

**Faculty Education & Scholarship Summary Report**  
**July 1, 2021 – June 30, 2022**  
 Department of Physical Medicine and Rehabilitation  
 UNC School of Medicine

**Faculty**

Joshua Alexander, MD Hannah Allen, PhD JM Baratta, MD, MBA Jessica Barnhill, MD, MPH Kathryne Bartolo, MD Elizabeth Barton, MD Christine Cleveland, MD Peter Duquette, PhD, ABPP(CN) Keturah Faurot, PhD, MPH, PA William Filer, MD Susan Gaylord, PhD Mathew Harris, PhD, ABPP(CN) James Hill, MD, MPH Michael Ingraham, MD	Robert Kanser, PhD Kristopher Karvelas, MD Christine Lathren, MD, MSPH Hanna Leong, PhD Kimberly Rauch, DO Isabel Roth, DrPH, MS Lee Shuping, MD, MPT Raj Telhan, MD, MFA Paul Thananopavarn, MD Karla Thompson, PhD Theodore Yip, MD Daisy Zamora, PhD Tanya Zinner, MD
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***Bibliography***

PUBLISHED

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2. **Baratta, JM** et al. "Postacute Sequelae of COVID-19 Infection and Development of a Physiatry-Led Recovery Clinic." *American journal of physical medicine & rehabilitation* vol. 100,7 (2021): 633-634. doi:10.1097/PHM.000000000000177.
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4. Herrera, Joseph E et al. including **Baratta, JM**. "Response to letter to the editor regarding "Multi-Disciplinary collaborative consensus guidance statement on the assessment and treatment of fatigue in patients with Post-Acute sequelae of SARS-CoV-2 infection (PASC)"." *PM & R : the journal of injury, function, and rehabilitation*, 10.1002/pmrj.12719. 6 Oct. 2021, doi:10.1002/pmrj.12719
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## IN PRESS

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2. Zieff, Gabriel H; Stoner, Lee; Barnett. Frank; **Gaylord, Susan**; Battle, Sarah Kate and Hackney, Anthony C. "Aerobic Exercise, Mindfulness Meditation, and Stress-Reduction in High-Stress, College-Based Young Adults: A Pilot Study". *Journal of American College Health.* Accepted on May 6, 2022 (in press). DOI: [10.1080/07448481.2022.2076103](https://doi.org/10.1080/07448481.2022.2076103)
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## SUBMITTED

1. 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).
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? *Behavioral Medicine.* (Submitted).
3. **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).
4. Steinberg D, **Alexander J**, Braza D, Cuccurullo S, **Faurot K**, Herrera J, Sliwa J, **Thompson K**, Weiss L. Use of Best Practices to Mitigate Burnout and Promote Wellness Among Academic Psychiatry Programs in the Age of COVID. Submission to *AJPMR* in Fall 2021.
5. Kim S, Mortera M, Wen P, **Thompson K**, Lundgren K, Reed WR, Sasson N, Wright S, Vora A, Krishnan S, Joseph J, Heyn P, Chin B. The Impact of Complementary and Integrative Medicine following Traumatic Brain Injury: A Scoping Review. Submitted to *JHTR* in December 2021, under review.

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10. Tiedt, M; Kavalakatt, B; Chilcoat, A; **Barnhill, J; Roth, I**. Aligning Pre-professional Student Experiences in Integrative Group Medical Visits with Integrative Medicine Core Competencies. Submitted to Integrative Medicine Reports. IMR-2022-0052.
11. Shafer, J; **Gaylord, S; Faurot, K**; Harr, E; **Lathren, C; Roth, I**; Giscombe, K; Sheffield, K; Williams, S. Easing the Burden of Dementia Caregiving: Protocol Development for a Telephone delivered Mindfulness Intervention for Rural, African American Families. Submitted to Contemporary Clinical Trials Communications
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17. Hinson RM, Berman J, **Filer W**, Kamper D, Hu H, Huang H. Offline Evaluation Matters: Investigation of the Influence of Offline Performance on Real-time Operation of EMG-based Neural-Machine Interfaces. Submitted for publication to IEEE Transactions on Neural Systems & Rehabilitation Engineering
18. Lee IC, Liu M, Lewek MD, Hu X, **Filer W**, Huang H. Towards Safe Wearer-Prosthesis Interaction: Evaluation of Gait Stability and Human Compensation Strategy under Faults in Robotic Transfemoral Prostheses. Submitted for publication to IEEE Transactions on Neural Systems & Rehabilitation Engineering
19. Li H, Fu Q, Philips K, Faurot KR, Sun Y, Gaylord SA, Mann JD. Leukocyte inflammatory phenotype and function in migraine patients compared with matched non-migraine volunteers: A pilot study. Accepted 6/29/22 BMC Neurology.

## BOOK CHAPTERS -

1. Gaylord, S., Kado, Z. Toche, J. Integrative Medicine. In: *Reichel's Care of the Elderly* (J. Busby-Whitehead, ed.), in process for June 2022.
2. **Thananopavarn P, Zinner T, Baratta JM.** Rehabilitation in the elderly. In: *Reichel's Care of the Elderly*, in process for June 2022.
3. **Alexander J,** Pediatric Telerehabilitation. Chapter 24. In: *Telerehabilitation: Principles and Practice*, Alexander M, Hefner J. Eds. in process for Fall 2021.
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5. *Hooper SR, Duquette PJ, Pittleman C, Leong H.* Neuropsychological assessment in children and adolescents: Applications for the school psychologist. In B. Bracken, L. Theodore, & M. Bray (Eds.) *Desk Reference in School Psychology.* New York: Oxford University Press. In process for Fall 2021.
6. Kim, S., Van de Winckel, A., **Thompson, K.,** & Heyn, P. Complementary integrative medicine. In Nathan Z. Zasler, Douglas I. Katz, & Ross D. Zafonte (Eds), *Brain injury medicine: Principles and practice, Third Edition*
7. **Lathren C.** (2022) Self-Compassion in Relationships and Caregiving Contexts. In Finlay-Jones A, Bluth K, Neff KD (Eds). *Handbook on Self-Compassion.* New York: Springer. 22 pp. in press for Fall 2022.
8. **Baratta JM.** *Stroke and Guillain-Barré Syndrome.* Misdiagnosis Casebook. In process for 2023.
9. **Baratta JM,** King L, **Thompson K.** Special Populations: Care of Patients with COVID-Associated Conditions. *Chronic Illness Care: Principles and Practice, Second Edition.* In process for 2023.

## PUBLISHED ABSTRACTS

1. **Shafer J, Faurot KR,** Williams, SW, Harr E, **Roth I,** Lathren, C., **Gaylord, SA.** Feasibility and preliminary outcomes of a telephone-delivered mindfulness intervention for rural African American families caring for persons with dementia. {Poster presented at the SLAM-DUNC Conference on June 24-25, 2022 in Durham, NC.
2. Vijayaraghavan N, **Ingraham M.** Chronic Low Back Pain as an Atypical Presentation of Diffuse B-Cell Lymphoma: A Case Report. *The American Academy of Physical Medicine and Rehabilitation.* November 2021. Nashville, TN.
3. **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).
4. Vargas L, **Baratta JM,** Hu X. Distribution of M-Wave and H-Reflex in Hand Muscles Evoked Via Transcutaneous Nerve Stimulation: A Preliminary Report. 2021 Annual International Conference of the IEEE Engineering in Medicine and Biology Society. (Accepted)
5. **Thompson, K.L.,** Iaccarino, M.A., Ehlers, A., Carneiro, K., Kurz, J., Felix, A., Smith-Ryan, A.E., Defreese, J.D. The Interdisciplinary Care of Former Professional Athletes: Common Concerns, Unique Opportunities, and Coordination of Care. Symposium presented at the 2021 American Congress of rehabilitation Medicine Conference (ACRM) September 29, 2021.
6. **Thompson, K.L.,** Mortera, M.H., Lundgren, K., Chin, B.S., Wen, P., Reed, WR, Hayne, PC, Sasson, N. Complementary and Integrative Rehabilitation Health Practices for Individuals with Traumatic Brain Injury: A Scoping Review. Symposium presented at the 2021 American Congress of rehabilitation Medicine Conference (ACRM) September 29, 2021.
7. Feasibility and preliminary outcomes of a telephone-delivered mindfulness intervention for rural African American families caring for a person with dementia **Christine Lathren,** PhD, MSPH, Keturah **(Kim) R Faurot,** PhD, MPH, PA, Sharon Williams, PhD, **Isabel Roth, DrPH,** Elondra Harr, BS, Rachel Mason, Karen Sheffield-Abdullah, PhD, MSN, CNM, **Jessica Barnhill,** MD, MPH and **Susan Gaylord,** PhD. Presented by **K Faurot** 10/21/2021 at the American Public Health Association 2021 Annual Meeting and Expo.

