

Marissa McCarthy, M.D.

Curriculum Vitae

Demographics

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Citizenship

USA

Education

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| Helms Medical Institute Chinese Scalp and Traditional Acupuncture | 2011-2012 |
| University of Miami Miller School of Medicine, MD, Honors Program in Medical Education | 2000-2004 |
| University of Miami Biology BS, Chemistry & Spanish Magna Cum Laude | 1998-2001 |

Postgraduate Training

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| Board Certification in Physical Medicine and Rehabilitation with subspecialty certification in Brain Injury Medicine and Licensed in the State of Florida (ME 100863) | 2009-present 2014-present |
| Physical Medicine and Rehabilitation, Baylor College of Medicine, Houston TX | 2005-2008 |
| Internal Medicine Internship New York Medical College St Vincent Catholic Medical Center Staten Island NY | 2004-2005 |

Awards, Honors, Honorary Society Memberships

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| Nominee Board of Directors American Board of Physical Medicine and Rehabilitation | 2022 & 2024 |
| Nominee Program Director of the year USF PMR | 2020-2024 |
| Nominee David M Worthen award James A Haley VA | 2023 |
| Founders Award Southern Sleep Society Medicine | 2015 |
| Physical Medicine and Rehabilitation Research Award | 2004 |
| Bowman Ashe Scholarship | 1998-2000 |

Appointments/Work Experience

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| The Performance Lab, Tampa, FL | 2025-present |
| Executive Director, Brain Health & Strategic Partnerships PMR MedLegal Consultants, LLC, Miami, FL | 2025-present |
| Partner of a corporation offering physician expert consulting and life care planning RED Medical Legal LLC, Tampa, FL | 2023-present |
| Medical legal consultant. Medical interests include traumatic brain injury, spinal cord injury and multiple catastrophic injuries. Practice Highlights for 2024 include: <ul style="list-style-type: none">• Direct Patient Care: 60%• Teaching: 20%• Medico Legal: 20% | |
| Merz Therapeutics – advisory board | 2023-present |
| Physical Medicine and Rehabilitation Residency Program Director University of South Florida | 2017-present |
| Associate Professor University of South Florida Department of Neurology | 2016-present |
| Medical Director Vocational Rehabilitation James A Haley VA | 2016-present |
| Ipsen Biopharmaceuticals – speaker, faculty | 2014-present |
| Diplomate American Board of Physical Medicine and Rehabilitation | 2009-present |
| Allergan Neurosciences, a division of AbbVie – speaker, faculty, advisory panel | 2009-present |
| Site Director Physical Medicine and Rehabilitation Residency Program James A Haley VA | 2008-present |
| Associate Program Director Physical Medicine and Rehabilitation Residency Program University of South Florida | 2012-2017 |
| Assistant Professor University of South Florida Department of Neurology | 2009-2016 |
| Medical Director TBI Polytrauma James A Haley VA | 2008-2016 |

Teaching Lecture

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| USF Medical School Student Interest Group- Acupuncture | 2020-present |
| Courses taught at USF within the department of Physical Medicine and Rehabilitation / James A Haley VA Hospital/Annual Resident Lecture Series Tampa FL <ul style="list-style-type: none">• Neuromuscular Disorders• Cerebral Palsy• Concussion• Introduction to Traumatic Brain Injury• Neuropharmacology• Mild Traumatic Brain Injury• Brain Injury in the Elderly | 2009-present |

- Traumatic Brain injury – Medical complications
- Spasticity
- Spastic Hypertonia and Related Disorders
- Case of the Month – Hydrocephalus
- Post-traumatic Epilepsy
- PMR pearls
- Traction
- Massage
- Manipulation
- Modalities

Teaching, Supervisory

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| Clinical supervisory and training responsibilities for 12 Physical Medicine and Rehabilitation residents annually | 2017-present |
| Evaluate all faculty annually for PMR Residency Program | 2017-present |
| Medical Director for vocational rehabilitation at James a Haley VA supervising vocational rehabilitation specialists | 2016-present |
| Battlefield Acupuncture Trainer for James A Haley VA | 2012-present |
| Formal teaching of peers at James A Haley VA | 2009-present |

