

**Faculty Education & Scholarship Summary Report**  
**July 1, 2019 – June 30, 2020**  
 Department of Physical Medicine and Rehabilitation  
 UNC School of Medicine

**Faculty**

Joshua Alexander, MD  
 JM Baratta, MD, MBA  
 Elizabeth Barton, MD  
 Christine Cleveland, MD  
 Peter Duquette, PhD  
 Keturah Faurot, PhD, MPH, PA  
 William Filer, MD  
 Susan Gaylord, PhD  
 Mathew Harris, PhD, ABPP(CN)  
 James Hill, MD, MPH

Michael Ingraham, MD  
 Kristopher Karvelas, MD  
 Angela Lipscomb-Hudson, MD  
 Zachary Merz, PhD  
 Kimberly Rauch, DO  
 Lee Shuping, MD, MPT  
 Raj Telhan, MD, MFA  
 Paul Thananopavarn, MD  
 Karla Thompson, PhD  
 Tanya Zinner, MD

***Bibliography***

PUBLISHED

1. Gelfman R, **Hill JJ 3rd**. Rehabilitating the Injured/Ill Worker to Maximum Medical Improvement (MMI). *Phys Med Rehabil Clin N Am*. 2019 Aug;30(3):657-669. doi: 10.1016/j.pmr.2019.03.012. Epub 2019 May 29. PMID: 31227140.
2. Woods-Giscombe CL, **Gaylord SA**, Li Y, Brintz CE, Bangdiwala SI, Buse JB, Mann JD, Lynch C, Phillips P, Smith S, Leniek K, Young L, Al-Barwani S, Yoo J, Faurot K. A Mixed-Methods, Randomized Clinical Trial to Examine Feasibility of a Mindfulness-Based Stress Management and Diabetes Risk Reduction Intervention for African Americans with Prediabetes. *Evid Based Complement Alternat Med*. 2019 Aug 14;2019:3962623. doi: 10.1155/2019/3962623. PMID: 31511777; PMCID: PMC6710811.
3. Wang CC, Li K, **Gaylord S**. Wang et al. Respond. *Am J Public Health*. 2019 Sep;109(9):e5-e6. doi: 10.2105/AJPH.2019.305239. PMID: 31390243; PMCID: PMC6687258.
4. **Yanuck SF**. Microglial Phagocytosis of Neurons: Diminishing Neuronal Loss in Traumatic, Infectious, Inflammatory, and Autoimmune CNS Disorders. *Front Psychiatry*. 2019 Oct 3;10:712. doi: 10.3389/fpsy.2019.00712. PMID: 31632307; PMCID: PMC6786049.
5. Lichtenstein, J.D., **Merz, ZC**. Post-Exertion Neuropsychological Testing in the Management of Sport-Related Concussion. *Psychol. Inj. and Law* 12, 146–154 (2019). doi: 10.1007/s12207-019-09350-0.
6. Phillips KH, Brintz CE, Moss K, **Gaylord SA**. Didgeridoo Sound Meditation for Stress Reduction and Mood Enhancement in Undergraduates: A Randomized Controlled Trial. *Glob Adv Health Med*. 2019 Sep 30;8:2164956119879367. doi: 10.1177/2164956119879367. PMID: 31632840; PMCID: PMC6769210
7. Brintz CE, Miller S, Olmsted KR, Bartoszek M, Cartwright J, Kizakevich PN, Butler M, Asefnia N, Buben A, **Gaylord SA**. Adapting Mindfulness Training for Military Service Members With Chronic Pain. *Mil Med*. 2020 Mar 2;185(3-4):385-393. doi: 10.1093/milmed/usz312. PMID: 31621856; PMCID: PMC7134381.
8. Garland EL, Brintz CE, Hanley AW, Roseen EJ, Atchley RM, **Gaylord SA, Faurot KR**, Yaffe J, Fiander M, Keefe FJ. Mind-Body Therapies for Opioid-Treated Pain: A Systematic Review and Meta-analysis. *JAMA Intern Med*. 2019 Nov 4;180(1):91–105. doi: 10.1001/jamainternmed.2019.4917. Epub ahead of print. PMID: 31682676; PMCID: PMC6830441.

9. **Merz ZC**, Lace JW, Eisenstein AM, Grant AF. Examination of Wechsler adult Intelligence Scale-Fourth Edition shortform IQ estimations in an outpatient psychoeducational sample. *Appl Neuropsychol Adult*. 2019 Nov 20:1-10. doi: 10.1080/23279095.2019.1687480. Epub ahead of print. PMID: 31747821.
10. Wang C, Li K, Seo DC, **Gaylord S**. Use of complementary and alternative medicine in children with ADHD: Results from the 2012 and 2017 National Health Interview Survey. *Complement Ther Med*. 2020 Mar;49:102352. doi: 10.1016/j.ctim.2020.102352. Epub 2020 Feb 19. PMID: 32147074.
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12. **Merz, ZC**, Perry, J. E., Brauer, A. H., Montgomery, T. L., Shulze, J., & Ross, M. J. (2020). The cost of mental illness: The public's derogation of athletes with psychological distress. *Stigma and Health*. Advance online publication. doi: 10.1037/sah0000213.
13. Lace, J.W., McGrath, A. & **Merz, ZC**. A factor analytic investigation of the Barkley deficits in executive functioning scale, short form. *Curr Psychol* (2020). doi: 10.1007/s12144-020-00756-7.
14. **Yanuck SF**, Pizzorno J, Messier H, Fitzgerald KN. Evidence Supporting a Phased Immuno-physiological Approach to COVID-19 From Prevention Through Recovery. *Integr Med (Encinitas)*. 2020;19(Suppl 1):8-35. PMID: 32425712; PMCID: PMC7190003.
15. Sisk B, **Alexander J**, Bodnar C, Curfman A, Garber K, McSwain SD, Perrin JM. Pediatrician Attitudes Toward and Experiences With Telehealth Use: Results From a National Survey. *Acad Pediatr*. 2020 May 8:S1876-2859(20)30182-0. doi: 10.1016/j.acap.2020.05.004. Epub ahead of print. PMID: 32437881; PMCID: PMC7207114.

## IN PRESS

1. Lace, J. W., **Merz, Z. C.**, Grant, A. F., Teague, C. L., Aylward, S., Dorflinger, J., & Gfeller, J. D. (In Press). Ecological Validity of a Multi-Domain Neuropsychological Test Battery in Adolescents with Mild Traumatic Brain Injury. *Journal of Pediatric Neuropsychology*.
2. Edmondson Pretzel R, Knickmeyer RC, DeRamus M, **Duquette P**, Okoniewsk KC, Reinhartsen DB. (In Press). Cognitive and Behavioral Development in Infants and Toddlers with Turner Syndrome. *Journal of Developmental and Behavioral Pediatrics*.
3. Areson D, **Filer W, Harris M, Shuping L**. (In Press). Accuracy of the Scratch Collapse Test for Carpal Tunnel Syndrome in Comparison to Electrodiagnostic Studies. *Hand*.
4. **Merz, Z. C.**, Perry, J. E., Hansen, A. A., Montgomery, T., Shulze, J., & Ross, M. J. (In Press). The Cost of Mental Illness: The Public's Derogation of Athletes with Psychological Distress. *Stigma and Health*.
5. **Merz, Z. C.**, Lace, J. W., & Eisenstein, A. M. (In Press). Intellectual Ability Estimations Obtained Within a Crowdsourced Internet Sample. *Current Psychology*.
6. Miller V, **Faurot K**, Palsson O, MacIntosh B, Suchindran C, Honvoh G, **Gaylord S**, Ramsden C, Mann. (Accepted June 2020). Comparing prospective headache diary and retrospective four-week headache questionnaire over 20 weeks: Secondary data analysis from a randomized controlled trial. Cephalalgia, Manuscript number: JCHA-00516-OA-2019.
7. Domenichiello AF, Jensen JR, Zamora D, Horowitz M, Yuan ZX, **Faurot K**, Mann JD, Mannes AJ, Ramsden CE. (In Press). Identifying oxidized lipid mediators as prognostic biomarkers of chronic post-traumatic headache. *Pain*. PAIN-D-20-00273/
8. Brintz, Carrie; Roth, Isabel; **Faurot, K**; Rao, Sanjana; **Gaylord, S**. (Accepted May 2020). Feasibility and acceptability of an abbreviated, four-week mindfulness program for chronic pain management. *Pain Medicine*. Manuscript ID PME-PRA-Feb-20-174.
9. **Telhan R**, McNeil KM, **Lipscomb-Hudson AR**, Guobadia EL, Landry MD. (Accepted July 2020). Reckoning with racial trauma in rehabilitation medicine. *Archives of Physical Medicine and Rehabilitation*.