8. Tiedt, **M**; **Barnhill, J**; Kavalakatt, B; Chilcoat, ND1, Paula Gardiner, MD, MPH2, **John Baratta, MD, MBA, Karla Thompson, PhD1, Susan Gaylord, PhD**, Keturah (**Kim**) **R Faurot, PhD, MPH, PA** and **Isabel Roth, DrPH, MS**. Piloting "nourish to flourish" – An adapted integrative medicine group visit for post-acute sequelae of SARS-CoV-2 Presented by M.Tiedt on 10/21/2021 at the American Public Health Association 2021 Annual Meeting and Expo
9. Implementing integrative medical group visits for patients with chronic pain: Findings from a pilot study. **Isabel Roth, DrPH, MS1**, Aisha Chilcoat, ND2, **Keturah Faurot, PA, PhD3, Jessica Barnhill, MD, MPH2**, Malik Tiedt2, Paula Gardiner, MD, MPH4, **Susan Gaylord, PhD2**, Jennifer Leeman, DrPH, MDIV2, **Kris Karvelas, MD5** and Vanessa Miller, PhD. Presented by A. Chilcoat on 10/21/2021 at the American Public Health Association 2021 Annual Meeting and Expo.
10. **Thayil A, Sharp M, Baratta JM**. "Donepezil Trial and Anatomic Variant for Aphemia: A Case Report." 2022 Association of Academic Physiatrists **Physiatry '22 Meeting. New Orleans, LA**.
11. **Kanser RJ**, Kretzmer TK, Soble JR, Hanks RA. Neuropsychologists' perceptions of chronic traumatic encephalopathy (CTE). Accepted to the annual meeting of the International Neuropsychological Society (2022, February).
12. **Thompson KL, Faurot K**. Health and Wellness After Brain Injury: Complementary, Integrative, and Innovative Approaches. Presented at the 2021 Brain Injury Association of North Carolina, Forging Ahead: Together Towards Tomorrow (11/04/2021).
13. Vijay,N., Barton, E., **Shuping, L**. Chemotherapy-Induced Bilateral Peroneal Mononeuropathies: A Case Report of Atypical Slimmer's Paralysis. AAPMR 11/2021
14. Kavalakatt B, **Barnhill J, Roth I, Baratta J, Gaylord S, Faurot K, Thompson K**, Gardiner P, Chilcoat A. "The Feasibility and Importance of Implementing Integrative Medical Group Visits in a COVID Recovery Clinic." **Physiatry '22 Meeting. New Orleans, LA**.
15. Elhadidy, N; **Faurot, K**; Morone, N; **Gaylord, S; Roth, I**; Gardiner, P. Capture of Dietary Supplement/Natural Product Use for Chronic Pain: Interview and Label Visualization among OPTIMUM Trial Participants. NIH HEAL Investigators Meeting. Virtual. 04/11/22
16. **Roth, I**; Kavalakatt, B; Tiedt, M; Gardiner, P; **Barnhill, J**. Engaging Patients to Adapt an Integrative Medical Group Visit for Patients with Long COVID. American Osteopathic College of Physical Medicine and Rehabilitation Mid-Year Meeting. Tampa, FL. 04/28/22.
17. Vargas L, **Baratta JM** and Hu X, "Distribution of M-Wave and H-Reflex in Hand Muscles Evoked via Transcutaneous Nerve Stimulation: A Preliminary Report," 2021 43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC), 2021, pp. 5897-5900, doi: 10.1109/EMBC46164.2021.9630300.
18. Hollingsworth E et al. (including **Duquette PJ**). Assessing Craniofacial Team Functioning During Virtual Multidisciplinary Team Meetings. American Cleft Palate-Craniofacial Association Annual Meeting. Fort Worth, TX. 3/30/2022.
19. Geib A, et al. (including **Baratta JM**). "A Qualitative Approach to Understanding Barriers to Optimal Post-Stroke Nutrition in Individuals with Stroke." UNC Undergraduate Research Symposium. April 25, 2022.
20. **Harris M.**, Haley, M., Holtgrave, V., Ball, A., & Barnett, B. *TogetherWell: Using Technology for Connecting Communities to Mental Health Education*. Symposium at American Psychological Association Annual Meeting online, 8/2021.
21. Parsley HM, Yeste KT, **Filer W**, Agha E, Barnhill J, Chilcoat A, Faurot K. Charging and Mobile Power Solutions: Perspectives of Power Mobility Device Users. American Academy of Physical Medicine & Rehabilitation Annual Meeting. Nov 2021; Nashville, TN.
22. Elhadidy N, Faurot KR, Morone NE, Gaylord S, Roth I, Gardiner P. The use of dietary supplements/natural products among patients with chronic pain and the capture of this data. International Congress on Integrative Medicine and Health. May 23- 26, 2022, Phoenix, AZ.
23. Shafer J, Faurot KR, Williams SW, Harr E, Roth I, Lathren C, Sheffield-Abdullah K, Mason R, Gaylord SA. Feasibility and preliminary outcomes of a telephone-delivered mindfulness intervention for rural African

American families caring for a person with dementia. Symposium for Learning about Alzheimer's Disease Medical Research at Duke and UNC (SLAM-DUNC). June 24-25. Durham NC.

### Grants, Contracts & Clinical Trials

\*denotes change

\*\*cannot confirm

\*\*\*funded (waiting for award) or expected funding

### FUNDED

<b>AACPDM and NIH/NICHD</b>	Cassidy (PI)	<b>03-01-2022 – 0/31/2022</b>
<b>Project Title:</b> <i>EEG in Children with Hemiplegia for Biomarker Development: The EMBARK Study</i>		
<b>Faculty:</b> <b>Alexander:</b> Co-I		
<b>*1R01MD015388-01A1</b> <b>NIH NIMHD</b>	Giscombe (contact PI); <b>Gaylord</b> (PI)	<b>07/29/2020-02/28/2025</b>
<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.		
<b>Faculty:</b> <b>Gaylord:</b> PI (20% effort in year one) <b>Faurot:</b> Co-I (10% effort in year one)		
<b>*1R34AT011038-01</b> <b>Old Dominion/NIH NCCIH</b>	Kelley (PI)	<b>09/21/2020-08/31/2023</b>
<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.		
<b>Faculty:</b> <b>Gaylord:</b> Co-I (8.3 Effort)		
<b>*1UH3AT010621-01</b> <b>NCCIH/NIH</b>	Morone (PI), <b>Gaylord</b> (UNC Site PI) \$278,123 (year 1 directs)	<b>9/01/2020-08/31/2024</b>
<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.		
<b>Faculty:</b> <b>Gaylord:</b> Site PI (20% effort) <b>Faurot:</b> Co-I (20% effort)		
<b>*Unassigned</b> <b>IPF 21-6000</b>	Elhadidy (PI)	<b>09/01/2021-08/31/2022</b>
<b>Title:</b> Diversity Supplement to Group-based mindfulness for patients with chronic low back pain in the		

primary care setting <b>Goal:</b> The goal of the scoping review is to inform the development of a dietary supplement data collection instrument for the OPTIMUM study as well as to give the candidate experience in this increasingly important methodology.
<b>Faculty:</b> <b>Faurot:</b> 5% (Co-I) <b>Gaylord:</b> 5% (Co-I) <b>Elhadidy:</b> 100% (Fellow, PI)