Lectures by Invitation (international, national, regional, local)

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| National Polytrauma conference at JAHVA Spasticity and Battlefield Acupuncture | 2024 |
| IARP and IALCP Symposium National Life care plan conference - Concussion | 2024 |
| University of Louisville Grand Rounds - Acupuncture | 2024 |
| Spasticity and Battlefield acupuncture – Ukraine Delegates International | 2023 |
| USCENTCOM USF MCOM International Conference – Concussion | 2023 |
| Florida Society of PMR - Concussion | 2022 |
| Allergan Neurosciences Train the Trainer Upper and Lower Limb Spasticity Faculty Denver | 2021 |
| Association of Academic of Physiatrists, Symposium on Actigraphy and Sleep in TBI population Orlando FL | 2020 |
| Allergan Neurosciences – Invited instructor to Allergan Training RITE Program Atlanta, GA | 2019 |
| Merz Regional Consultants Meeting Tampa, Florida - invited consultant, Advisory Board Meeting Chicago, Illinois | 2019 |
| USSOCOM Care Coalition Conference 2016 Conference Westin Harbor Island Hotel expert member of PTSD and TBI panel | 2016 |
| Speaker Education Coordinator Retreat University of South Florida Tampa FL | 2016 |

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| Allergan Neurosciences Paralyzed Veterans of America (PVA) meeting, “Upper Limb Spasticity” Orlando, Florida | 2013 |
| Blast Injury National Conference 2012 Medical Co-morbidities in Patients with moderate to severe head injury, Tampa FL | 2012 |
| Allergan Neurosciences –BOTOX® (onabotulinumtoxinA) for Upper Limb Spasticity Patients Speaker Training Meeting., Invited Faculty Atlanta, GA | 2012 |
| 3rd Annual TBI Interagency Conference 2011 Acute rehabilitation of persons with disorders of consciousness: Outcomes from three multi-center studies Washington DC | 2011 |
| Polytrauma System of Care Conference 2011 Rehabilitating Combat Related Polytrauma in 2011: New Injuries, New Paradigms, San Antonio | 2011 |
| Symposium presented at the American Congress of Rehabilitation Medicine Annual Meeting, Atlanta, GA. Nakase-Richardson, R. (Organizer), Horn, LJ, Greenwald, B, Himmler, M, McCarthy, M , Hammond, F, Yablon, SA. (2011, Oct). Part 2: Medical and behavioral complexity of persons with DOC. | 2011 |
| Kretzmer, TS, Daniels, BJ, Gootam, PK, McCarthy, M , Merritt, B, Anderson, WM., Nakase-Richardson, R. Concordance of actigraphy with overnight polysomnography: a pilot study. American Congress of Rehabilitation Medicine Annual Meeting 2011. | 2011 |
| Daniels, B, Nakase-Richardson, R, Kretzmer, T, Gootam, P, McCarthy, M , Anderson, WM, Zeitzer, J. Do epoch and sensitivity settings alter polysomnography and actigraphy agreement among medically complex TBI patients accepted to American Congress of Rehabilitation Medicine Annual Meeting 2011 | 2011 |
| American Academy of Physical Medicine and Rehabilitation Annual Conference Best Practices in Traumatic Brain Injury/Polytrauma Rehabilitation Orlando, FL | 2011 |
| Allergan Neurosciences – Invited instructor to Allergan Training RITE Program Tampa FL | 2010 |
| American Congress of Rehabilitation Medicine 2010 Acute rehabilitation of persons with disorders of consciousness: Outcomes from three multi-center studies Montreal Canada | 2010 |
| American Academy of Physiatry National Conference 2010 Blast Injury – Mild TBI Bonita Springs Florida | 2010 |
| Blast Injury National Conference 2010 Emerging Consciousness Program Tampa, Florida | 2010 |
| Neurology Grand Round Introduction to TBI USF | 2010 |