## SUBMITTED

1. McSwain D, **Alexander J**, Curfman A and Herendeen N. Telemedicine: Applications in Pediatric Primary and Specialty Care. A Policy Statement from the American Academy of Pediatrics. Pediatrics. (In submission).
2. Zieff, Gabriel H; Stone, Lee; Frank, Barnett; **Gaylord, S**; Battle, Kate and Hackney, Anthony C. Do Aerobic Exercise and Mindfulness Act Synergistically to Mitigate Psychological Distress in College Students Experiencing High Levels of Stress? (Submitted.)
3. **Merz, Z. C.**, Lace, J. W., Coleman, T. R., & Roth, R. M. Challenging the Presumptive Link Between Extreme Musical Preference and Aggression. Manuscript. Psychology of Music. (Under review).
4. Kiken L, Peters JR, Bluth K, Rajagopalan R, **Gaylord S**. Predicting mindfulness interventions responses: Roles of baseline mindfulness facets in improvements in psychological mechanisms. Mindfulness. (Submitted).
5. Zieff, Gabriel H; Stone, Lee; Frank, Barnett; **Gaylord, S**; Battle, Kate and Hackney, Anthony C. Do Aerobic Exercise and Mindfulness Act Synergistically to Mitigate Psychological Distress in College Students Experiencing High Levels of Stress? Behavioral Medicine. (Submitted).
6. Iverson, G. L., Terry, D. P., Caccese, J. B., Büttner, F., & **Merz, Z. C.** Age of First Exposure to Football is Not Associated with Midlife Brain Health Problems. Manuscript. Journal of Neurotrauma. (Under review).
7. Lace, J. W., **Merz, Z. C.**, Kennedy, E. E., Seitz, D. J., Austin, T. A., Ferguson, B. J. & Mohrland, M. D. Examination of Five- and Four-Subtest Short Form IQ Estimations for the Wechsler Intelligence Scale for Children-Fifth Edition (WISC-V) in a Mixed Clinical Sample. Manuscript. Applied Neuropsychology: Child. (Under review).
8. Lace, J. W., McGrath, A. B., & **Merz, Z. C.** A Factor Analytic Investigation of the Barkley Deficits in Executive Functioning Scale, Short Form. Manuscript. Current Psychology. (Under review).
9. Curfman A, Hackell J, Herendeen N, **Alexander J**, Marcin J, et al. Telehealth: Applications in Pediatric Primary and Specialty Care. A Policy Statement from the American Academy of Pediatrics. Pediatrics (Submitted).
10. Roby PR, **Duquette PJ**, Kerr ZY, Register-Mihalik JK, Stoner L, & Mihalik JP. (2020). The effect of repetitive head impact exposure on cerebrovascular function in adolescent athletes. American Journal of Sports Medicine. (Under review).
11. Miller, Vanessa, **Faurot K**, Ramsden C, Honvoh, G, **Gaylord S**, Mann JD. Comparing prospective headache diary and retrospective four-week headache questionnaire over 20 weeks: Secondary data analysis from a randomized controlled trial. Cephalalgia. (Under review. Accepted with major revisions. May 2020.)
12. Andersen, Elizabeth; Geiger, Paul; Tauseef, Hafsa; Schiller, Crystal; Bluth, Karen; Watkins, Lana; Xia, Kai; Zhang, Ying; Leserman, Jane; **Gaylord, Susan**; Girdler, Susan. Effects of Mindfulness-Based Stress Reduction on Acute Pain and Stress Reactivity in Women with Early Life Abuse: A Randomized Controlled Trial. Psychosomatic Medicine. (Under revision).
13. Ramsden, Christopher; Daisy Zamora, **Keturah Faurot**, Beth MacIntosh, Mark Horowitz, Gregory Keyes, Zhi-Xin Yuan, Vanessa Miller, Chaneé Lynch, Gilson Honvoh, Jinyoung Park, Russell Levy, Dr. Anthony Domenichiello, Angela Johnson, Sharon Majchrzak-Hong, Joseph Hibbeln, David Barrow, James Loewke, John Davis, Andrew Mannes, Olafur Palsson, Chirayath Suchindran, **Susan Gaylord**, J Mann. Targeted alteration of precursor n-3 and n-6 fatty acids for headache reduction in adults with episodic migraine: a randomized controlled trial. Nature Medicine. Under review. (Submitted).
14. **Telhan, R.**, DeSelm, T., Polk, C., Steadman, E., Chuang, A., Rahangdale, L., Weil, Amy., Dent, G. Narrative Integrity Testing: Mitigating the Limitations of the Virtual Interview. Learning Communities Institute (Accepted).

## BOOK CHAPTERS

1. Carneiro K, **Filer W**. Facial Nerve and Blink Studies. In: McLean EMG Guide, 2<sup>nd</sup> edition. 2019. Visco C, Chu S, Jayabalan P.
2. Lange A, **Gaylord S**. Homeopathy. In Joseph Pizzorno & Michael Murray (Eds.) *Textbook of Natural Medicine* 5<sup>th</sup> ed. In process for Fall 2020.
3. **Duquette PJ**, Spotts PH. Concussion Management in College Students. In J. A. Vaughn & A. J. Viera (Ed.) In

*Principles and Practice of College Health*. In process for Fall 2020.

4. **Gaylord S**, Kadro Z. Integrative medicine in the care of the elderly. In: *Reichel's Care of the Elderly*, in process for Fall 2020.
5. **Thananopavarn P, Zinner T, Baratta JM**. Rehabilitation in the elderly. In: *Reichel's Care of the Elderly*, in process for Fall 2020.
6. **Alexander J**, Alexander M, Hefner J. Pediatric Telerehabilitation. In: *Telerehabilitation: Principles and Practice*, in process for Fall 2020.
7. McBride JM, **Thananopavarn P**, Tilley V. Rehabilitation. In: *Primary Care Geriatrics 7th ed*, in process for Fall 2020.

#### PUBLISHED ABSTRACTS

1. None

#### MEETING ABSTRACTS/POSTERS

1. Jessica Barnhill, MD<sup>1</sup>, Isabel Roth, DrPH, MS, Gilson Honvoh, MS, Chanee Lynch, MPH, **Kim Faurot, PA, PhD**, Karla Thompson, PhD and **Susan Gaylord, Ph.D**. Applying a holistic curriculum at a rehabilitation center to advance integrative health services. American Public Health Association. November 2-6, 2019. Philadelphia, PA.
2. Chanee Lynch, MPH, Chadd Michael Hearn, BA, **Kim Faurot, PA, PhD<sup>3</sup>**, Chloe Brown, BS, Zayne Dadressan, BA, **Susan Gaylord, Ph.D**. Process for Creating an Attention-Control Group Curriculum for Mindful Self-Compassion. American Public Health Association. November 2-6, 2019. Philadelphia, PA. Abstract #450883-Presented as poster presentation.
3. Christine Lathren, MD, MSPH, Jinyoung Park, MS, Karen Bluth, PhD, **Susan Gaylord, PhD**, Bharathi Zvara, MS, PhD. Self-Compassion and Parent-Pre-Adolescent Relationships. Society for the Study of Human Development. October 11-13, 2019, Portland, OR.
4. **Claudia Wang**, PhD, Kaigang Li, PhD, M.Ed. and **Susan A. Gaylord, PhD**. Prevalence, Patterns, and Predictors of Meditation Use among U.S. Children: Results from the 2017 National Health Interview Survey. American Public Health Association. November 2-6, 2019. Philadelphia, PA. Presented as poster presentation.
5. Sainburg D, **Rauch K**. Subarachnoid Hemorrhage/Subdural Hematoma as a Red Herring in a Case of HIV Associated Myelitis: A Case Report. American Academy of Physical Medicine and Rehabilitation Annual Assembly. November 2019, San Antonio, TX.
6. **Harris, M. & Merz, Z. C.** *High Rates of Structured Inventory for Malingered Symptomatology (SIMS) Elevations in Neuropsychological Patients*. Poster accepted at the 48th Annual Meeting of the International Neuropsychological Society (INS), February 2020, Denver, CO.
7. Riden T, Vijayaraghavan N, and **Ingraham M**. *Lumbar facet Arthropathy caused by Calcium Pyrophosphate Deposition (Pseudogout)*. Association of Academic Physiatrists. March 2020, Orlando, FL.
8. Vijayaraghavan N, Riden T, and **Ingraham M**. *Lumbar Facet Cyst Aspiration for Treatment of Lumbar Radicular Pain*. Association of Academic Physiatrists. March 2020, Orlando, FL.
9. Sainburg D, Vijayaraghavan N and **Ingraham M**. *Trigger Point Injections as a Successful Replacement for Narcotics in a Case of Myofascial Neck Pain: A Case Study*. American Academic of Pain Medicine Feb-March 2020, National Harbor, MD.
10. Post E, Corbett A, Asher GA, Nguyen C, Kadro Z, Hill J, **Faurot K**. *Patient Perspectives on Development of a Mobile Health Application to Improve Dietary Supplement Tracking and Reconciliation*. [Poster presentation] 2020 International Congress on Integrative Medicine and Health Cleveland, OH. April 28-May 1, 2020. (Conference cancelled due to COVID-19-online poster presentation)
11. Nguyen C, Corbett A, Asher GA, Post E, Kadro Z, Hill J, **Faurot K**. *Competitive Market Landscape Analysis - Dietary Supplement Mobile Health Application*. [Poster presentation] 2020 International Congress on Integrative Medicine and Health Cleveland, OH. April 28-May 1, 2020. (Conference cancelled due to COVID-19-online poster presentation)

12. Barnhill J, Roth I, Honvoh G, Lynch C, **Faurot K, Thompson K, Gaylord S**. Whole Health for Life at the Rehabilitation Center. Academic Consortium of Integrative Health and Medicine, Board Members Meeting. Conference cancelled due to COVID-19.
13. Kenney K, **Faurot K**, MacIntosh B, Arrieux J, Bean M, Cole W, Davis C, Guerra M, Mann JD, Moore C, Nothwehr A, Ory R, Palsson O, Reese M, Rivera W, Roberson B, Russell K, Sandlain R, Wallace D, Ramsden C. *Multi-site RCT of Targeted Dietary Manipulation as an Adjunct Strategy for Managing Chronic Post-Traumatic Headache*. Military Health System Research Symposium, 2019.
14. **Filer W**, Areson D, **Shuping L, Harris M**. Accuracy of the Scratch Collapse Test for Carpal Tunnel Syndrome in Comparison to Electrodiagnostic Studies. Association of Academic Physiatrists Annual Meeting, March 2020. Orlando, FL.
15. Truong T, **Shuping L, Filer W**. A Rare Complication of Femoral Neuropathy following an Endovascular Aneurysm Repair. Association of Academic Physiatrists Annual Meeting. March 2020. Orlando, FL.
16. **Telhan, R.**, DeSelm, T., Polk, C., Steadman, E., Chuang, A., Rahangdale, L., Weil, Amy., Dent, G. Narrative Integrity Testing: Mitigating the Limitations of the Virtual Interview. Learning Communities Institute (Submitted).