<b>*901FDV0017-01</b> NCSU/NIH NIDILRR	Pantic (NCSU PI); <b>Filer</b> (Co-PI) \$600,000	<b>09/01/2020-</b> <b>08/31/2023</b>
<b>Title:</b> Development: Next-Generation Public Charging Infrastructure and Cyber-Information Network for Enhanced Inclusion and Independent Living of Power Mobility Device Users		
<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.		
<b>Faculty:</b> <b>Filer:</b> Co-PI (5%) <b>Faurot:</b> Co-I (2.5%) <b>Barnhill:</b> Co-I (2.5%)		

<b>4R33MH110027-03</b> National Institute of Mental Health	Dichter (PI) \$611,884	<b>02/01/2017-</b> <b>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>5R01EB024570</b> NCSU/NIH	Huang (PI) \$1,820,198	<b>08/15/2018 – 04/30/2023</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)		

NCSU/RISF Program	Bandodkar (PI) \$31,250	<b>02/01/2022 – 01/31/2023</b>
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<p><b>Title:</b> Soft, wearable, sweat sensors for monitoring the effects of ill-fitted prosthetic sockets and risks of infection on the residual limb skin of amputees</p> <p><b>Goal:</b> In this proposal we seek to develop the first examples of soft, wearable sensors for monitoring sweat lactate and pH produced by the residual skin of amputees using prostheses to study the effect of socket fitting on sweat composition.</p>
<p><b>Faculty:</b>  <b>Filer:</b> Co-PI (No salary support)</p>

<p><b>R00HD091375</b> NIH/NICHD</p>	<p>Cassidy (PI)</p>	
<p><b>Title:</b> Brain Network Connectivity Measures In Early Stroke Rehabilitation</p> <p><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.</p>		
<p><b>Faculty:</b>  <b>Baratta:</b> Consultant (no salary support)</p>		

<p><b>5R21AG061728-02</b> NIH</p>	<p><b>Gaylord (PI)</b></p>	<p><b>02/01/2019-6/30/2022</b></p>
<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>		

<p><b>PR141560</b> Department of Defense, Henry Jackson Foundation for the Advancement of Military Medicine</p>	<p>Faurot (PI) \$849,263.97</p>	<p><b>04/01/2016-03/29/2022</b></p>
<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>		

<p><b>T32-AT003378</b> NIH</p>	<p><b>Gaylord/Mann (PIs)</b> \$464,764</p>	<p><b>07/01/2017-06/30/2022</b></p>
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<p><b>Title:</b> Research Training Fellowship in Complementary and Integrative Healthcare</p> <p><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.</p>
<p><b>Faculty:</b>  <b>Gaylord:</b> Lead PI (No Salary Support)</p>

<b>*Mayday Fund</b>	<b>Carneiro (PI)</b> \$88,000	<b>01/01/2015- 03/31/2022</b>
<p><b>Title:</b> Novel Management of Lumbar Radiculopathy-a Dietary Approach</p> <p><b>Goal:</b> This prospective, single-blind, parallel-group randomized controlled clinical trial of diagnosed and managed lumbar radiculopathy patients is designed to gather preliminary evidence to test the efficacy and safety of altering the dietary n-3 and n-6 fatty acids.</p>		
<p><b>Faculty:</b>  <b>Carneiro:</b> Lead PI (0% Effort)  <b>Faurot:</b> Project Manager (0% Effort)  <b>Gaylord:</b> Co-I (0% Effort)  <b>Johnston:</b> Clinical Research Coordinator (0% Effort)</p>		

<b>**UNC Center for Health Innovation</b>	Baratta and Cassidy (Co-PIs)	<b>7/1/2020-6/30/2021</b>
<p><b>Title:</b> Stroke Management Training and Inpatient Rehabilitation Discharge Education (STRIDE Program)</p> <p><b>Goal:</b> Our proposal introduces a unique and innovative program utilizing commercially available activity monitors, social support, and education to address the lack of structure and support often encountered immediately following hospital discharge.</p>		
<p><b>Faculty:</b>  <b>Baratta:</b> Co-PI (In-Kind)</p>		

<b>**NIH/NICHD</b> Award 1R01HD108473	Yong (PI)	<b><u>9/17/2021-9/16/2025</u></b>
<p><b>Title:</b> A personalized, community-based rehabilitation sensing system to improve daily functions of stroke survivors</p> <p><b>Goal:</b> The objective of this project is to develop a personalized community-based rehabilitation sensing system to improve daily functions of these individuals. The system will include three essential components: a nanomaterial-enabled multimodal wearable sensor network to monitor arm and leg functional activities; a low-power data acquisition, processing, and transmission protocol; and a smart phone APP to communicate training outcomes to the users and clinicians via internet and receive feedback from them.</p>		
<p><b>Faculty:</b>  <b>Baratta:</b> Co-I (4%)</p>		

<b>***R34</b> University of Connecticut Health Center/NIH, IPF 21-0254	Powell (Contact PI), Gaylord (UNC PI)	<b>04/01/2021-03/31/2024</b>
<p><b>Title:</b> Project B.R.E.A.T.H.E. (Brothers, Reclaiming, Emotional, Awareness, Tranquility, Healing &amp; Ex-istence): Disrupting Racialized Stress, Trauma, &amp; Problematic Substance Use in Young Adult Black Men</p>		

<b>Goal:</b> N/A.
<b>Faculty:</b> <b>Gaylord:</b> PI (10% Effort)

<b>*Unassigned</b> IPF 21-4756	Roth (PI) \$151,218	<b>08/01/2021-07/31/2024</b>
<p><b>Title:</b> Supplement to Group-based mindfulness for patients with chronic low back pain in the primary care setting</p> <p><b>Goal:</b> In Aim 1, Dr. Roth will be responsible for coordination of stakeholder recruitment, executing Community Advisory Board activities, and supervision of a Research Assistant. In Aim 2, Dr. Roth will be responsible for qualitative data collection and analysis.</p>		
<p><b>Faculty:</b>  <b>Roth:</b> 20% (PI)  <b>Lathren:</b> 10% (Co-I)  <b>Barnhill:</b> 10% (Co-I)</p>		

**CLINICAL TRIALS**

N/A

**PENDING**

<b>*Unassigned</b> IPF 21-6000	Faurot (PI)	<b>09/01/2021-08/31/2022</b>
<p><b>Title:</b> Diversity Supplement to Group-based mindfulness for patients with chronic low back pain in the primary care setting</p> <p><b>Goal:</b> The goal of the scoping review would be to inform the development of a dietary supplement data collection instrument for the OPTIMUM study as well as to give the candidate experience in this increasingly important methodology.</p>		
<p><b>Faculty:</b>  <b>Morone:</b> PI  <b>Gaylord:</b> Co-I  <b>Faurot:</b> Advisor</p>		

<b>*1K01AT011578-01A1</b> NIH, IPF 22-0053	Roth (PI)	<b>04/01/2022-03/31/2027</b>
<p><b>Title:</b> Scaling-Up Integrative Pain Management in Federally Qualified Health Centers</p> <p><b>Goal:</b> Dr. Roth’s long-term career goal is to become an independent investigator evaluating implementation of IPM interventions to reduce the burden of chronic pain and mitigate risks associated with opioid use, particularly in low-income communities.</p>		
<p><b>Faculty:</b>  <b>Roth:</b> PI (80% Effort)  <b>Gaylord:</b> Co-mentor (0% Effort)</p>		