Abstracts, Publications, and Poster Presentations

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| Annual Meeting American Academy of Physiatry 2023 “Spacing Protocol for Intradermal Chemodenervation with botulinum toxin A for Residual Limb Hyperhydrosis. Matthew Wilhelm DO, McCarthy M . | 2023 |
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| National Conference American Osteopathic College of Physical Medicine and Rehabilitation – “Subcutaneous Chemodenervation with Botulinum Toxin A for Amputees with Residual Limb Hyperhidrosis.” Matthew Wilhelm DO, McCarthy M. | 2022 |
| Yankowski K, McCarthy M. , Padalia D, A Case of Psychogenic Non-Epileptic Seizure Activity After Interventional Cervical Pain Procedure Association of Academic Physiatrists, Orlando FL 3/2020 Florida Society of Physical Medicine and Rehabilitation Ft Lauderdale FL, | 2020 |
| Yankowski K, Mortazavi E, McCarthy M. Chemodenervation of eccrine glands for the treatment of hyperhidrosis of the residual limb of an amputee. Association of Academic Physiatrists, Puerto Rico 2/2019 American Academy of Orthotists and Prosthetics, Orlando FL, 3/7/2019 American Academy of Physical Medicine and Rehabilitation Annual Conference, San Antonio’s TX | 2019 |
| VA research day May 2017 James A Haley VA Tampa FL Presenter Name: Johanna Tran, M.D. & McCarthy, M. PI of Study Name: Risa Richardson, Ph.D. Poster Title: Rehospitalization in the First Year following Veteran and Service Member TBI: A VA TBI Model Systems Study Research Project Title: TBI Model System Research Project Number (IRB or IACUC #): PR00000094 Funding Source(s) General Dynamics Health Solutions, DVBIC | 2018 |
| Joel Kamper, Ph.D., Risa Nakase-Richardson, Ph.D., Dan Schwartz, M.D., McCarthy, M. , Tracy Kretzmer, Ph.D., Jeff Garafano, M.S., Robert Geck, M.D., William M. Anderson, M.D. The Validity of Actigraphy as a Sleep Correlate in the TBI population. Student-led oral presentation at the 2015 International Neuropsychological Society Annual Conference, Denver, Colorado. | 2017 |
| VA Research Day James A Haley VA Tampa FL Presenter: Krystal Yankowski DO, Elizabeth Mortazavi MD, McCarthy, M. Chemodenervation of eccrine glands for the treatment of hyperhidrosis of the residual limb of an amputee | 2016 |
| VA Research Day James A Haley VA Tampa FL Presenter: Matthew Vassaur MD, Jonas Santos DO, Marissa McCarthy M. Acupuncture for Phantom Limb Pain Holcomb E, Schwartz DJ, McCarthy M, Geck R, Garafano J, Modarres M, Barnett S, Schwaiger E, Nakase-Richardson R. Incidence of Sleep Apnea in Consecutive Traumatic Brain Injury Admissions at a Veterans Affairs Polytrauma Rehabilitation Center. Poster Presentation at the 2015 Associated Professional Sleep Societies (American Academy of Sleep Medicine and Sleep Research Society) Annual Meeting in Seattle, WA. | 2016 |
| Corey Reeves M.D., Marissa R. McCarthy, M. , Faiza Humayun, M.D. Cognitive and Physical Recovery Status Post Severe Anoxic Brain Injury. Association of Academic Physiatrists. Annual Meeting March 2015. | 2015 |