#### NEWSLETTER ARTICLES

##### *PM&R Departmental Newsletter:*

1. **Harris**, Wheel of Wellness Interview of Ana Felix – 8/2/2019.
2. **Thompson**, Wheel of Wellness Interview of Nevin Vijayaraghavan – 8/16/2019.
3. **Thompson**, Wheel of Wellness Interview of Steve Punzell – 8/30/2019.
4. **Thompson**, Words About Wellness article entitled “Book Review: Thinking Fast and Slow” – 8/30/2019
5. **Faurot**, Wheel of Wellness Interview of Susan Gisler – 9/27/2019
6. **Gaylord**, PM&R/Program on Integrative Medicine Researchers Join \$945 Million NIH HEAL Initiative to Combat Opioid Epidemic. (Announcement about Department’s HEAL funding)
7. **Alexander**, Wheel of Wellness Interview of Cristy Page – 10/11/2019
8. **Harris**, Wheel of Wellness Interview of Margaret Drickamer – 10/25/2019
9. **Gaylord & Faurot**. Announcement about recent publication in JAMA Internal Medicine regarding multiple-institution systematic review and meta-analysis of Mind-body therapies for Opioid Treated Pain (Garland et al.) – 11/22/2019
10. **Thompson**, Wheel of Wellness Interview of **Elizabeth Barton** – 11/22/2019
11. **Harris**, Words about Wellness article entitled “Sleep: The Most Important Aspect of Wellness of All” – 12/6/2019
12. **Harris**, Words about Wellness article entitled “Wellness Myths” – 12/20/2019
13. **Faurot**, Wheel of Wellness Interview of Gregory Franklin – 1/10/2020
14. **Faurot**, Words about Wellness article entitled “APHA Wellness Tips” – 1/10/2020
15. **Gaylord**, Words about Wellness article entitled “Altered Traits” – 2/7/2020
16. **Alexander**, Words about Wellness article entitled “Wash Your Hands” – 3/6/2020
17. **Thompson**, Words about Wellness article entitled “COVID-19” – 3/20/2020
18. **Thompson**, Wheel of Wellness Interview of **Peter Duquette** – 3/20/2020
19. **Harris**, Wheel of Wellness Interview of Blaise Morrison – 4/3/2020
20. **Faurot**, Wheel of Wellness Interview of **Kimberly Rauch** – 5/15/2020
21. **Harris**, Wheel of Wellness Interview of Christina Del Riego – 5/29/2020
22. **Harris**, Words about Wellness article entitled “Safety Net Resources” – 5/29/2020
23. **Telhan**, Diversity, Equity, and Inclusion message – 6/12/2020

**Grants, Contracts & Clinical Trials****FUNDED**

<b>1UG3AT010621-01 (UH3 pending)</b> NCCIH/NIH	Morone, PI; <b>Gaylord, UNC Site PI</b> \$109,999 (direct) (Year 1 subaward – planning year)	<b>9/29/2019-08/31/2020</b>
<b>Title:</b> Group-based mindfulness for patients with chronic low back pain in the primary care setting. <b>Goal:</b> To plan for an investigation of how mindfulness training, an efficacious non-pharmacological treatment for low back pain, can be integrated into routine primary care, and the impact of this integration on key outcomes.		
<b>Faculty:</b> <b>Gaylord:</b> Site PI (10% effort) <b>Faurot:</b> Co-I (10% effort)		
<b>4R33MH110027-03</b> National Institute of Mental Health	Dichter (PI) \$611,884	<b>02/01/2017-07/31/2022</b>
<b>Title:</b> Development of A Novel Transdiagnostic Intervention for Anhedonia <b>Goal:</b> The goal of this experimental therapeutics trial is to validate Behavioral Activation Treatment for Anhedonia in a transdiagnostic sample of anhedonic patients first with 7T fMRI and then with a randomized clinical trial.		
<b>Faculty:</b> <b>Gaylord:</b> Co-I (14% effort)		
<b>1R01EB024570-01</b> NCSU/NIH	Huang (PI)	<b>08/15/2018 – 08/14/2021</b>
<b>Title:</b> Error Tolerance in Wearer-Robot Systems <b>Goal:</b> The objective of this study is to investigate novel fault-tolerant mechanisms, inspired by human motor control principles, to improve the robustness and safety of powered transfemoral (TF) prostheses. We will accomplish our research objectives by pursuing three specific aims: 1) To systematically determine the effects of imposed prosthesis errors on objectively measured walking stability of amputee-prosthesis systems. 2) To systematically determine the effects of imposed prosthesis errors on perceived walking stability in amputees. 3) To demonstrate the capacity of robust lower limb prosthesis control by mimicking human motor control mechanisms.		
<b>Faculty:</b> <b>Filer:</b> Co-I (9% effort)		
<b>R00HD091375</b> NIH/NICHD	Cassidy (PI)	
<b>Title:</b> Brain Network Connectivity Measures In Early Stroke Rehabilitation <b>Goal:</b> This project will use multi-modal neuroimaging (EEG and resting-state fMRI) to derive biomarkers of motor recovery in individuals early post-stroke admitted to an inpatient rehabilitation facility.		
<b>Faculty:</b> <b>Baratta:</b> Consultant (no salary support)		
<b>NC TraCS # 2KR1221904</b>	Hodges (PI)	<b>12/16/2019-12/15/2020</b>
<b>Title:</b> “Intervention mapping for a novel obesity prevention trial during infancy” Grant # 2KR1221904 <b>Goal:</b> To plan for a future R01 aimed towards improving feeding interactions and nutrition for all infants, this		

TraCS grant will learn from focus groups of Black and Latinx parents about: 1) their experiences and concerns about feeding their infants and obesity risk; 2) their knowledge of and interest in learning about responsive feeding, and 3) their thoughts about proposed intervention components, including a new focus on parental mindfulness in feeding.
<b>Faculty:</b> <b>Gaylord:</b> Co-I (in kind)

<b>NC TraCS # 2KR1151907</b>	Roth (PI)	<b>12/16/2019-12/15/2020</b>
<b>Title:</b> “Feasibility of Integrative Medical Group Visits in an Outpatient Setting with a High Burden of Patients with Chronic Pain” Grant # 2KR1151907		
<b>Goal:</b> To plan for a future R01 aimed towards improving feeding interactions and nutrition for all infants, this TraCS grant will learn from focus groups of Black and Latinx parents about: 1) their experiences and concerns about feeding their infants and obesity risk; 2) their knowledge of and interest in learning about responsive feeding, and 3) their thoughts about proposed intervention components, including a new focus on parental mindfulness in feeding.		
<b>Faculty:</b> <b>Gaylord:</b> Co-I/Mentor (in kind) <b>Faurot:</b> Co-I <b>Karvelas:</b> Co-I <b>Alexander:</b> Co-I		

<b>NC TraCS # 2KR1151904 (NCATS)</b>	<b>Faurot (PI)</b>	<b>05/15/2019-05/14/2020</b>
<b>Title:</b> “Development of a Novel mHealth Application for Dietary Supplement Tracking--Acquiring Patient Perspectives” Grant # 2KR1151904		
<b>Goal:</b> To develop and test an mHealth application for dietary supplement tracking in three patient populations.		
<b>Faculty:</b> <b>Faurot:</b> PI (in kind) <b>Gaylord:</b> Co-I (in kind)		

<b>UNC Family Medicine Innovation Award</b>	Hill J (PI)	<b>07/01/2019-10/30/2020</b>
<b>Title:</b> “Development of a Novel mHealth Application for Dietary Supplement Tracking—Provider Perspectives”		
<b>Goal:</b> To develop and test an mHealth application for dietary supplement tracking in three patient populations.		
<b>Faculty:</b> <b>Faurot:</b> PI (in kind)		

<b>NC TraCS \$2K Stakeholder Engagement Voucher</b>	Roth (PI)	<b>05/15/2019-05/14/2020</b>
<b>Title:</b> “Engaging Stakeholders in Research on a Telephone-delivered Mindfulness Intervention for Rural, African American Families” Grant # SE1907		
<b>Goal:</b> To cultivate stakeholder engagement for our already funded NIH/National Institute on Aging parent grant (which is to develop a telephone-based delivery of a mindfulness-based intervention for rural African American informal caregivers of those with dementia) in rural Wayne and Lenoir counties, NC.		
<b>Faculty:</b> Roth: PI (in kind) <b>Gaylord:</b> Co-I (in kind)		

<b>R21 NIH</b>	<b>Gaylord (PI)</b>	<b>02/01/2019-1/31/2021</b>
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<p><b>Title:</b> Easing the Burden of Dementia Caregiving: A Telephone-delivered Mindfulness Intervention for Rural, African American Families</p> <p><b>Goal:</b> The project's specific aims are: 1) to determine the feasibility and acceptability of a telephone-delivered mindfulness training intervention (TMT) in decreasing caregiver burden among rural, African American informal caregiving teams of people with dementia; 2) to explore effects of the training on relevant secondary outcomes for both caregiving team members, including emotional regulation; tolerance of uncertainty; emotional and physical health; family conflict within the informal caregiving team; and self-efficacy; 3) to explore comfort with and willingness to adopt technologies (e.g. telephone-based, web-based) to access mindfulness practices and existing caregiving educational resources.</p>
<p><b>Faculty:</b>  <b>Gaylord:</b> Co-I (15% effort)  <b>Faurot:</b> Co-I (10% effort)</p>

<b>UNC PM&amp;R Innovation Award</b>	<b>Gaylord (PI)</b> \$30,000	<b>08/2018-12/2019</b>
<p><b>Title:</b> Whole Health at the Center for Rehabilitation Care: An Integrative Health Model</p> <p><b>Goal:</b> To test the feasibility and acceptability of the Personal Health Inventory and Whole Health model approach at the UNC Center for Rehabilitation Care, including piloting the implementation health self-efficacy groups, assessing utilization and interest in CAM modalities among adult PM&amp;R patients, and developing patient and provider education in CAM and integrative health modalities.</p>		
<p><b>Faculty:</b>  <b>Gaylord:</b> PI  <b>Faurot:</b> Co-I  <b>Thompson:</b> Co-I</p>		