<b>*Subaward</b> University of Connecticut Health Center/NIH, IPF 21-0254	Powell (Contact PI), Gaylord (UNC PI)	<b>04/01/2021-03/31/2024</b>
<b>Title:</b> Project B.R.E.A.T.H.E. (Brothers, Reclaiming, Emotional, Awareness, Tranquility, Healing & Existence): Disrupting Racialized Stress, Trauma, & Problematic Substance Use in Young Adult Black Men		
<b>Goal:</b> N/A.		
<b>Faculty:</b>		

<b>*Unassigned</b> IPF 22-0052	Gaylord (PI) \$102,484	<b>09/01/2021-08/31/2024</b>
<b>Title:</b> Supplement to Project B.R.E.A.T.H.E. (Brothers, Reclaiming, Emotional, Awareness, Tranquility, Healing & Existence): Disrupting Racialized Stress, Trauma, & Problematic Substance Use in Young Adult Black Men		
<b>Goal:</b> N/A		
<b>Faculty:</b>		

<b>*Unassigned, DUKE/NIH</b> IPF 21-2993	Peter Duquette (PI) \$384,470	<b>09/01/2021-08/31/2026</b>
<b>Title:</b> Risk Stratification of Postconcussive Symptoms in Children to Promote Health Outcomes and Academic Performance		
<b>Goal:</b> N/A		
<b>Faculty:</b>		

<b>*1R21AA030121-01</b> IPF 21-5809	Boettiger (PI) \$414,358	<b>04/01/2022-03/31/2024</b>
<b>Title:</b> Frontolimbic circuit mediation of mindfulness training effects on behavioral flexibility in emerging adults		
<b>Goal:</b> This work will provide proof of concept for an accessible and inexpensive intervention to ameliorate the impairments associated with adolescent alcohol misuse, which in turn may reduce risk for future AUD. It may also identify objective targets for use in developing novel treatments to promote flexible, goal-directed actions when faced with distracting stimuli that perpetuate alcohol misuse. This approach may substantially improve our ability to cope with the public health challenges of AUDs, a leading cause worldwide of preventable death.		
<b>Faculty:</b> <b>Gaylord:</b> 0.50 CM (Co-I)		

<b>***1R01MD017051-01</b> IPF 21-4002	Hernandez (Lead PI) and Gaylord (PI) \$1,893,123	<b>09/01/2021-08/31/2025</b>
<b>Title:</b> Digital health platform to deliver Mindfulness and as a stress management Intervention Leveraging Electronic Health Records for racial and ethnic populations during the COVID-19 pandemic (SMILE).		

Major Goals: The overall objective of this proposal is to investigate effectiveness and sustainability of our Digital Health Platform, to delineate MBSR mechanisms of active by measuring changes in psychological self-reported metrics and autonomic balance using HRV, and to examine associations between COVID-19 related stress and mental health outcomes, resilience, and HRV.

<b>R34</b>	Schuman-Oliver (Lead PI); Gaylord, Consortium PI	<b>07/01/2022-06/30/2027</b>
Title: Enhancing equity by addressing barriers to mindfulness programs for chronic pain.		
Total award amount \$ \$599,785		

	Boettiger, C (Lead PI); Gaylord (co-I)	<b>12/2022-11/2024</b>
Major Goals: This work will provide novel mechanistic insight into the utility of an accessible and inexpensive intervention to ameliorate the impairments associated with adolescent alcohol misuse, which in turn may reduce risk for future AUD.		
Total Award Amount - \$414,357		

PCORI	Maddox, B & Mazurek, M (PIs) and Gaylord (co-I)	<b>03/2023-05/2026</b>
Total Award Amount (including indirect costs): \$4058,499		
Major Goals: This study will conduct the first large-scale head-to-head comparison of the two most widely studied mental health interventions for autistic adults: cognitive-behavioral therapy (CBT) and mindfulness-based therapy (MBT)		

<b>*2R01AG056479-01A1</b> IPF 21-6058	Sturmer (PI) \$3,843,093	<b>05/01/2022-04/30/2027</b>
<b>Title:</b> Propensity scores and preventative drug use in the elderly		
<b>Goal:</b> This proposal is timely: linked data are becoming more available and the role of real-world evidence in regulatory decision making is a central discussion point. This work will directly inform clinically relevant treatment decisions, provide reliable evidence unavailable from RCTs, and improve individual and population health for older adults.		
<b>Faculty:</b>		

UNC Lineberger Comprehensive Cancer Center Pilot Grant Program	Chilcoat (PI) \$50,000	<b>07/01/2022-06/30/2023</b>
<b>Title:</b> Breast Cancer survivorship in African American women: Cultural Adaptation of an Integrative Group Medical Visit (IMGV) model		
<b>Goal:</b> This study will explore the ethno-cultural beliefs of African American breast cancer survivors, adapt an Integrative Medicine Group Visit curriculum for this population, and pilot the group.		
<b>Faculty:</b> Barnhill: Co-I (in kind) Roth: Co-I (in kind)		

Gaylord: Co-I (in kind)

<b>NOSI</b> NIH	Sheffield-Abdullah (Lead PI), <b>Gaylord</b> (co-PI)	<b>09/01/2022-8/31/2024</b>
<p><b>Title:</b> Developing and pilot testing implementation strategies for a culturally-adapted mindfulness-based stress reduction program to address stress and anxiety in Black pregnant women</p> <p><b>Goal:</b> This study will develop and test the feasibility, acceptability, and initial effectiveness of implementation strategies for a culturally-adapted mindfulness-based stress reduction (CA-MBSR) program aimed at improving stress and anxiety in Black pregnant women and their associated adverse birth outcome risk.</p>		
<p><b>Faculty:</b>  <b>Gaylord:</b> Co-PI (15% effort)  <b>Faurot:</b> Co-I (10% effort)  <b>Roth:</b> Co-I (5% effort)</p>		

<b>NOSI</b> NIH	Sheffield-Abdullah (Lead PI), <b>Gaylord</b> (co-PI)	<b>09/01/2022-8/31/2024</b>
<p><b>Title:</b> Developing and pilot testing implementation strategies for a culturally-adapted mindfulness-based stress reduction program to address stress and anxiety in Black pregnant women</p> <p><b>Goal:</b> This study will develop and test the feasibility, acceptability, and initial effectiveness of implementation strategies for a culturally-adapted mindfulness-based stress reduction (CA-MBSR) program aimed at improving stress and anxiety in Black pregnant women and their associated adverse birth outcome risk.</p>		
<p><b>Faculty:</b>  <b>Gaylord:</b> Co-PI (15% effort)  <b>Faurot:</b> Co-I (10% effort)  <b>Roth:</b> Co-I (5% effort)</p>		

R01HD110519 NCSU/NIH	Huang (PI) \$3,635,590	<b>09/2022 – 08/2027</b>
<p><b>Title:</b> Toward Restoration of Normative Postural Control and Stability using Neural Control of Powered Prosthetic Ankles</p> <p><b>Goal:</b> The objective of this study is to investigate the effects of training to use a direct electromyography-controlled powered prosthesis ankle on the transtibial amputees' (Aim 1) balance and postural stability, (Aim 2) neuromuscular coordination mechanisms, and (Aim 3) cognitive processes (embodiment and cognitive load), compared to their prescribed passive devices.</p>		
<p><b>Faculty:</b>  <b>Filer:</b> Co-I (16% effort)</p>		