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| Bentley JA, Nakase-Richardson R, McCarthy M. , Anderson WM. (2011). Examining the concordance between actigraphy and polysomnography in monitoring sleep among acute traumatic brain injury patients: A case series. Paper presented at the Rehabilitation Psychology Annual Conference. Medicine. Annual Meeting: October 2015. | 2015 |
| McCarthy, M. , & Massengale, J. (2012) Brain Injury Co-morbidities: Focus on Intracranial Infection. Presentation at 2012 DVBIC TBI Symposium, Tampa, FL. December 2012. | 2012 |
| Cognitive and Physical Recovery After Cranioplasty in a Patient with Syndrome of the Trephined. American Congress of Rehabilitation Kent, R, McCarthy, M. , Nakase-Richardson, R, Massengale, J, Cifu, D, Frontera, A. (2011). Case study of five patients with severe TBI's that underwent hyperbaric oxygen treatment. Poster presented at the 2011 American Congress of Rehabilitation Medicine Annual Meeting. | 2011 |
| Massengale J, Tran J, Schwartz T, Groer S, Scott S, McCarthy M. , Nakase-Richardson R, Heinzl F. (2011). Prevalence of Intracranial Infection Among a Consecutive Series of VHA Patients with Disorders of Consciousness. Poster presentation to Federal Interagency Conference on Traumatic Brain Injury, Washington, DC. June, 2011. | 2011 |
| Gootam, PK, Kretzmer, TS, Daniels, BJ, McCarthy, M. , Merritt, B, Anderson, WM, Nakase-Richardson, R. Concordance of actigraphy and polysomnography metrics in patients with traumatic brain injury: a pilot study. Poster Annual Academy of Sleep Medicine Meeting 2011. | 2011 |
| Manzi, S, McCarthy M. , Francisco, GE: Computerized Tomography (CT)-Guided Injection of the Iliopsoas Muscle: Successful Outcomes in a Case Series. An Alternative Technique for the Intervention of Spastic Hypertonia. Poster presentation November 2008 AAPMR. | 2008 |

Clinical Activities or Innovations (specialty certification, professional licenses, practice activities, clinical innovations, technical and other scientific innovations)

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| Acupuncture Clinic Dept of Neurology | 2019-2024 |
| TBI Clinic Dept of Neurology | 2019-2024 |
| University of South Florida Concussion Center | 2019-2024 |
| Dept of Orthopedics and Sports Medicine | |
| AAP- National Program Director committee | 2017-2024 |
| National Acupuncture SOP task force member – Veterans Affairs | 2022-2023 |
| Root Cause Analysis (RCA) member | 2018-2019 |
| National Fertility Task Force member – Veterans Affairs | 2021 |
| National Wheelchair Adaptive Tai Chi Instructor | 2018 |
| National Certified Yoga Instructor | 2017 |
| National Certified Battlefield Acupuncture Instructor – Veterans Affairs | 2016 |
| Established 1st Spasticity Clinic James A Haley VA | 2015 |

Published Bibliography (Peer-reviewed-list from earliest to most recent; letter to editor/replies)

Peer-reviewed (list from earliest to most recent; letter to editor/replies

- M.L. Sipski; MD; C. Alexander; PhD; O. Gomez-Marin; MSc; PhD; **M. Grossbard**; BS; R. Rosen; PhD. Effects of Vibratory Stimulation on Sexual Response in Women with Spinal Cord Injury *Journal of Rehabilitation Research and Development*. September/October 2005; Volume 42, Number 5 Pages 609-616. 2005
- McCarthy M.**, Manzi S, Rintala DH, Francisco GE, Chiou Tan F: 2008
Poster Board 139: Safety of Botulinum Toxin Type A Dosing in Patients with Spinal Cord Injury or Stroke. *Erratum: Am J Phys Med Rehabil* 2008; 87:45
- McCarthy M.**, Manzi S, Nouri K: Poster Board 352: Bariatrics and the Role of the Rehabilitation Specialist – Opportunity or Duty? *Am J Phys Med Rehabil* 2008; 87(suppl): S53 2008
- Nakase-Richardson, R, Giacino JT, Whyte J, Pavawalla, S, Barnett, S, Yablon, SA, **McCarthy, M.**, Tran, J., Sherer, M, Kalmar, K, Hammond, B, Greenwald, B, Horn, L, Carlisle, M, Seel, R, Walker, W. Prospective characterization of the natural history of recovery from severe TBI. *Journal of the International Neuropsychological Society*, 17(S1), 230 2009
- Tracy S. Kretzmer, Risa Nakase-Richardson, Praveen K. Gootam, **McCarthy M.**, Bryan Merritt, William M. Anderson. Poster 125 Sleep Diagnoses among A TBI Cohort Referred for Polysomnography During Inpatient Rehabilitation. *Archives of Physical Medicine and Rehabilitation* 1 October 2011 (volume 92 issue 10 Pages 1727-1728 DOI: 10.1016/j.apmr.2011.07.151) 2011
- Kent, Robert, Risa Richardson, **McCarthy M.**, David Cifu, Alfred Frontera, and Jill Massengale. "Use of Hyperbaric Oxygen Treatment in Chronic Severe Traumatic Brain Injury." *Physical Medicine and Rehabilitation* 3.10 (2011): 178-179. 2011
- Kent R, **McCarthy M.**, Nakase-Richardson R, Massengale J, Cifu D, Frontera A: Case study of five patients with severe TBI that underwent Hyperbaric Oxygen Treatment. *Arch Phys Med Rehabil* 2011;92(10):1726) 2011
- Kent R., **McCarthy, M. R.**, & Scott, S. (2012). Poster 47 An Athlete with a Right Subdural Hematoma with Ipsilateral Hemiparesis Secondary to Kernohan's Notch Phenomenon: A Case Report. *PM&R*, 4(10), S205. 2012
- Silva, M.A., Nakase-Richardson, R., Critchfield, E., Kieffer, K, & **McCarthy, M.** Syndrome of Trepine Presentation in a Minimally Responsive Patient: In search of Measures Sensitive to Neurologic Decline. Poster presentation at the 2012 National Academy of Neuropsychology Annual Conference. *Arch Clin Neuropsychology* 2012 Sep;27(6): 628. 2012