<b>PR141560</b> Department of Defense, Henry Jackson Foundation for the Advancement of Military Medicine	Kenney (PI)	<b>04/01/2016-03/31/2021</b>
<p><b>Title:</b> Targeted Alteration of Dietary Omega-3 and Omega-6 Fatty Acids for the Treatment of Post-Traumatic Headache</p> <p><b>Goal:</b> A two-arm multi-site RCT designed to examine the impact of n-3 and n-6 manipulation in a whole foods diet for soldiers with post-traumatic headache.</p>		
<p><b>Faculty:</b>  <b>Faurot:</b> Site PI (23% effort)</p>		

<b>1 R34 AT008822-01A1</b> NCCIH	<b>Gaylord (PI)</b> \$150,677	<b>09/01/2016- 12/31/2020</b> [No-cost extension]
<p><b>Title:</b> Making Friends with Yourself: A Depression Prevention Program for Adolescents</p> <p><b>Goal:</b> The primary goal of this research project is to refine and test the feasibility and acceptability of an innovative depression-prevention program, "Making Friends with Yourself" (a developmentally appropriate adaptation for adolescents, based on the adult Mindful Self-Compassion program), in comparison to an attention-control program, "Taking Care of Yourself" (involving education and discussion on healthy lifestyles), with adolescents who are experiencing subsyndromal depression.</p>		
<p><b>Faculty:</b>  <b>Gaylord:</b> PI (15% effort)  <b>Faurot:</b> Co-I (9% effort)</p>		



<b>T32-AT003378</b> NIH	( <b>Gaylord/Mann</b> (PIs)) \$464,764	<b>07/01/2017-06/30/2022</b>
<b>Title:</b> Research Training Fellowship in Complementary and Integrative Healthcare		
<b>Goal:</b> The goal of this T-32 Research Fellowship is to cultivate well-trained, independent researchers for leadership in investigating efficacy, effectiveness, safety and mechanisms of action of complementary therapies and integrative health-care approaches.		
<b>Faculty:</b> <b>Gaylord:</b> Lead PI (No Salary Support)		

<b>1R43M3MD012223-01</b> NIH/National Center for Complementary & Integrative Health	McNasby (PI) / <b>Gaylord</b> (Subaward-PI)	<b>07/30/2017 – 10/31/2020</b>
<b>Title:</b> Artificially Intelligent Diabetes Assistant (AIDA) for African Americans with Type II Diabetes		
<b>Goal:</b> To use community-engage research strategies to develop an artificially intelligent diabetes assistant to promote diabetes self-management among African American adults with type II diabetes.		
<b>Faculty:</b> <b>Gaylord:</b> PI for Subaward		

<b>R21/R33</b> NIH/National Institute of Mental Health	Penn (PI)	<b>04/04/2014 - 03/31/2020</b>
<b>Title:</b> Targeting Stress Reactivity in Schizophrenia: Integrative Coping Awareness Therapy		
<b>Goal:</b> To develop/ test mindfulness & positive psych intervention for stress reactivity in early schizophrenia.		
<b>Faculty:</b> <b>Gaylord:</b> Co-I (8% effort)		

<b>T32-AT003378</b> NIH	<b>Gaylord/Mann</b> (PIs) \$464,764	<b>07/01/2017-06/30/2022</b>
<b>Title:</b> Research Training Fellowship in Complementary and Integrative Healthcare		
<b>Goal:</b> The goal of this T-32 Research Fellowship is to cultivate well-trained, independent researchers for leadership in investigating efficacy, effectiveness, safety and mechanisms of action of complementary therapies and integrative health-care approaches.		
<b>Faculty:</b> <b>Gaylord:</b> Lead PI (No Salary Support)		

**CLINICAL TRIALS**

<b>AbbVie, Inc</b>	Kaufer (PI) \$9,651.03	<b>01/04/2016-07/01/2019</b>
<b>Title:</b> A Phase 2b, double-blind, randomized, placebo-controlled study of RVT-101 in subjects with dementia with Lewy Bodies (DLB)		
<b>Goal:</b> To assess the effects of RVT-101 versus placebo on global function as measured by the Clinician's Interview-Based Impression of Change Plus Caregiver Input (CIBIC+) after 24 weeks of treatment		
<b>Faculty:</b> <b>Harris:</b> Technical Staff (No Salary Support)		

**SUBMITTED**

<b>1UH3AT010621-01</b> NCCIH/NIH	Morone (PI), <b>Gaylord</b> (UNC Site PI) \$1,635,451 (direct and indirect)	<b>9/1/2020-09/01/2024</b>
<p><b>Title:</b> Group-based mindfulness for patients with chronic low back pain in the primary care setting.  <b>Goal:</b> To integrate mindfulness training, an efficacious non-pharmacological treatment for low back pain, into routine primary care, and to evaluate the impact of this integration on key outcomes.</p>		
<p><b>Faculty:</b>  <b>Gaylord:</b> Site PI (25% effort Year 1, 20% effort Years 2-4 )  <b>Faurot:</b> Co-I (25% effort Year 1, 20% effort Years 2-4 )</p>		

<b>DoD</b>	Hernandez (PI)	<b>Submitted June 16, 2020</b>
<p><b>Title:</b> Evaluation of Mindfulness as a Stress Management and Resilience Building Intervention for Healthcare Workers – S.M.A.R.T. Care  <b>Goal:</b> The proposed research project addresses topics encouraged under the FY20 Peer Reviewed Medical Research Program (PRMRP) Expansion Award Topic Area of Emerging Viral Diseases and focuses on direct and indirect impacts of COVID-19 on behavioral and mental health issues and development and testing of potential countermeasures to mitigate negative impacts and maximize service-member resilience to stressor related to pandemics and disasters. The project builds on previous work on distance-based mindfulness training and an app.-based training program (Heart Rate Variability (HRV) Biofeedback-Assisted Resilience Training -BART), that integrated a mobile health app (mHealth), a wearable heart rate monitor, and a personalized medicine intervention (HRV biofeedback). Specifically, the proposed project will further develop the BART platform to adapt and evaluate two forms of online mindfulness as a Stress Management and Resilience Building Intervention for Healthcare Workers (S.M.A.R.T. CARE) at military and civilian medical centers during the current “COVID crisis”.</p>		
<p><b>Faculty:</b>  <b>Gaylord:</b> Co-I (20% for first two years and 18% for third year)</p>		

<b>R34</b> <b>NIH NCCIH</b>	Kelley (PI)	<b>Submitted October 2019</b>
<p><b>Title:</b> Adaptation of Mindfulness to Treat Moral Injury in Veterans  <b>Goal:</b> To develop and test the feasibility of internet-based mindfulness program adapted to treat moral injury in veterans.</p>		
<p><b>Faculty:</b>  <b>Gaylord:</b> Co-I (8.3 percent for each of three years)</p>		

<b>R01</b> <b>NIH NINR</b>	Giscombe (Lead PI); <b>Gaylord</b> (PI) \$498,263 (year 1, direct)	<b>Resubmitted November 4, 2019</b>
<p><b>Title:</b> The HARMONY Study – A culturally relevant, randomized controlled stress management intervention to reduce cardiometabolic risk in African American women.  <b>Goal:</b> To test a culturally tailored mindfulness-based diet and exercise intervention vs. a conventional diet and exercise intervention for African American Women with cardiometabolic risk.</p>		
<p><b>Faculty:</b>  <b>Gaylord:</b> PI (20% effort in year one)  <b>Faurot:</b> Co-I (10% effort in year one)</p>		

<b>1R21HD095139-01</b> <b>NCSU/NIH</b>	Kamper (PI)	<b>04/01/2018 – 03/31/2020</b>
<p><b>Title:</b> Improving Dexterity in Children with Cerebral Palsy by Training Finger Individualization</p> <p><b>Goal:</b> The goal of this project is to examine the efficacy of a novel training paradigm to improve fine control of the impaired hand in children and young adults with cerebral palsy. To accomplish this we propose two specific aims: 1) Explore the neural correlates of diminished finger individuation and its rehabilitation; 2) Use intensive training of finger individuation to improve manual dexterity</p>		
<p><b>Faculty:</b> <b>Alexander:</b> Co-I (6% effort)</p>		
<b>R01</b> <b>BME/NCSU</b>	Huang (PI)	<b>03/01/2020-2/28/2025</b>
<p><b>Title:</b> Modulation of a Powered Knee Prosthesis using a novel Reinforcement Learning-based tuning system and Visual Biofeedback</p> <p><b>Goal:</b> The objective of this study is to implement a novel machine learning strategy (Reinforcement Learning) to tune a powered-knee prosthesis for subjects with a unilateral above knee amputation. Effects on gait metrics (biomechanics, symmetry, perceived effort) will be measured for prosthetic and intact limbs. Subsequently, a visual biofeedback system will be employed to train subjects in the use of the device, with the goal of additional improvement in gait biomechanics.</p>		
<p><b>Faculty:</b> <b>Filer:</b> Co-I (10% Effort)</p>		
<b>NIH R01</b> <b>BME/NCSU</b>	Sharma (PI)	<b>03/01/2021-2/28/2026</b>
<p><b>Title:</b> Person-specific FES and Exoskeleton Assistance for High Power and Fatigue Resistant Mobility in People with Paraplegia</p> <p><b>Goal:</b> This study aims to integrate functional electrical stimulation with a powered exoskeleton to facilitate sit to stand transfers and ambulation for people with paraplegia. It will employ a novel muscle ultrasound paradigm to monitor muscle fatigue and modulate FES output based on fatigue and expected intrinsic power generation using a person-specific mathematical model.</p>		
<p><b>Faculty:</b> <b>Cleveland:</b> Co-I (5% Effort) <b>Filer:</b> Co I (5% Effort)</p>		
<b>NIH UG3/UH3</b>	Asher (PI) \$458,901 (Direct) (Year 1 – Planning Year)	<b>Submitted March 15, 2019</b>
<p><b>Title:</b> Carolina Alliance to Study Acupuncture for Back Pain in Older Adults—Phase 1, Feasibility: Pragmatic RCT to test effectiveness of mindfulness training to improve pain and function in a chronic low back pain population</p>		
<p><b>Faculty:</b> <b>Faurot:</b> Co-I (Co-author of proposal) (25% effort Y1; 30% Yrs 2-3; 40% effort Yr 5)</p>		