DOD	Bandodkar (PI) \$1,999,975	<b>01/01/2023 – 12/31/2026</b>
<p><b>Title:</b> Epidermal Sensors for Wireless and Enhanced Amputee skin Tracking (E-SWEAT)</p> <p><b>Goal:</b> We seek to develop Epidermal Sensors for Wireless and Enhanced Amputee skin Tracking (E-SWEAT), a new class of wearable sensors for simultaneous monitoring of lactate, pH, and sweat rate (S.R.) in the</p>		

sweat produced by the residual limb of amputees. The goal is to study the correlation between sweat biomarker concentrations and the skin health of amputees and investigate if the results obtained by E-SWEAT can be used to produce skin assessment guidelines that will aid prosthetists in identifying ill-fitted sockets and potentially assist dermatologists in the early detection of pressure ulcers (PUs)		
<b>Faculty:</b> <b>Filer:</b> Co-I (10% effort)		
NIH NIDILRR NCSU	Huang (PI) \$2,500,000	<b>04/2023 – 03/2028</b>
<b>Title:</b> Promoting Versatility, Efficiency, and Prosthesis Embodiment in Individuals with Limb Loss via Bionic Prostheses <b>Goal:</b> The overarching goal of our Bionic Research Core (BRC) is to develop and translate breakthrough technologies in prostheses (including both upper limb and lower limb prostheses) in order to improve the quality of life for individuals with major limb amputations.		
<b>Faculty:</b> <b>Filer:</b> Co-I (10% effort)		
NIH R01 NCSU	Sharma (PI)	<b>04/2023 – 03/2028</b>
<b>Title:</b> Person-specific FES and Exoskeleton Assistance for High Power and Fatigue Resistant Mobility in People with Paraplegia <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		
<b>Faculty:</b> <b>Filer:</b> Co-I (5% effort) <b>Cleveland:</b> Co-I (5% effort)		

**OTHER RESEARCH ACTIVITIES –****Alexander**

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

Co-Investigator on IRB - “Targeted Therapy for Finger Individuation in Children with Cerebral Palsy”

Co-Investigator - EEG in Children with Hemiplegia for Biomarker Development: The EMBARK Study (IRB Number: 21-2301)

**Baratta**

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

Co-Investigator – “Achieving Real World Measurement and Biofeedback of Gait Propulsion” (IRB Number 20-3017)

Faculty Mentor (Riden) – Stroke Rehabilitation Education Express Workout QI Project

Faculty Mentor (Vijay) – Survey of Admission and Consult Processes at Academic PM&amp;R Departments Nationwide

**Barton**

Lead Investigator- “Cerebral Palsy Research Network (CPRN) Patient Registry: An infrastructure to capture patient/caregiver outcomes over the long-term” (IRB Number 21-1709)

**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 - “The Assessing & Tracking Tactical (ATTAC) Forces Initiative Project 3 Testing Health & Resilience in Veterans (THRIVE)” (IRB Number: 20-3715)

Co-Investigator - “Understanding Mental Health Stigma and Readiness to Engage in Psychotherapeutic Rehabilitation Post-Concussion” (IRB Number: 20-3457)

Co-Investigator - “Long-Term Neurodevelopmental Outcomes Following Surgery for Craniosynostosis in a Regional Population” (IRB Number: 19-1741)

Co-Investigator – “Post Concussive Symptoms in Children with Mild Traumatic Brain Injury (mTBI): A Pilot Study (IRB Number: 19-2226)

Investigator – “A precision head motion measurement tool applied and integrated with neurocognition in sport” (IRB Number: 20-0185)

Co-Investigator – “ATTAC Forces Initiative Project 2: Special Operations Forces Holistic Evaluation of Readiness in Operators (SOF-HERO)” (IRB Number 20-0899)

Consultant – “A Phase 1/2, Multicenter, Open-label, Single-dose, Dose Ranging Study to Assess the Safety and Tolerability of SB-913, a rAAV2/6-based Gene Transfer in Subjects with Mucopolysaccharidosis II (MPS II) (IRB Number 20-81000)

Co-Investigator – “Neurologic Function across the Lifespan: A Prospective, LONGitudinal, and Translational Study for Former National Football League (NFL-LONG) (IRB Number 19-1065)

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).

Research on understanding frailty transitions; updating control for frailty models with ICD-10-CM codes and medication mechanisms (with the Pharmacoepidemiology Medicare and Propensity Scores in the elderly research groups in the Department of Epidemiology, UNC School of Public Health).

Nutrition research—Dr. Faurot leads the data analysis and manuscript preparation teams for the Nutrition for Migraine Prevention study and leads the data analysis for the Nutrition for Lumbar Radiculopathy study and the Nutrition for Post-traumatic Headache study. Dr. Faurot and Dr. Zamora are preparing three new nutrition study proposals to be submitted to NIH (NIAMS, NCCIH, NINDS) in 2022.

Participation in research on integrative group medical visits for chronic pain and long COVID with Isabel Roth and Jessica Barnhill.

Research on the prevalence of dietary supplement and natural product use among patients with chronic pain (advising Nandie Elhadidy, post-bac).

Research on the associations between dietary supplement use and serum metabolites (and microbiome) in the Hispanic Community Health Study/Study of Latinos with Heather Greenlee, ND, PhD and Robert Kaplan, PhD, University of Washington

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 – “Use of Color Trails Test and D-KEFS Design Fluency as Better Predictors of Cognitive Functioning in Native English Speakers with Lower Education” (IRB Pending)  
 Lead investigator – “Lateralization of Cognitive Impairment in Temporal Lobe Epilepsy Using the Neuropsychological Assessment Battery (NAB) Memory Module” (IRB Number: 15-1826)

#### Rauch

#### Roth

Co-Investigator --- Mindful Coping and Communication in Caregiving (with Dr. Gaylord)  
 Co-Investigator ---“OPTIMUM” Group-based mindfulness for patients with chronic low back pain in the primary care setting (with Drs. Gaylord & Faurot)  
 PI---OPTIMUM Process Evaluation (with Dr. Gaylord)  
 Co-PI---Nourish to Flourish: Integrative Medical Group Visits for Patients with Long-COVID (with Dr. Barnhill)  
 Systematic Review of Implementation Strategies for Group Medical Visits for Patients with Chronic Pain (PI)

#### Karvelas

Co-investigator- Educational intervention of cadaver workshop for ultrasound guided interventions on resident procedural confidence with Dr. Sharp

#### Shuping

Mast Cell Activation Syndrome Work Group - with immunology, GI, cardiology – in process

#### Telhan

Patient recruitment – Nutrition for Lumbar Radiculopathy Study  
 Patient recruitment – Acute/Better Back Care Studies

#### Thompson

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)

Zamora

## NIH grant proposals in progress:

- NIAMS R34 grant proposal: diet for chronic low back pain RCT (Lead PI, Faurot co-PI, submitted 3/2022)
- NINDS R01 grant proposal in collaboration with NC State College of Veterinary Medicine: using an intergenerational model of diet-induced chronic inflammatory pain to examine biochemical effects of H3L6 diet (co-PI)
- NCCIH grant proposal to develop new diet/supplement intervention for headache (PI, with Faurot)

## Nutrition for Lumbosacral Radiculopathy Pilot RCT:

- Received funding for mass spec analysis of oxidized lipids
- Longitudinal statistical analysis of main endpoints
- Abstract submitted to the International Assoc. for the Study of Pain 2022 Conference in Canada (first author)

## Nutrition for Migraine RCT:

- Abstract submitted to the American Society of Nutrition 2022 online conference (senior author)
- Abstract submitted to the International Assoc. for the Study of Pain 2022 Conference in Canada (senior author)
- Manuscript on whether circulating fatty acids are causal mediators of diet-induced headache reduction (first author, in progress)
- Manuscript on secondary endpoints (senior author, in progress)

## Other Research:

- Manuscript on association of blood fatty acids and tissue fatty acids in autopsy samples (first author; in progress)

***Presentations*****International Presentations****National Presentations (Completed)**

2022 Evidence Based Practices for Recruiting Diverse Applicants to PM&R Residency 5/24/2022 (AAP, New Orleans, LA) (Filer)

2022 “An Overview of Post-COVID Conditions.” UNC Long COVID Symposium: Recovery and Rehabilitation Using a Multidisciplinary Approach. May 13, 2022 (Baratta)

2022 UNC Long COVID Symposium “Nourish to Flourish: Integrative Medical Group Visits for Patients with Long COVID” 5/13/22, (Roth & Barnhill)