- Nakase-Richardson R, McNamee S, Howe LLS, Massengale J, Peterson M, Barnett SD, Harris O, **McCarthy M.**, Tran J, Scott S, Cifu DX. Descriptive characteristics and rehabilitation outcomes in active duty military personal and veterans with disorders of consciousness with combat and non-combat-related brain injury. Arch of Phys Med Rehab. 2013; 94(10): 1861-1869 2013
- Holcomb EM, Schwartz DJ, **McCarthy M.**, Thomas B, Barnett SD, Nakase-Richardson R. Incidence, characterization, and predictors of sleep apnea in consecutive brain injury rehabilitation admissions. J Head Trauma Rehabil. 2016; 31(2): 82-100. doi: 10.1097/HTR.000000000000230 PMID: 26959663 2016
- Tran J, Hammond F, Dams-O'Connor K, Tang X, Eapen B, **McCarthy M.**, Nakase-Richardson R. Rehospitalization in the First Year following Veteran and Service Member TBI: A VA TBI Model Systems Study. Journal of Head Trauma and Rehabilitation July/Aug 2017 2017
- Books, Textbooks, Chapters** (list from earliest to most recent)
- Marissa McCarthy MD**, Essentials of Physical Medicine and Rehabilitation, 3rd edition, Chapter 145 Polytrauma Rehabilitation, 2014 pages 769-774. 2014
- Marissa McCarthy MD**, Essentials of Physical Medicine and Rehabilitation, 3rd edition, Chapter 113 Temporomandibular Joint Dysfunction, 2014, pages 567-571. 2014
- Marissa McCarthy MD**, Feliu A, Nakase-Richardson R. Polytrauma System of Care. Encyclopedia of Clinical Neuropsychology; Springer. 2017 https://doi.org/10.1007/978-3-319-56782-2_9237-1 2017
- Marissa McCarthy MD**, Principles of Rehabilitation Medicine. Chapter 90: Rehabilitation of the Polytrauma Patient, 2019. 2019
- Marissa McCarthy MD** – “Upper Limb Spasticity with Botulinum Neurotoxin” in the Handbook of Spasticity: A Practical Approach to Management – Editors Dr. Ketchum and Dr. Gutierrez 2023
- Marissa McCarthy MD**, Prosthetics and Orthotics for Physical Therapists. Chapter 12: Overview of Pathologies for which Orthoses are Commonly Recommended, 2025. 2025

Other Research and Creative Achievements

Direction: CLIN-52120-452- International Study (enrollment ended September 2024)