<b>NIH NIDILRR</b>	Pantic (PI); <b>Filer</b> (Co-PI)	<b>10/01/2020-09/30/2023</b>
<p><b>Title:</b> Development: Next-Generation Public Charging Infrastructure and Cyber-Information Network for Enhanced Inclusion and Independent Living of Power Mobility Device Users</p> <p><b>Goal:</b> This project seeks to improve community mobility in users of power wheelchairs by enhancing community-based battery charging networks. Using focus group data, a charging system will be designed and integrated with a mobile application that will help these individuals plan routes in the Chapel Hill community that are informed by the current power supply and projected range of their powered mobility devices.</p>		
<p><b>Faculty:</b>  <b>Filer:</b> Co-PI (5%)  <b>Faurot:</b> Co-I (2.5%)</p>		

<b>NSF (Proposal 2014498)</b> <b>BME/NCSU</b>	Zhu (PI)	
<p><b>Title:</b> A personalized, community-based rehabilitation system to improve daily functions of stroke survivors</p> <p><b>Goal:</b> Develop a personalized community-based rehabilitation system to improve daily functions of these stroke survivors. The system will include three essential components: a nanomaterial-enabled multifunctional wearable sensor network to monitor arm and leg functional activities; a low-power data acquisition, processing, and transmission protocol; and a smart App to set personalized training schedule, provide feedback on the training progress and movement quality, and communicate training outcomes to the users and clinicians.</p>		
<p><b>Faculty:</b>  <b>Baratta:</b> Co-I (4% Effort)</p>		

<b>NIDILRR</b>	Kamper (PI)	
<p><b>Title:</b> Rehabilitation Engineering Research Center – Assisting Stroke Survivors with Engineering Technology</p> <p><b>Goal:</b> Conduct advanced engineering research and develop innovative technologies to improve functioning for stroke survivors.</p>		
<p><b>Faculty:</b>  <b>Baratta:</b> Medical Director, Clinical Core (10% Effort)</p>		

## OTHER RESEARCH ACTIVITIES

### Alexander

Advisor on IRB – “Transition of Youth with Cerebral Palsy”

Co-Investigator on IRB – “Hand Motor Control in Individuals with Cerebral Palsy”

### Baratta

Lead Investigator & Faculty Mentor (Patel) – “Lower extremity musculoskeletal pains in ambulatory post-stroke patients” (IRB Number 19-2403)

Co-Investigator – “Online Prediction of Gait Related Trips Post-Stroke” (IRB Number 19-2068)

Faculty Mentor (Truong) – “Improving Physician Knowledge of Physiatry Related Out-of-Pocket Patient Costs at UNC”

### Cleveland

Co-Investigator – “Mental health services needs of individuals with spinal cord injury” (with Dr. Blaise Morrison) (IRB Number: 19-1338)

Co-Investigator – “Educational needs of mental health providers with an interest in providing clinical services to survivors of spinal cord injury” (with Dr. Blaise Morrison) (IRB Number: 19-0990)

### Duquette

Co-Investigator – “Post Concussive Symptoms in Children with Mild Traumatic Brain Injury (mTBI): A Pilot Study

(IRB Number: 19-2226)

Faurot

Research on Statistical Analysis on the Association between Nutritional Factors and Key Health Outcomes  
(funded by a gift to the department)

Systematic Review: Mind-body Interventions for Opioid-treated Pain (with Eric Garland and team)

Systematic Review: Interventions for Cancer-related Cognitive Impairment (with Zev Nakamura, Aaron Piepmeier, Jeffrey Scott Weffel, and Gilson Honvoh)

Research on Brief Mindfulness Intervention for Chronic Pain, with Carrie Brintz (PI on TraCs \$2K; Faurot, Co-I).

Filer

Independent Research Monitor – “A Modular Multi-DOF Prosthetic Wrist and Low-Level Autonomous Control for Ease-of-Use”

Gaylord

Co-investigator – “Interest in and Utilization of Complementary and Integrative Medicine in a Rehabilitation Population” (part of the Whole Health grant) (with Dr. Thompson) (IRB Number 18-2420)

Research on Brief Mindfulness Intervention for Chronic Pain, with Carrie Brintz (PI on TraCs \$2K; Gaylord, Co-I). Participated as mindfulness co-instructor for the intervention, for three cohorts.

Systematic Review: Mind-body Interventions for Opioid-treated Pain (with Eric Garland and team)

Research on Mindfulness and Exercise for Dept. of Exercise Physiology. Dr. Gaylord, who was mindfulness instructor/Interventionist for Gabriel Zieff, PI, for his master’s thesis research project, later collaborated with other investigators in submitting a manuscript on research findings.

Research on Mindfulness for Pre-menstrual distress disorder (PMDD) with Dr. Girdler, PI. Dr. Gaylord participated in preparing a manuscript for publication which reported on the primary outcomes of this study.

Research on Nutrition for Migraine Prevention. Dr. Gaylord participated with other team members in preparing the primary outcomes manuscript as well as other publications, including attending twice monthly research group meetings.

Data Safety Monitoring Committee, November 2018 – December 2019, Serenity Study/Mindfulness for Hypertension.

Harris

Lead investigator – “Lateralization of Cognitive Impairment in Temporal Lobe Epilepsy Using the Neuropsychological Assessment Battery (NAB) Memory Module” (IRB Number: 15-1826)

Lead investigator – "Use of the Structured Inventory of Malingered Symptomatology (SIMS) in a Neuropsychological Patient Population" (IRB Number: 19-1587)

Co-investigator – “Interest in and Utilization of Complementary and Integrative Medicine in a Rehabilitation Population” (part of the Whole Health grant) (with Dr. Thompson) (IRB Number 18-2420)

Co-Investigator – “Describing cognitive and psychological functioning in former professional American football players” (with Dr. Merz) (IRB Number: 17-2754)

Co-Investigator – “A 52-Week Open-Label Extension Study of Pimavanserin in Adult and Elderly Subjects with Neuropsychiatric Symptoms Related to Neurodegenerative Disease (with Dr. Kaufer) (external IRB)

Co-Investigator – “Advancing Research and Treatment for Frontotemporal Lobal Degeneration (ARTFL) (with Dr. Kaufer) (IRB Number: 14-2932)

Lipscomb-Hudson

Patient recruitment – Whole Health for Life Model Study

Merz

Principle Investigator – “Assessment of Aggression and Stress Reactivity Across Music Genres” (IRB Number: 19-1467)

Rauch

Patient recruitment – GPS Community Study for Adults with CP

Shuping

Patient recruitment – Nutrition for Lumbar Radiculopathy Study

Patient recruitment – Acute/Better Back Care Studies

Co-investigator – Efficacy of scratch-collapse test in dx of Carpal Tunnel Syndrome (supervising Dr. Areson)

Co-investigator – Utilization of opiates in AIR setting (with Dr. Francis). Accepted for AAP 2020.

ASSM/AANEM poster – Triceps hypertrophy as a cause of ulnar entrapment (In development, with Dr. Boyd and Tyler Washburn, MS1)

#### Telhan

Patient recruitment – Nutrition for Lumbar Radiculopathy Study

Patient recruitment – Acute/Better Back Care Studies

Virtual Pedagogy – Study Design and Implementation Phase with Kimmy Rauch and Kaila Yeste

#### Thompson

Co-investigator – Whole Health at the CRC model study (with Dr. Gaylord)

Lead investigator – “Interest in and Utilization of Complementary and Integrative Medicine in a Rehabilitation Population” (part of the Whole Health grant) (IRB Number 18-2420)

Co-Investigator – “Mental health services needs of individuals with spinal cord injury” (with Dr. Blaise Morrison) (IRB Number: 19-1338)

Co-Investigator – “Educational needs of mental health providers with an interest in providing clinical services to survivors of spinal cord injury” (with Dr. Blaise Morrison) (IRB Number: 19-0990)

Co-Investigator – “Describing cognitive and psychological functioning in former professional American football players” (with Dr. Merz) (IRB Number: 17-2754)

Co-Investigator – “Memantine for Prevention of Cognitive Decline during Adjuvant or Neoadjuvant Chemotherapy in Patients with Breast Cancer” (with Dr. Zev Nakamura – K2 grant)

## **Presentations**

### **National Presentations (Solicited)**

2020 “The Past, Present, and Future of Pediatric Telerehabilitation.” To be presented at the Pediatric Rehabilitation Community Day, American Academy of Physical Medicine and Rehabilitation Annual Assembly. San Diego, CA. 11/14/2020 (Alexander)

2019 “Diagnosis and Management of Non-Sports Related Concussion (nSRC): An Interdisciplinary Approach” Accepted as a 4-hour symposium to be given, American Congress of Rehabilitation Medicine. Chicago, IL. 11/5/2019. (Harris and Shuping)

2019 “Mindfulness for Management of Chronic Pain. Increasing Accessibility and Positive Outcomes.” Presentation at the American Public Health Associate Annual Meeting. Philadelphia, PA. 11/4/2019. (Gaylord)

2019 “Complementary and Alternative Medicine Use in Children with ADHD. Results from the 2012 and 2017 NIHS.” Presentation at the American Public Health Association Annual Meeting. Philadelphia, PA. 11/4/2019. (Gaylord)

2019 “Orthotic Devices for Neuromuscular Gait Disorders.” Presentation at American Association of Neuromuscular & Electrodiagnostic Medicine Annual Meeting. 10/18/2019. (Filer)

### **National Presentations (Invited)**

2020 “Online Mental Health Platforms.” Online lecture for the “Take Flight, Together – A Virtual Mental Health Event.” (Harris)

- 2019 “How to be Successful in Establishing a MSK practice without an ACGME accredited fellowship.” AAPM&R Conference, San Antonio, Texas. Session: Tips and Tricks to Establishing and Maintaining a Successful Clinical Practice in Musculoskeletal/Sports/Spine Medicine in the Current Healthcare Environment. (Karvelas)
- 2019 “Normal anatomy and ultrasound evaluation of the hip.” AAPM&R Conference, San Antonio, Texas. Precourse: STEP One, Ultrasound Clinical Applications of the Extremities. (Karvelas)

### **Statewide and Regional Presentations (Invited)**

#### Alexander

“Telehealth and Virtual Reality for Rehabilitation,” Mini-Workshop Lecture for the NCSU/UNC Joint Department of Biomedical Engineering. Lecture provided virtually. 5/29/2020.