2022 Panelist for Sisters in Public Health Webinar “Becoming a Public Health Professional, 4/9/22. (Roth)

2022 Panelist for New York State Long COVID Symposium sponsored by NY State Department of Health. 2/3/2022. (Baratta)

2022 “Integrative Medicine Group Visits for Chronic Pain: Research and Clinical Implementation” University of California at San Francisco, Osher Center for Integrative Health, Invited Speaker, 1/11/2022 (Roth)

2021 Panelist for Project ECHO webinar “Overview of PASC, ME/CFS, OPIFI.” 1/13/2022. (Baratta)

2021 “General Approach to Long COVID Care for Primary Care Providers,” ECHO Institute Long Covid & Fatiguing Illness Recovery Program. 1/6/2022. (Baratta)

2021 “Long COVID Syndrome and Importance of Physiatry-Led Recovery Programs”, American Academy of Physical Medicine & Rehabilitation Annual Assembly. Session Directory and Lecturer. 11/12/2021. (Baratta)

2021 “Update on Long COVID Syndrome.” National Courts and Sciences Institute virtual presentation. 11/5/2021. (Baratta)

- 2021 "COVID Recovery Clinic: An Integrated, Multidisciplinary Approach to Care", American Congress of Rehabilitation Medicine Annual Meeting. 9/28/2021. (Baratta)
- 2021 "National Grand Rounds: PASC Collaborative Fatigue Guidance Statement." AAPM&R Virtual Presentation. 9/1/2021. (Baratta)
- 2021 "Long COVID Syndrome and Implications for the Courts." National Courts and Sciences Institute virtual presentation. 8/13/2021. (Baratta)
- 2021 "Stroke Rehabilitation." UNC Introduction to PM&R Virtual Lecture Series. 8/16/2021. (Baratta)

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

- 2022 "COVID-19 Recovery" virtual and telephone town hall sponsored by the NC Department of Health and Human Services. <https://twitter.com/ncdhhs/status/1532119633246838784>. June 1, 2022. (Baratta)
- 2022 "Diagnosis and Management of Long COVID" SOVAH Health CME Programs. 6/2/2022. (Baratta)
- 2022 "Whole Health: Complementary and Integrate Approaches" Town of Chapel Hill Employees. January 12, 2022 (Barnhill)
- 2021 "Dysautonomia" UNC Interdisciplinary Therapy Group 6/2021 (Shuping)
- 2021 "Long COVID Town Hall" virtual town hall sponsored by the Gaston County Government Department of Health and Human Services Equity Team. <https://www.facebook.com/events/297666332199823/>. October 21, 2021. (Baratta)
- 2021 "Long COVID Chat" virtual and telephone town hall sponsored by the NC Department of Health and Human Services. <https://twitter.com/ncdhhs/status/1429954109533261831>. August 25, 2021. (Baratta)
- 2022 "Q&A with Our Neuropsychologists" panel discussion during webinar for the 2022 TBI Institute through the North Carolina Department of Public Instruction. 3/9/2022. (Duquette)

### ***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 2021  
 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 2022

##### Harris

- EDUC 763 – Biological and Developmental Basis of Behavior – Spring Semester 2021

##### Roth

- PMED 450/250 – Principles and Practices of Alternative and Complementary Therapies-- Fall 2021  
 SPCL 400 (Section 312): The Culture, Science, and Breadth of Integrative Medicine—Spring 2022

##### 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**

2021 “Carolina First Look: Program Director Panel” Virtual recruitment and mentorship event hosted by Office of Inclusive Excellence. (Filer)

2021 “Neuropsychological Assessment.” Presentation to UNC Clinical Psychology doctoral students (Duquette)

2021 “The Collaborative Effort to Develop the UNC COVID Recovery Clinic.” Presentation to the UNC Lineberger Staff Retreat. 7/15/2021. (Baratta).

2021 “PASC – Post-Acute Sequelae of SARS-CoV-2 Infection Journal Club.” Presentation to UNC Infection Prevention. 7/27/2021. (Baratta)

2021 “PASC – Post-Acute Sequelae of SARS-CoV-2 Infection Case Conference.” Panel Discussion to UNC Psychiatry. 8/27/2021. (Baratta)

2021 “PASC – Post-Acute Sequelae of SARS-CoV-2 Infection.” Presentation to UNC Campus Health. 9/1/2021. (Baratta)

2021 – “Introduction to Wellness: Foundations and Concepts”. Presentation to the UNC School of Medicine Wellness Liaison Meeting, September 28, 2021. (Gaylord)

2021 “PASC – Post-Acute Sequelae of SARS-CoV-2 Infection and the UNC COVID Recovery Clinic.” Presentation to UNC Department Heads meeting. 10/20/2021. (Baratta)

2021 “PASC – Post-Acute Sequelae of SARS-CoV-2 Infection.” Presentation to UNC Respiratory Care Symposium. 10/25/2021. (Baratta)

2021 “PASC – Post-Acute Sequelae of SARS-CoV-2 Infection.” Presentation to UNC Office of Quality Excellence All Hands meeting. 10/25/2021. (Baratta)

2021 “The Past, Present and Future of Pediatric Rehabilitation at UNC.” Grand Rounds Presentation for UNC Pediatrics. 12/02/2021 (Alexander, Barton, Yip)

2021 “Advance Care Planning and EOL Conversations.” Grand Rounds Presentation for UNC Dept PM&R. 12/08/2021 (Zinner)

2021 “Emotional/Cognitive Effects of MS, Parkinson’s, and More” Presentation for UNC PM&R Residents 6/2021. (Harris)

2021 “Dementia, Cognition, and Rehabilitation” UNC PM&R Grand Rounds. 7/2021. (Harris)

2021. “Self-Compassion: A Heartfelt Response to Stress”, presentation to UNC School of Pharmacy Faculty and Staff. 12/2021 (Lathren)

2022 “Neuropsychological Assessment” Presentation for UNC Neurology Residents. 1/7/22 (Kanser)

2022 “Neuropsychology of Epilepsy and Epilepsy Surgery” Presentation for UNC Neurology Epilepsy Fellows. 2/06/2022 (Harris)

2022 “What it means to be a SNF Medical Director” Panel discussion, Duke Geriatric Fellows. 2/10/2022 (Zinner)

2022 “Acute Change of Condition”, presentation to SNF team Rex Rehab. 03/04/2022 (Zinner)

2022 “Long COVID and the UNC COVID Recovery Clinic,” presentation the UNC Family Medicine residency program. 3/9/2022 (Baratta)

2022 “Primer on Neuropsychological Assessment”, presentation to UNC Clinical Psychology Doctoral Students. 4/6/2022 (Duquette)

2022 “Neuropsychological Assessment: An Overview for Psychiatrists”, presentation to UNC PGY-3 Psychiatry Residents. 4/20/2022 (Duquette)

2022. “Caring for Yourself While You Care For Others: A Heartfelt Response to Stress.”, presentation to Frank Porter Graham Inclusion Institute participants. 4/28/22 (Lathren)

2022 “Neuropsychology in Epilepsy with Clinical Cases” Neurology Resident Lecture Series. 6/02/2022 (Harris)

## ***Professional Service***

### **National and Regional Organizations**

American Academy of Cerebral Palsy and Developmental Medicine (AACPDMD)

Member, Lifespan Care Committee (Rauch)

Member, Adaptive Sports and Recreation Committee (Barton)

AACPDMD 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*)  
Member (*Duquette*)

American Academy of Physical Medicine and Rehabilitation

Member, Telehealth Innovation Workgroup (*Alexander*)  
Member, Long COVID QI Collaborative (*Baratta*)  
Member, (*Shuping*)  
Member, (*Zinner*)  
Member, (*Thananopavarn*)

American Association of Neuromuscular & Electrodiagnostic Medicine (AANEM)

Member (*Filer*)  
EDX SAE Committee 2022 (*Karvelas*)