A Multicentre, Interventional, Post-marketing, Randomised, Double-blind, Crossover Study to Evaluate the Clinical Safety and Efficacy of AbobotulinumtoxinA (Dysport®) in Comparison with OnabotulinumtoxinA (Botox®) When Treating Adults With Upper Limb Spasticity. This study is aiming to demonstrate the non-inferiority of AbobotulinumtoxinA (aboBoNT-A) versus OnabotulinumtoxinA (onaBoNT-A) as the primary safety endpoint, and the superiority of aboBoNT-A over onaBoNT-A with respect to duration of response as the key secondary efficacy endpoint when used at optimal doses according to approved prescribing information of each product. Role – PI

James A Haley TBI Model System Program of Research IRB PR 00000094 | 2009 – present, role co – PI

The Veterans Affairs Central Office has developed an inter-agency agreement with the U.S. Department of Education’s National Institute on Disability and Rehabilitation and Research (NIDRR) TBI Model System Program to manage a database of variables associated with injury severity and outcomes associated with the longitudinal recovery course associated with TBI for persons admitted to a polytrauma rehabilitation center (PRC) in the VA health care system. The VA Central Office has indicated that the primary purpose of this data will be used to gauge performance of VA PRC inpatient rehabilitation programs relative to the private sector TBI inpatient rehabilitation programs part of the TBI Model Systems Programs. Knowledge gained from systematic comparison of VA TBI Model System programs with private sector TBI Model System programs will help develop benchmarks for program improvement within the VA PRC health care system. Finally, data collected will be used to supplement investigator-initiated studies of TBI within the VA PRC health care system. This study has generated over 120 articles to date.

Service (university, hospital/profession, scientific meetings, community service, society memberships, professional or scientific, international, national, regional, local, editorial positions)

American Board of Physical Medicine and Rehabilitation

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| Invited Part II Oral Board Examiner | 2015-present |
| Invited Written Examiner, Brain Injury Medicine | 2015-present |
| Board of Directors Mac Parkman Foundation – National non-profit | 2024 |
| National American Board of Physical Medicine and Rehabilitation, MN | 2015-2024 |
| Participant, Pilot Program for Longitudinal Assessments | 2019 |
| Invited Standard Setting ABPMR Part I Examination | 2018 |
| Invited Clone Question Writer | 2017 |
| Invited Cert Link Item Writer | 2016 |

University of South Florida Medical Graduate Education, Tampa, FL

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| Special Review Committee | 2018-present |
| Graduation Committee | 2012-present |
| Graduate Medical Education Committee | 2008-present |

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| SOF Missions, Tampa, FL – National non-profit | 2019-2022 |
| Medical Director for a non-profit 501c3 non-profit organization supporting brain health and suicide prevention; responsibilities include monthly clinics and coordinated care | |
| Academy at the Lakes, Land O’Lakes, FL | 2012-present |
| Annual guest lecture on Brain Injury Awareness | |
| Glazer Children’s Museum, Tampa, FL | 2019 |
| Host committee member, Glazer Children’s Museum Gala | |
| National Organizations and Committees | |
| ACRM Brain Injury I-SIG Disorder of Consciousness Task Force | 2009-2024 |
| American Academy of Phys. Med. Rehab. Member | 2018-2019 |
| American Congress of Rehabilitation Medicine NIDRR and VA TBI | 2008-2009 |
| Model System Disorder of Consciousness Special Interest Group and Association of Academic Psychiatrists Member | 2005-2008 |
| Department of Neurology, University of South Florida, Tampa, FL (summary of key contributions) | |
| Annual Program Evaluation for ACGME PMR Residency | 2016-present |
| Lead Clinical Competency Committee (CCC) for resident advancement | 2012-present |
| Physical Medicine and Rehabilitation Milestone Project | 2009-present |
| TBI rotation curriculum update annually with goals and objectives | 2009-present |
| Supervise brain injury didactic series update annually | 2009-present |
| Journal Club/Case of the Month | 2009-present |
| Interview all PMR candidates | 2008-present |
| OSCE to assess musculoskeletal knowledge and skills (organizer and examiner) | 2012-2016 |
| ACGME PIF preparation | 2010-2014 |
| Mock oral examinations | 2009-2014 |
| Teaching the Teacher to Teach Course at USF | 2012 |
| TBI fellowship curriculum development | 2009 |