#### Baratta

“Stroke Rehabilitation and Post-Acute Care,” Lecture for UNC Rex Case Management Group, Raleigh, NC. 09/26/2019.

“Stroke & Stroke Rehabilitation,” Lecture to Closed-Loop Engineering for Advanced Rehabilitation (CLEAR). Lecture provided virtually. 03/2020.

#### Cleveland

“SCI Complications,” Lecture for the September 2019 SCI Lecture Series, UNC Rehabilitation Services, Chapel Hill, NC, 09/2019.

“Break Out Session,” Lecture for the NMO Patient Information Conference, UNC Neurology, Chapel Hill, NC 09/2019.

#### Duquette

“Overview of School-Based Interventions for Students with Concussions,” Webinar for the North Carolina Department of Public Instruction (NCDPI), 08/2019.

#### Gaylord

“Managing Stress with Mind-Body Practices: Focus on Mindfulness.” Invited presentation for Project Engage, Orange County, NC Passmore Senior Center, Hillsborough, NC. 11/7/2019.

“Mindfulness for Coping with Stress, Preventing Burnout, and Developing Resilience. Annual UNC Genetics Research Retreat, Wilmington, NC. 9/12/2019.

“Introduction to Mindfulness and the OPTIMUM study”. Piedmont Health Services, Behavioral Therapists group. 02/19/2020.

“Managing Stress and Building Resilience with Mindfulness.” Department of Radiology, 12/20/2019.

“Mindfulness for Cultivating Health and Well-being”. Carolina Women’s Leadership Council. Annual Conference. 02/28/2020.

“Managing Stress and Building Resilience with Mindfulness”. University of North Carolina. UNC Office of Human Resources/EOC Communications Team 03/27/2020. (Online presentation).

“Mindfulness and Yoga for Reducing Stress and Enhancing Resilience”. Piedmont Health Services. Series. 04/2020. Online.

“Sitting Meditation with Awareness of Breathing.” Mindful UNC. 05/11/2020. Online.

#### Karvelas

“Introduction to Neuromuscular Ultrasound” UNC Neurology Lecture Series, 03/2020.

“Lower Limb Neuromuscular Ultrasound” Duke Neuromuscular Fellow Lecture Series, 06/2020.

#### Lipscomb-Hudson

“Promoting Sustainable Weight Loss: Coordinated Weight Management Across UNC Health Care.” UNC Family Medicine Grand Rounds, Chapel Hill, NC. 07/10/2019

“Weight Management in Patients with Chronic Pain,” Lecture for the October 2019 UNC Pain Medicine Division, Chapel Hill, NC. 10/1/2019.

#### Hill

“Occupational Health Update: Long Term Care Facilities”, Statewide Program for Infection Control & Epidemiology (SPICE). 10/30/2019.

“Occupational Medicine” UNC SOM Physician Assistant Studies Program. 10/31/2019.

“Work Disability”, UNC Pain Medicine. 11/19/2019.

“Can they do the job? Medical clearance and fitness-for-duty best practices”, MetLife Return to Work Summit. 12/11/2019.

Shuping

“Mild TBI in Teens and Adolescents”, Pediatric Grand Rounds, UNC Pediatrics-Renaissance. Durham, NC. 03/12/2020

**Teaching Activities**

**FORMAL SEMESTER COURSES**

Faurot

PUBH 741 – Quantitative Methods for Healthcare Professionals

PASC 736/806 – Evidence-based Medicine I & II—Fall and Spring Semesters of 2019-2020

DPET 831—Quantitative Methods for Clinical Research—Spring 2020

Gaylord

PMED 452 – Fieldwork in Alternative and Complementary Therapies – Fall and Spring Semesters of 2019-2020

PMED 452B – Science of Medicine CAM Selective – Fall and Spring Semesters of 2019-2020

PMED 450/250 – Principles and Practices of Alternative and Complementary Therapies of Fall 2019

FMED APS 401 – CAM Selective (7 blocks out of 12 each year) – Fall and Spring Semesters of 2019-2020

PMED 601 – Mindfulness and Self-Compassion for Caring Professions – Spring Semester of 2020

Harris

EDUC 763 – Biological and Developmental Basis of Behavior – Spring Semester 2020

Shuping

PMED 401 – Introduction to Physical Medicine and Rehabilitation

PMED 401 B – Science of Medicine Selective: Introduction to Physical Medicine and Rehabilitation

PMED 401 03 – Fourth Year Student Advanced Clinical Selective: Introduction to Physical Medicine and Rehabilitation

Telhan

MTEC121 – Social and Health Systems 1 and Social and Health Systems 2. Dr. Telhan holds a Secondary Appointment in UNC’s Social Medicine Department as an Assistant Professor, responsible for 14 students and teaches 12 sessions per semester, covering topics including: medical humanities, literature, bioethics, healthcare policy, and leadership.

MTEC 304 – Social and Health Systems 4 is a required course for all Application Phase medical students based at the Chapel Hill campus of the UNC School of Medicine. It is a year-long course that provides a setting in which students can reflect on and discuss aspects of the practice of medicine that they will encounter in their clinical experiences, but may not otherwise be a part of the formal curriculum in the clinical clerkships. The course includes three component content areas: (A) Clinically Relevant Basic Science, (B) Population Health, and (C) Critical Reflection, Inter-professional Education (IPE), Advanced Communication Skills and Ethics (RICE).

HSS SOCM Scholarly Selective – 3rd and 4th Year Medical Student Advanced Humanities Selectives.



**OTHER**Cleveland

“Admission Discharge,” Lunch-and-Learn lecture to Adult Inpatient Rehab Therapy Staff, UNC Rehabilitation Services, Chapel Hill, NC. 07/2019.

“SCI population and metastatic cancer,” Lunch-and-Learn lecture to UNC’s Lineberger Cancer Hospital’s Acute Care Therapists, UNC Oncology, Chapel Hill, NC. 11/14/2019.

Duquette

“Neuropsychological Assessment,” Class lecture to UNC clinical psychology doctoral students, Davie Hall, Chapel Hill, NC. 10/2019.

Filer

“Electromyography for Referring Providers” To Pain Medicine (Anesthesia) Division/Fellowship Program;, Chapel Hill, NC. 10/22/2019.

“Medical and Pharmacological Management of Traumatic Brain Injury.” To UNC Consult Liaison Psychiatry Program. Chapel Hill, NC. 02/12/2020.

“Coaching and Mentoring in Academic Medicine” To UNC Department of Physical Medicine & Rehabilitation. Chapel Hill, NC. 02/12/2020.

“Clinical Primer in Diagnostic Electromyography.” To UNC-NC State Joint Department of Biomedical Engineering, Chapel Hill, NC. 05/1/2020.

Harris

“The Neuropsychology of Epilepsy and Epilepsy Surgery” to UNC Neurology Residents, Chapel Hill, NC. 06/11/2020.

Karvelas

“Pre-course: STEP One, Ultrasound Clinical Applications of the Extremities. Days 1 and 2.” Small Group Instructor. Invited National Teaching Activity at the 2019 AAPM&R Conference, San Antonio, TX. 11/2019.

Telhan

“Professional Identify Formation,” Presentation to LKAC Advisory College and Student Affairs, UNC-CH, Chapel Hill, NC. 02/2020.

“Mentoring for the Medical Trainee,” Presentation to the LKAC Advisory College and Student Affairs, UNC-CH, Chapel Hill, NC. 03/2020.

“Medical Student Wellness in the Time of COVID,” Presentation to the LKAC Advisory College, UNC-CH, Chapel Hill, NC. 04/2020.

Thompson

“Neuropsychological Implications of Central Nervous System Infections,” UNC PM&R Neuropsychology Didactic. Chapel Hill, NC. 05/29/2020.

**Professional Service****National and Regional Organizations**AACPDM Lifespan Care Committee

Member (*Rauch*)

Academic Consortium for Integrative Medicine & Health

Member, Research Working Group (*Faurot*)

Member, Steering Committee (*Gaylord*)

Member, Research Committee (*Gaylord*)

Member, Policy Committee (*Gaylord*)

AMDA – The Society for Post-Acute and Long-Term Care Medicine

Member (*Thananopavarn*)

Member (*Zinner*)

American Academy of Clinical Neuropsychology (AACN)

Member (*Harris*)

American Academy of Physical Medicine and Rehabilitation

STEP Three Examinee Evaluator for the AAPM&R STEP Ultrasound Certificate Program, AAPM&R Conference 2019, San Antonio, TX (*Karvelas*)

American Association of Neuromuscular & Electrodiagnostic Medicine (AANEM)

Symposia Committee Member (*Filer*)

Course Director (2019; 2020), Assistive Technology for Gait Disorders (*Filer*)

Co-Course Director (2019), Neuroprosthetics (*Filer*)

American College of Occupational & Environmental Medicine

Task Group, ACOEM Guidelines for the Medical Evaluation of Law Enforcement Officers (*Hill*)

American Congress of Rehabilitation Medicine (ACRM)

Member (*Thompson*)

Task Group, Complementary and Integrative Rehabilitation Medicine (*Thompson*)

Member (*Baratta*)

Task Group, Stroke Transitions (*Baratta*)

Member (*Shuping*)

Brain Injury ISIG (*Shuping*)

American Journal of PM&R

Ad Hoc Reviewer (*Karvelas*)

Association of Academic Physiatrists (AAP)

Member, Chair's Council (*Alexander*)

Member, Education Committee (*Baratta*)

Member, Maintenance of Certification Self-Assessment Exam Committee (*Baratta*)

Member, Abstract Reviewer at the 2019 Annual Meeting (*Baratta*)

