulation in users of power wheelchairs. Department of Rehabilitation Science and Technology, School of Health and Rehabilitation Sciences, University of Pittsburgh. Primary Mentor: Ding D. Secondary Mentors: **Sethi A.**, Admoni, H, Simmons R. Anticipated completion 2023.

Completed Clinical Doctoral Capstone Committees

Stepansky K. Caregiver Preparedness Training within Inpatient Brain Injury Rehabilitation. Clinical Science Doctor, Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh. Committee Chair: **Sethi A.** Completed 2018.

O'Brien K. Investigating Wheeled Mobility Device Prescription Practices for Patients with Stroke in Inpatient Rehabilitation. Clinical Science Doctor, Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh. Committee Chair: **Sethi A.** Completed 2019.

Completed Doctoral Dissertation Committees

Allen M. Data-driven rehabilitation development for stroke patients using machine learning techniques. Doctor of Philosophy, Department of Mechanical Engineering, Swanson School of Engineering, University of Pittsburgh. Committee Chair: Clark W. Committee Members: **Sethi A.**, Cole D, Sharma N. Completed 2020.

Completed Postdoctoral Committees

Foldes S. Effects of MEG-based neurofeedback for hand rehabilitation after tetraplegia: preliminary findings in cortical modulations and grip strength, School of Medicine, University of Pittsburgh. Primary Mentor: Collinger J. Secondary Mentors: **Sethi A.**, Boninger M. Completed 2017.

Other research mentoring

Completed Doctoral student mentoring

Mohamed S. Published manuscript - EEG-based functional connectivity method to analyze motor recovery after stroke: A pilot study, Swanson School of Engineering, University of Pittsburgh. Primary Mentor: Akcakaya M, Secondary Mentor: **Sethi A.** Completed 2018.

Gustafson J. Awarded - Best Poster at the Gait and Clinical Movement Analysis Society, Project - Knee Motion Variability during Walking Exercise in Patients with Knee Osteoarthritis, School of Health and Rehabilitation Sciences, University of Pittsburgh. Primary Mentor: Farrokhi S, Secondary Mentor: **Sethi A.** Completed 2016.

Alibjeji N. Awarded - Best Poster at the Annual Dynamic Systems and Control Conference of American Society of Mechanical Engineers, Project - A state synchronization controller for functional electrical stimulation-based Telerehabilitation, Swanson School of Engineering, University of Pittsburgh. Primary Mentor: Sharma N, Secondary Mentor: **Sethi A.** Completed 2014.

Completed Master's student mentoring

Akanbi T. Awarded - K Leroy Irvis Fellowship, Project - Feasibility of combined brain and hand stimulation after moderate to severe stroke, School of Health and Rehabilitation Sciences, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2017.

Leece C. Awarded - First Gear Pilot Grant from Innovation Institute, Project - Customer discovery of Individualized hand improvement and tracking system for stroke, School of Health and Rehabilitation Sciences, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2017.

Completed Bachelor's student mentoring

Raj S. Published manuscript - Effect of stroke on neural control of joint motions during reach-to-grasp: A preliminary study, Journal of Motor Behavior, Swanson School of Engineering, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2019.

Fleischmann K. - Project - Developing a method to deliver synchronized brain and hand stimulation in individuals with moderate to severe stroke. Swanson School of Engineering, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2018.

Wong D. - Completed Thesis, Project - Examining the relationship between changes in hand movement and hand function after combined brain and hand stimulation intervention after moderate to severe stroke. Dietrich School of Arts & Sciences, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2018.

Bhaskar S. - Completed Thesis, Project - Examining the relationship between walking and functional independence after acute stroke. Dietrich School of Arts & Sciences, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2018.

Acharya A. Awarded - Rehabilitation Engineering Undergraduate (ASPIRE) Fellowship, Project - Control of paretic and non-paretic arm during bimanual reaching movements after stroke. Swanson School of Engineering, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2017.

Mercader D. Awarded - Best Poster at the Rehabilitation Institute Research Day, Project – Neural mechanisms underlying combined brain and hand stimulation intervention after moderate to severe stroke. Swanson School of Engineering, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2016.

Raj S. Awarded - Health Science Research Fellowship, Project - Effect of stroke on neural control of joint motions during reach-to-grasp. Swanson School of Engineering, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2016.

Good K. - Project - Examining fidelity among therapists delivering combined brain and hand stimulation intervention after moderate to severe stroke. School of Education, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2016.

Raj S. Awarded - Best Poster at the Rehabilitation Institute Research Day, Project – Knee joint variability during walking exercise in patients with knee osteoarthritis. Swanson School of Engineering, University of Pittsburgh. Primary Mentor: **Sethi A.** Completed 2015.