American College of Occupational & Environmental Medicine

Task Group, ACOEM Guidelines for the Medical Evaluation of Law Enforcement Officers (*Hill*)  
Alternate Delegate, SEACOM (*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, Wellness Committee, Chair's Council (*Alexander*)  
Member, Education Committee (*Baratta*)  
Member, National Online Residency Curriculum Committee (*Filer*)  
Member, Residency and Fellowship Program Director Council (*Filer*)  
Member, Diversity & Community Engagement Committee (*Filer*)  
Member, Rehabilitation Medicine Scientist Training Program (*Hill*)

Member, Residency and Fellowship Program Director Council (*Rauch*)  
Regional Mentor (*Shuping*)  
Reviewer, Physiatry '22 Abstracts (*Baratta*)

American Public Health Association

Chair-Elect, Section on Integrative, Complementary, and Traditional Health Practices (*Roth*)  
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*)

American Society for Nutrition

Member, (*Faurot*)

Brain Injury Advisory Council of North Carolina

Co-Chair, Children and Youth Committee (*Duquette*)

Canadian Journal on Aging

Ad Hoc Reviewer (*Roth*)

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*)

International Society of Physical & Rehabilitation Medicine (ISPRM)

Member (*Alexander*)

Journal of Comparative Effectiveness Research

Ad Hoc Reviewer (*Faurot*)

NIH NCCIH Study Section

Ad Hoc Reviewer (*Faurot*)

Grant Review Panelist (*Gaylord*)

National Center for Case Study Teaching in Science

Ad Hoc Reviewer (*Baratta*)

National Courts and Sciences Institute

Member, Board of Directors (*Baratta*)

North Carolina Integrative Medical Society

Member of Outreach Committee (*Gaylord*)

North Carolina Psychological Association (NCPA)

Member (*Duquette*)

Member (*Allen*)

Project ECHO

Subject Matter Expert (*Baratta*)

PM&R Journal

Ad Hoc Reviewer (*Faurot*)

Ad Hoc Reviewer (*Baratta*)

Public Health Reports

Ad Hoc Reviewer (*Roth*)

Sports Neuropsychology Society

Member, Nominations and Elections Committee (*Duquette*)

Member (*Thompson*)

SPROUT-CTSA Collaborative Telehealth Research Network

Member for 2019-2024, Advisory Committee (*Alexander*)

Telehealth Innovation Workgroup, American Academy of Physical Medicine and Rehabilitation

**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

Chair, Board of Directors, UNC Orthotics and Prosthetics, LLC

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, 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, Pediatric Orthopedics, Neurosurgery and PM&R

Member, North Carolina Cancer Hospital Cancer Committee, NC Hospitals

Member, UNC School of Medicine Education Committee



Member, Disability Workshop Planning Committee (2021)  
 Member, Department of Surgery 5 Year Review Committee  
 Member, Enterprise Risk Management Oversight Committee, UNC Hospitals  
 Member, UNC Musculoskeletal (MSK) Specialty Program PRO Vendor Selection Committee (2022)  
 Member, Pro Director Search Committee, UNC Hospitals  
 Faculty, Closed Loop Engineering for Advanced Rehabilitation, UNC/NCSU BME

Baratta

Medical Director of Stroke Rehabilitation, PM&R  
 Founder and Co-Director, COVID Recovery Clinic  
 Member, Rehab Administrative Committee, UNC Hospitals  
 Member, Inpatient Rehabilitation Quality Council, PM&R  
 Member, Residency Program Evaluation Committee, PM&R  
 Super-User, PM&R and UNC Hospitals  
 Faculty Member, Closed-Loop Engineering for Advanced Rehabilitation (CLEAR)  
 Member, Long COVID Conference Planning Committee  
 Member, P&O Director Search Committee, UNC Hospitals  
 Member, Brain Injury Faculty Search Committee, UNC Hospitals

Barton

Associate Director of Pediatric Rehabilitation, UNC SOM and NC Children's Hospital  
 Member, Residency Program Evaluation Committee, PM&R  
 Chair, Pediatric Rehabilitation Search Committee, PM&R  
 Member, Clinical Competency Committee, PM&R  
 Facilitator, Pediatric Rehabilitation Journal Club, PM&R

Duquette

Member, Space Committee, PM&R  
 Co-Director, Psychological Services and Neuropsychology Program, PM&R

Faurot

Assistant Director, Program on Integrative Medicine  
 Member, PM&R Wellness Committee  
 Member and Coordinator, PM&R Research Committee  
 Member, PM&R Diversity, Equity, and Inclusion Committee  
 Member, Hillsborough Hospital Complementary Health Planning 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, PM&R  
 Member, Rehabilitation Patient and Family Advisory Board, UNC Hospitals  
 Member, Psychology Internship Committee, UNC Chapel Hill  
 Co-Chair, PM&R Diversity, Equity, and Inclusion Committee, PM&R  
 Director of Training, Psychological Services and Neuropsychology Program, PM&R

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  
 Member, Tier III Safety Huddle, UNC Health/UNC Medical Center  
 Member, Physician/APP COVID Response Team  
 Member, COVID-19 Testing Working Group

Ingraham

Member and Chair, Non-Interventional Spine Search Committee, Spine Center, UNC Hospitals  
 Member, Virtual Care Transition Committee, 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  
 Member, Clinical Competency Committee, PM&R  
 Member, Fixed Term Promotions Committee, UNC Chapel Hill

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  
 Member, Faculty Welfare Committee, UNC (appointment until 2024)

Roth

Faculty Member, Program on Integrative Medicine, PM&R  
 Departmental Liaison, SOM Well-Being Committee  
 Member, Wellness Committee, PM&R  
 Yoga Teacher, UNC-Wide Wellness Events, HR

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, Academy of Educators, UNC SOM  
 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, UNC Student Stores Advisory Panel  
 Director, Mild TBI Conference Planning Committee

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  
 Member, UNC Hospitals Decompression Committee  
 Member, Hillsborough Hospital Planning Committee  
 Member, Inpatient Rehabilitation Transition to Hillsborough Planning Committee

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, RRNCCre  
 Member, Wellness Committee, UNC Dept PM&R.

### **Honors**

2021 Top Physical Medicine & Rehabilitation Specialist representing Raleigh, NC, in Women In Medicine (Zinner)  
 2021 Marquis Who's Who in America, Post-Acute and LTC Medical Professionals from NC (Zinner)  
 2021 Top Doctors as published in *Business North Carolina*, December 2021 (Baratta)  
 2022 Top Physical Medicine and Rehabilitation Specialist representing Raleigh, NC (Zinner)

### **Published Interviews with Media Outlets**

#### Baratta

"New Long-Haul COVID Clinics Treat Mysterious and Ongoing Symptoms." Scientific American news magazine interview with reporter Melba Newsome. Published online <https://www.scientificamerican.com/article/new-long-haul-covid-clinics-treat-mysterious-and-ongoing-symptoms/> (7/1/2021).

"Long Haul COVID - What Is It, What to Look For." North Carolina Family Medicine Today podcast, sponsored by the North Carolina Academy of Family Physicians. Published online <https://podcasts.apple.com/us/podcast/the-old-north-state-podcast/id1548608395> (July 8, 2021).

"What the U.S. Can Learn From the U.K.'s Response to Long Covid." Bloomberg News interview with reporter Rebecca Torrence. Published online: <https://www.bloomberg.com/news/articles/2021-07-22/how-us-uk-are-responding-to-long-covid-19-symptoms> (7/22/2021).

"When COVID Doesn't Go Away." CDC-AAMC Vaccine Voices interview with reporter Beth Howard. Published online: <https://vaccinevoices.org/when-covid-doesnt-go-away/> (August 2021).

"The Long Haul: 10 Months After COVID, Symptoms Linger for Mom of 2." UNC Health Talks. <https://healthtalk.unchealthcare.org/the-long-haul-10-months-after-covid-symptoms-linger-for-mom-of-2/> (September 8, 2021).