Member, National Online Residency Curriculum Committee (*Filer*)

Member, Residency and Fellowship Program Director Council (*Filer*)

Member, Rehabilitation Medicine Scientist Training Program (*Hill*)

Member, Residency and Fellowship Program Director Council (*Rauch*)

Regional Mentor (*Shuping*)

American Public Health Association

Executive Committee Program Planning Co-Chair, Treasurer, Section Councilor, Section on Integrative, Complementary, and Traditional Health Practices (*Faurot*)

Member, Sections on Food and Nutrition, Epidemiology (*Faurot*)

Member, NC Public Health Association (*Faurot*)

Member, Sections on Integrative Complementary and Traditional Health Practices; Environment; and Alcohol and Substance Abuse (*Gaylord*)

Brain Injury Advisory Council of North Carolina  
Co-Chair, Children and Youth Committee (*Duquette*)

Evidence-based Complementary and Alternative Medicine Journal  
Editorial Board (*Faurot*)

Foundation for Physical Medicine and Rehabilitation  
Member, Pediatric Advisory Committee (*Alexander*)

International Neuropsychological Society (INS)  
Member (*Harris*)

Journal of Comparative Effectiveness Research  
Ad Hoc Reviewer (*Faurot*)

NIH NCCIH Study Section  
Ad Hoc Reviewer (*Faurot*)  
Grant Review Panelist (*Gaylord*)

North Carolina Academic PM&R  
Host, Annual Conference (*Alexander*)

North Carolina Integrative Medical Society  
Member of Outreach Committee (*Gaylord*)

North Carolina Psychological Association (NCPA)  
Member (*Duquette*)

PM&R Journal  
Ad Hoc Reviewer (*Faurot*)

Sports Neuropsychology Society  
Member (*Duquette*)  
Member (*Thompson*)

SPROUT-CTSA Collaborative Telehealth Research Network  
Member for 2019-2024, Advisory Committee (*Alexander*)

### **UNC-Chapel Hill Organizations**

*Alexander*  
Chair, PM&R  
Medical Director, UNC Center for Rehabilitation Care  
Director of Pediatric Rehabilitation, UNC SOM and NC Children's Hospital  
Chair, Internal Audit and Compliance Committee, UNC Faculty Physicians  
Host and Mentor, UNC BME Students' Capstone Project, UNC/NCSU  
Member, Wellness Committee, PM&R  
Member, Dean's Advisory Committee, UNC SOM

Member, Education Leadership Committee, Academic Council, UNC SOM  
 Member, Faculty Physicians Board, UNC Hospitals  
 Member, Search Committee for Chair of Neurology, UNC SOM  
 Member, Standards 1&2 Subcommittee of the UNC School of Medicine LCME Accreditation Process, UNC SOM  
 Member, UNC Inpatient Rehabilitation Leadership Committee, UNC Hospitals  
 Member, Hillsborough Hospital Planning Committee  
 Member, Hillsborough Hospital Design Committee  
 Member, Residency Program Evaluation Committee, PM&R  
 Member, Space Committee, PM&R  
 Member, Promotions Committee, PM&R  
 Member, Diversity and Inclusion Committee, PM&R  
 Member, Spine Center Executive Committee, UNC Hospitals  
 Member, Medical Staff Executive Committee, UNC Hospitals  
 Member, Hillsborough Tower II Steering Committee, UNC Hospitals  
 Member, Spina Bifida Family Conference Planning Committee, Neurosurgery and PM&R  
 Member, North Carolina Cancer Hospital Cancer Committee, NC Hospitals

Baratta

Medical Director of Stroke Rehabilitation, PM&R  
 Member, Rehab Administrative Committee, UNC Hospitals  
 Member, Residency Program Evaluation Committee, PM&R  
 Super-User, PM&R and UNC Hospitals  
 Faculty Member, Closed-Loop Engineering for Advanced Rehabilitation (CLEAR)

Faurot

Assistant Director, Program on Integrative Medicine  
 Member, PM&R Wellness Committee  
 Member and Coordinator, PM&R Research Committee

Filer

Program Director, PM&R Residency Program  
 Facilitator, Grand Rounds, PM&R  
 Member, Clinical Competency Committee, PM&R  
 Member, Education Leadership Committee, PM&R  
 Member, Graduate Medical Education Committee, UNC Hospitals  
 Member, Peer Coaching Program, UNC Center for Faculty Excellence  
 Member, Program Evaluation Committee, PM&R  
 Member, Rehab Administrative Committee, UNC Hospitals  
 Member, PM&R Research Committee  
 Member, Neurosurgery Chair Search Committee, UNC Hospitals

Gaylord

Director, Program on Integrative Medicine  
 Director, UNC Mindfulness-Based Stress and Pain Management Program  
 Member, UNC School of Medicine Well-Being Committee  
 Co-Director/Member, PM&R Wellness Committee  
 Member and Chair, PM&R Research Committee

Harris

Member, Wellness Committee, SOM  
 Member, Rehabilitation Patient and Family Advisory Board, UNC Hospitals

Hill

Medical Director, Occupational Health, UNC Chapel Hill  
 Certifying Medical Authority, Biosurety Program, UNC Chapel Hill

Member, Emergency Threat Assessment Response Team, UNC Chapel Hill  
 Member, Clinical Occupational Exposures Subcommittee for Students, UNC Chapel Hill  
 Member, Environment, Health and Safety Leadership Team, UNC Chapel Hill  
 Member, Clinical Safety Committee, UNC Chapel Hill

Hudson

Co-Chair, Diversity and Inclusion Committee, PM&R  
 Director, Weight Loss and Lifestyle Medicine (WeLL-Me) Program, UNC Chapel Hill  
 Member, UNC Hospital Weight Management Clinical Advisory Committee  
 Member, Search Committee for OB/Gyn Chairman, UNC School of Medicine  
 Member, Total Well-Being Advisory Board, UNC Chapel Hill  
 Member, Faculty Search Committee for Pediatric Rehabilitation and Neuro-Rehabilitation positions  
 Member, Interdisciplinary Stroke Committee, UNC Hospitals  
 Member, Clinical Competency Committee, PM&R  
 Member, Program Evaluation Committee, PM&R  
 Member, Rehab Administrative Committee, UNC Hospitals  
 Member, Wellness Committee, PM&R

Ingraham

Member and Chair, Non-Interventional Spine Search Committee, Spine Center, UNC Hospitals  
 Member, Program Evaluation Committee, PM&R  
 Member, Clinical Competency Committee, PM&R  
 Member, Space Committee, PM&R

Karvelas

Member, Program Evaluation Committee, PM&R  
 Member, Non-Interventional Spine Search Committee, Spine Center, UNC Hospitals

Rauch

Associate Program Director, PM&R  
 Facilitator, Journal Club, PM&R  
 Member, Program Evaluation Committee, PM&R  
 Member, Education Leadership Committee, PM&R  
 Member, Rehab Administrative Committee, UNC Hospitals  
 Chair, Clinical Competency Committee, PM&R

Shuping

Director, Medical Student Education, PM&R  
 Medical Director, Carolina Concussion Clinic, PM&R  
 Associate Medical Director, Occupational Medicine, UNC Chapel Hill  
 Faculty Advisor, UNC SOM PM&R Interest Group, UNC Chapel Hill  
 Advisor, Medical Student Career Advisor, UNC Chapel Hill  
 PM&R Career Advisor, UNC Chapel Hill  
 Member, Clinical Competency Committee, PM&R  
 Member, Infection Control Committee, UNC Hospitals  
 Member, Program Evaluation Committee, PM&R  
 Member, Rehab Administrative Committee, UNC Hospitals  
 Member, Faculty Search Committee for Neurorehabilitation and Pediatric Rehabilitation positions, PM&R

Telhan

Advisor, Larry Keith Advisory College, UNC Office of the Dean of Student Affairs  
 Member, Advisory Board for Literature, Medicine & Culture, UNC SOM  
 Member, Admission Committee, Master's in Literature, Medicine & Culture, UNC SOM  
 Member, Course Planning and Curriculum Development Committee, Department of Social Medicine  
 Member, Interventional Access Committee, UNC Hospitals

Member, Program Evaluation Committee, PM&R  
Member, Clinical Competency Committee, PM&R  
Member, Passing the Torch, UNC Academy of Educators, UNC SOM  
Member, UNC School of Medicine Committee on Admissions  
DEI Liaison, UNC Office of Inclusive Excellence  
Member, Social Justice Curricular Task Force, UNC SOM

Than

Medical Director, Acute Inpatient Rehabilitation Center, UNC Hospitals  
Medical Director, UNC-Rex Rehabilitation and Nursing Care Center of Apex  
Member, Clinical Competency Committee, PM&R  
Member, Program Evaluation Committee, PM&R  
Member, Credentials Committee, UNC Hospitals  
Member, Utilization Committee, UNC Hospitals  
Member, Academy of Educators, UNC SOM  
Member, Rehab Administrative Committee, UNC Hospitals

Thompson

Director, Psychological Services and Neuropsychology Program, PM&R  
Co-Chair, Wellness Committee, PM&R  
Member, School of Medicine Wellbeing Committee  
Member, Program Evaluation Committee, PM&R  
Member, Concussion Conference Planning Committee, PM&R

Zinner

Medical Director, Subacute Rehab Services, Rex/UNC  
Member, Patient Progression Committee, Rex Hospital  
Member, QAPI Committee, RRNCC  
Member, Medicare Readmissions Committee, RRNCC  
Member, COVID-19 SNF Task Force, RRNCC  
Member, Epic LTC Development Committee, RRNCC

**Honors**

Alexander

“Top Doctor” in Physical Medicine and Rehabilitation, Best Doctors in America, 2019-2020.

Cleveland

“Educational Module of the Year” Recipient (Tie) for her “Spinal Cord Injury” Module, Residency Program Awards, 2019-2020.

Filer

“Top Doctor” in Physical Medicine and Rehabilitation, Best Doctors in America, 2019-2020.