SERVICE

INTERNATIONAL, NATIONAL, and REGIONAL ORGANIZATIONS

National Organizations

| <i>Role, Service</i> | <i>Organization</i> | <i>Dates</i> |
|--|---|--------------|
| 1. Invited Member, Online Presence Committee | American Society for Neurorehabilitation | 2016 – 2018 |
| 2. Consultant, Covid-19 Task Force | American Association of Physicians of Indian Origin | 2021 – 2022 |
| 3. Invited Member, Stroke Net Fellow Training Core Committee | Stroke Net (NINDS) | 2021 - 2022 |

Regional Organizations

| <i>Role, Service</i> | <i>Organization</i> | <i>Dates</i> |
|--|-----------------------------------|----------------|
| 1. Upper Extremity Technology Review Board | Encompass Health | 2017- present |
| 2. Outcome Measures Committee | UPMC – Centers for Rehab Services | 2018 – present |

SERVICE TO ACADEMIC COMMUNITY

University of Pittsburgh

| <i>Role, Service</i> | <i>Dates</i> |
|---|----------------|
| 1. Chair, Program Committee, Rehabilitation Institute Research Day | 2016 – 2019 |
| 2. Elected Member, University Senate Research Committee, University of Pittsburgh | 2019 – present |

School of Health and Rehabilitation Sciences

| <i>Role, Service</i> | <i>Dates</i> |
|---|----------------|
| 1. Appointed Member, Technology and Innovation Group, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2018 – 2020 |
| 2. Appointed Member, Promotion and Tenure Taskforce, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2019 – 2020 |
| 3. Appointed Member, Planning and Budgeting Committee, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2021 – present |

Department of Occupational Therapy

| <i>Role, Service</i> | <i>Dates</i> |
|--|--------------|
| 1. Appointed Graduate Representative, Department of Occupational Therapy, College of Public Health and Health Professions, University of Florida | 2009 – 2010 |
| 2. Appointed Member, Stroke Support Group Organizing Committee, Department of Occupational Therapy, School of Health Professions, University of Texas Medical Branch | 2011 – 2013 |
| 3. Appointed Member, Educational Technology Group: University Ad-hoc Committee, Department of Occupational Therapy, School of Health Professions, University of Texas Medical Branch | 2012 – 2013 |
| 4. Chair, Special Events Committee, Department of Occupational Therapy, School of Health Professions, University of Texas Medical Branch | 2011 – 2013 |
| 5. Appointed Faculty Member, Curriculum Committee, Department of Occupational Therapy, School of Health Professions, University of Texas Medical Branch | 2011 – 2013 |
| 6. Chair, Research Committee, Department of Occupational Therapy, School of Health Professions, University of Texas Medical Branch | 2011 – 2013 |
| 7. Appointed Member, Occupational Therapy Chair Search Committee, Department of Occupational Therapy, School of Health Professions, University of Texas Medical Branch | 2012 – 2013 |
| 8. Appointed Member, Occupational Therapy Faculty Search Committee, Department of Occupational Therapy, School of Health Professions, University of Texas Medical Branch | 2011 – 2013 |

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| 9. | Appointed Faculty Member, Doctor of Occupational Therapy Program (entry-level) Curriculum Planning Committee, Department of Occupational Therapy, School of Health and Rehabilitation Services, University of Pittsburgh | 2015 – present |
| 10. | Appointed Member, Accreditation Committee, Doctor of Occupational Therapy Program (entry-level), Department of Occupational Therapy, School of Health and Rehabilitation Services, University of Pittsburgh | 2015 – present |
| 11. | Director, Program Evaluation Committee, Doctor of Occupational Therapy Program (entry-level), Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2015 – present |
| 12. | Appointed Member, Scientific Review Committee, Department of Occupational Therapy, School of Health and Rehabilitation Services, University of Pittsburgh | 2016 – present |
| 13. | Appointed Faculty Member, Recruitment Events/Activities (Open House), Department of Occupational Therapy, School of Health and Rehabilitation Services, University of Pittsburgh | 2016 – present |
| 14. | Appointed Committee Member, Doctor of Clinical Science of Occupational Therapy Program (post-professional) Admissions Committee, Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2017– 2019 |
| 15. | Appointed Member, Occupational Therapy Faculty Search Committee, Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2017, 2018 |
| 16. | Program Director, Master of Science in Occupational Therapy Program (post-professional), Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2018– present |
| 17. | Appointed Member, Program Directors Committee, Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2018– present |
| 18. | Appointed Member, Pitt OT Advisory Committee, Department of Occupational Therapy, School of Health and Rehabilitation Sciences, University of Pittsburgh | 2020– present |