Hill

“Top Doctor” in Physical Medicine and Rehabilitation, Best Doctors in America, 2019-2020.

Ingraham

“Teaching Excellence” Recipient, Residency Program Awards, 2019-2020.

Telhan

“Educational Module of the Year” Recipient (Tie) for his “Pain and Spine” Module, Residency Program Awards, 2019-2020.

**Appendix A – Departmental Teaching Summary by Faculty****Rotation Directors**Alexander

Pediatric Rehabilitation (Director)

Baratta

Inpatient Rehabilitation (Co-Director)

Neurology Stroke Fellowship PM&amp;R Rotation (Director)

Cleveland

Spinal Cord Injury (Director)

Filer

Electrodiagnostic Medicine (Co-Director)

Inpatient Rehabilitation (Co-Director)

Lipscomb-Hudson

Inpatient Rehabilitation (Co-Director)

Rauch

Inpatient Rehabilitation (Co-Director)

Outpatient Clinic Rehabilitation (Director)

Shuping

Electrodiagnostic Medicine (Co-Director)

Outpatient Clinic Rehabilitation (Director)

Telhan

Spine Clinic (Director)

Thananopavarn

Inpatient Rehabilitation (Co-Director)

Subacute Rehabilitation (Co-Director)

Zinner

APP Education (Co-Director)

Subacute Rehabilitation (Co-Director)

**Didactic Block Responsibility**Alexander

Pediatric Rehabilitation Module, 3 weeks

Baratta

Stroke Rehabilitation, 3 weeks

Professionalism/Business/Quality Improvement, 3 weeks

Filer

Intro to Rehab, 4 weeks

Bone Joint and Connective Tissue, 3 weeks

Brain Injury, 2 weeks

Workshops (Anatomy, PE, US), 7.5 weeks

Gaylor

Complementary and Alternative Medicine Module, 2 weeks

Hill

Professionalism/Business/Quality Improvement, 3 weeks

Occupational Medicine and Burn, 2 weeks

Research, 2 weeks

Ingraham

Musculoskeletal Module, 8 weeks

Lipscomb-Hudson

Stroke, 3 weeks

Neuro Rehab (MS, Parkinson's, Gillian-Barre), 3 weeks

Rauch

Orthotics, 3 weeks

Prosthetics, 3 weeks

Case Presentations and Oral Board Reviews, 2-3 sessions

Shuping

Sports Module, 3 weeks

Modalities Module, 3 weeks

Workshops (Anatomy, PE, US), 7.5 weeks

Telhan

Spine and Pain, 3 weeks

Thananopavarn

Geriatric Medicine, 3 weeks

Integrative Medicine, 2 weeks (Co-director)

Cancer and Cardiac Rehab, 2 weeks

Zinner

Importance of Pressure Relief and Proper Transfer Techniques, Ongoing to CNAs

Neuro Examination and Functional Evaluation to APPs, 1 week

Other:

Karvelas/Ingraham

Preparations and planning for taking over and reorganizing the 8-week MSK module into a monthly MSK and hands-on ultrasound module

**Lectures Given to UNC PM&R Residents**

Alexander

4/9/2020 – "Cerebral Palsy and Pediatric/Adolescent Brain Injury"

4/16/2020 – "Spina Bifida"

Baratta

12/12/2019 – "Quality and Value in Healthcare"

Barton

4/2/2020 – "Introduction to Pediatric Rehabilitation/Typical Development"

4/16/2020 – "Neuromuscular Disease"

Cleveland

1/9/2020 – "SCI, Epidemiology, and ASIA Exam"

1/16/2020 – "Non-Traumatic SCI"

2/20/2020 – "SCI Complications"

Faurot

9/5/2019 – "Introduction to Integrative Medicine"



Filer

7/11/2019 – “Introduction to Rehab – Part 1”  
 7/18/2019 – “Introduction to Rehab – Part 2”  
 7/25/2019 – “Introduction to Rehab – Part 3”  
 8/15/2019 – “Emerging Prosthetic Technologies”  
 8/22/2019 – “Upper Extremity Ultrasound Exam”  
 2/27/2020 – “Knee Anatomy and Exam”  
 5/7/2020 – “Bone Joint and Connective Tissue – Part 1”  
 5/14/2020 – “Bone Joint and Connective Tissue – Part 2”  
 5/21/2020 – “Bone Joint and Connective Tissue – Part 3”

Gaylord

8/29/2019 – “Mindfulness for Stress Management”  
 9/5/2019 – “Introduction to Integrative Medicine”

Hill

12/19/2019 – “Professionalism”  
 3/12/2020 – “Research”  
 6/11/2020 – “Occupational Medicine”

Ingraham

9/26/2019 – “Cervical Spine Anatomy”  
 10/24/2019 – “Thoracolumbar Spine Anatomy Exam”

Karvelas

5/28/2020 – “Lower Extremity Nerves Ultrasound Workshop”

Lipscomb-Hudson

11/7/2019 – “Neurorehabilitation”

Rauch

8/1/2019 – “Introduction to Prosthetics”  
 8/15/2019 – “Common Complications of the Amputee”  
 9/12/2019 – Journal Club Moderator for “Is It Safe to Inject Corticosteroids Into the Glenohumeral Joint After Arthroscopic Rotator Cuff Repair?”  
 10/9/2019 – Journal Club Moderator for “Physical Fitness Training in Patients with Subacute Stroke (PHYS-STROKE): multicentre, randomised controlled, endpoint blinded trial”  
 10/31/2019 – Oral Board Review  
 11/21/2019 – Journal Club Moderator for “Trial of SAGE-217 in Patients with Major Depressive Disorder”  
 12/11/2019 – Journal Club Moderator for “Dexamethasone versus Hyaluronidase as an Adjuvant to Local Anesthetics in the Ultrasound-guided Hydrodissection of the Median Nerve for the Treatment of Carpal Tunnel Syndrome Patients.”  
 1/15/2020 – Journal Club Moderator for “Long-term Safety and Efficacy of Closed Loop Spinal cord Stimulation to treat chronic back and leg pain”  
 1/30/2020 – Oral Board Review  
 2/12/2020 – Journal Club Moderator for “Association of Tramadol With All-Cause Mortality Among Patients With Osteoarthritis”  
 3/11/2020 – Journal Club Moderator for “Effects of Early Treatment with Zoledronic on Prevention of Bone Loss with Patients with Acute SCI”

4/8/2020 – Journal Club Moderator for “Prevalence of Sports-Related Injuries and Illnesses in Paralympic Athletes”

4/30/2020 – Oral Board Review

5/13/2020 – Journal Club Moderator for “Pharmacologic Treatment for Depression at Injury Is Associated With Fewer Clinician Visits for Persistent Symptoms After Mild Traumatic Brain Injury: A Medical Record Review Study”

6/10/2020 – Journal Club Moderator for “Daily Physical Activity and Functional Disability Incidence in Community-Dwelling Older Adults with Chronic Pain: A Prospective Cohort Study”

Shuping

1/23/2020 – “Hip Anatomy and Evaluation”

3/26/2020 – “Foot and Ankle Anatomy and Exam”

4/23/2020 – “Lower Extremity MSK Ultrasound”

Telhan

10/3/2019 – “Spine and Pain: Introduction”

10/10/2019 – “Spine Intervention Evidence”

10/17/2019 – “Spine Physical Therapy” (presented with UNCH Physical Therapy)

Thananopavarn

9/12/2019 – “Acupuncture and Cardiac Rehab”

9/19/2019 – “Cancer Rehab”

Thompson

8/29/2019 – “Physician Wellness and Burnout”

3/19/2020 – “Physician Wellness and Burnout”

**Mentorship Responsibilities**

**To UNC PM&R Residents**

Barton

1 PGY-2 (Yeste\*Spring Semester)

Filer

3 PGY-1’s (Sharp, Siano, and Tompariy)

Hudson

1 PGY-4 (Franklin)

Ingraham

1 PGY-2 (Vijayaraghavan)

1 PGY-3 (Sainburg)

Karvelas

1 PGY-2 (Riden)

Rauch

1 PGY-2 (Yeste\*Fall Semester)

1 PGY-3 (Truong)

Shuping

1 PGY-3 (Patel)

Telhan

2 PGY-4’s (Boyd and Punzell)

**To Others**

Duquette

Doctoral Dissertation Research Advisor, Paige Landau, School Psychology, UNC School of Education  
Doctoral Dissertation Committee Member, Alexis Davis, School Psychology, UNC School of Education  
Doctoral Dissertation Committee Member, Tricia Combs, Human Movement Science, UNC Department of Allied Health Sciences

Faurot

Doctoral Dissertation Committee member, Henry Zhang, Epidemiology, UNC Gillings School of Global Public Health

Mentor for T32 Predoctoral Fellow, Gilson Honvoh  
Mentor for T32 Postdoctoral Fellow, Jacob Hill  
Mentor for T32 Postdoctoral Fellow, Vanessa Miller  
Co-mentor for T32 Postdoctoral Fellow, Isabel Roth  
Research Mentor for Resident Simonne Francis  
Research Mentor for Resident Greg Franklin  
Mentor for Visiting Scholar, Jinyoung Park  
Mentor for Physician Assistant students (Capstone papers)

Gaylord

Mentor for T-32 Postdoctoral Fellow Carrie Brintz  
Mentor for T-32 Postdoctoral Fellow Jessica Barnhill  
Mentor for T-32 Postdoctoral Fellow Christine Lathren  
Mentor for T-32 Postdoctoral Fellow Isabel Roth  
Program mentor/co-mentor for All six post-doctoral fellows, along with Doug Mann.  
Mentor for post-doctoral fellow Dr. Jeffrey Proulx, PhD, Oregon State University on his NIH NCCIH K99/R00 award on Mindfulness to manage diabetes in Native Americans.  
Reader for Physician Assistant Student. Jeremy Jones (Reiki capstone paper).  
Mentor for Psychiatry Resident, Madison Piotrowski, MD (Research Track – Project: Lifestyle Medicine)  
Mentor for Zachary Boggs, 2nd Year Medical Student, on Medical Student Wellness Committee