"Nearly 10 months later, Johnston County woman still dealing with COVID-19 symptoms." Televised interview with reporter Maggie Newland. CBS 17 News at 10:00. Also published online: <https://www.cbs17.com/community/health/coronavirus/nearly-10-months-later-johnston-county-woman-still-dealing-with-covid-19-symptoms/> (9/20/2021).

"This is life-changing': Month after hospitalization, Moore Co. man struggles with long-haul COVID." Televised interview with reporter Michael Perchick. ABC 11 News at 6:00. Also published online: <https://abc11.com/long-haul-covid-coronavirus-illness-symptoms/11044572/> (9/24/2021).

“At UNC’s COVID-19 recovery clinic, a 12-year-old girl is still battling symptoms a year later.” Televised interview with reporter Hayley Fixler. CBS 17 News at 6:00. Also published online: <https://www.cbs17.com/community/health/coronavirus/at-uncs-covid-19-recovery-clinic-a-12-year-old-girl-is-still-battling-symptoms-a-year-later/> (9/28/2021).

“12-year-old getting treatment at UNC has been dealing with COVID effects for more than a year.” Televised interview with reporter Gloria Rodriguez. ABC 11 News at 6:00. Also published online: <https://abc11.com/covid-symptoms-long-hauler-covid19-coronavirus/11080295/> (10/4/2021).

“Our Readers Report Long COVID Symptoms.” MedShadow.com. Published online: <https://medshadow.org/our-readers-report-long-covid/> (10/21/2021).

“She’s 8 and living with long haul COVID. ‘I can’t just be a kid.’” Charlotte Observer article by reporter Rebecca Torrence. Published in print version and available online: <https://www.charlotteobserver.com/news/local/article255382901.html>. (11/5/2021)

“Seizures, extreme fatigue: Children struggle with COVID-19 long-haul symptoms.” Televised interview with reporter Joe Fisher. ABC 11 News at 6:00. Also published online: <https://www.wral.com/coronavirus/seizures-extreme-fatigue-children-struggle-with-covid-19-long-haul-symptoms/19971832/> (11/9/2021).

“Johnston County woman experiences hair loss after COVID-19.” Televised interview with reporter Gloria Rodriguez. ABC 11 News at 6:00. Also published online: <https://abc11.com/hair-loss-covid-19-four-oaks-karen-lee/11246908/> (11/17/2021).

“Long COVID patients are ‘terrified’ of Omicron.” Published online by NBC News (national): <https://www.nbcnews.com/health/health-news/long-covid-patients-are-terrified-omicron-rcna9797>. (12/24/2021).

“Brain Fog Caused by Long COVID and Chemo Appear Similar.” *The Scientist* news magazine interview with reporter Dan Robitzski. Published online <https://www.the-scientist.com/news-opinion/brain-fog-caused-by-long-covid-and-chemo-appear-similar-69659> (1/28/2022).

“In ‘chemo brain,’ researchers see clues to unravel long Covid’s brain fog.” *STAT* news magazine interview with reporter Elizabeth Cooney. Published online <https://www.statnews.com/2022/01/28/long-covid-brain-fog-chemo-brain/> (1/28/2022).

“Exploring Long COVID.” Live televised interview on NBC News Now platform (national) show “Now Tonight with Joshua Johnson.” [https://www.youtube.com/watch?v=cctHz\\_pZwU&t=1108s](https://www.youtube.com/watch?v=cctHz_pZwU&t=1108s) (1/12/2022).

“Talking to long-haul COVID: How an NC doc and patient fight the mysterious syndrome.” *NC Health News* magazine interview with reporter Thomas Goldsmith. Published online: <https://www.northcarolinahealthnews.org/2022/02/02/talking-to-long-haul-covid-how-an-nc-doc-and-patient-fight-the-mysterious-syndrome/> (2/2/2022)

“Long COVID Symptoms, Management, And Where We’re Headed.” *Verve Times* online news. Article by Monica Lozano. <https://vervetimes.com/long-covid-symptoms-management-and-where-were-headed/> (2/5/2022).

“‘Good, not great’: Some long Covid patients see their symptoms improve, but full recovery is elusive.” *STAT* news magazine interview with reporter Elizabeth Cooney. Published online <https://www.statnews.com/2022/02/08/long-covid-patients-clinics-symptoms-improve-recovery-elusive/> (2/8/2022).

“NC COVID long-haulers hopeful as access to medical treatment increases.” Televised interview with reporter Rick Armstrong. WRAL News. Also published online: <https://www.wral.com/coronavirus/covid-19-long-haul-sufferers-now-find-more-options-for-medical-treatment-advocacy-and-support/20167700/> (3/2/2022).

“UNC clinic offers hope and support for those battling long COVID’s mysterious symptoms.” Raleigh News & Observer article by reporter Martha Quillin. Published in print version and available online: <https://www.newsobserver.com/article259053988.html>. (3/30/2022)

“‘My mind just goes blank’: When ‘brain fog’ comes, patients find that therapy helps.” Raleigh News & Observer article by reporter Martha Quillin. Published in print version and available online: <https://www.newsobserver.com/news/local/article259174098.html>. (3/30/2022)

“‘I remain faithful’: Therapists and patients learn that recovery can’t be rushed.” Raleigh News & Observer article by reporter Martha Quillin. Published in print version and available online: <https://www.newsobserver.com/news/local/article259333554.html>. (3/30/2022)

“UNC Clinic offers Hope and Support for those Battling Long COVID’s Mysterious Symptoms”  
<https://www.newsobserver.com/article259053988.html> (3/30/22)

“How long-haul COVID continues to impact some North Carolinians: ‘It has been very perplexing.’” WUNC North Carolina Public Radio story by Jason deBruyn and Anisa Khalifa. Aired on radio and published online at <https://www.wunc.org/health/2022-05-03/perplexing-long-haul-covid-impact-north-carolinians-nc-tested>. (5/3/22)

“‘Like you are carrying around extra weight on your body’: UNC treats 1,000th COVID long hauler.” Televised interview with reporter Joe Fisher. WRAL News. Also published online: <https://www.wral.com/coronavirus/goldsboro-woman-describes-long-covid-like-you-are-carrying-around-extra-weight-on-your-body/20273213/>. (5/9/22)

“‘It is a developing crisis’: Doctors see increase in long-haul COVID-19 cases.” Televised interview with reporter Samantha Kummerer. ABC 11 News. Also published online: <https://abc11.com/long-covid-haul-symptoms-nc-19-hauler/11832045/>. (5/9/22)

“Long COVID is a growing problem. More should be done to treat it.” *Raleigh News & Observer* editorial article by Ned Barnett. Published in print version and available online: <https://www.newsobserver.com/opinion/article261728722.html>. (5/25/22).

“Do Vaccines Prevent Long COVID?” The People’s Pharmacy article by Joe Graedon. Published online: <https://www.peoplespharmacy.com/articles/do-covid-vaccines-prevent-long-covid>. (5/30/22)

“Long COVID: Learning as We Go.” Infectious Disease Special Edition article by reporter Landon Gray. Published online on IDSE website. <https://www.idse.net/Covid-19/Article/06-22/Long-COVID-Learning-as-We-Go/67080>. (6/1/22)

## Appendix A – Departmental Teaching Summary by Faculty

### **Rotation Directors**

#### Baratta

Stroke Rehabilitation (Director)

#### Barton

Pediatric Rehabilitation (Director)

#### Cleveland

Spinal Cord Injury (Director)

#### Filer

Electrodiagnostic Medicine (Co-Director)

Inpatient Rehabilitation (Co-Director)

#### Karvelas

Electrodiagnostic Medicine (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)

Rehabilitation consults

Zinner

APP Education (Co-Director)

Subacute Rehabilitation (Co-Director)

### **Didactic Block Responsibility**

Baratta

Stroke Rehabilitation, 3 weeks

Business, Professionalism & Quality Improvement, 2 weeks

Barton

Pediatric Rehabilitation, 3 weeks

Bartolo

Workshops (Anatomy, PE, US), 12 weeks

Cleveland

Spinal Cord Injury, 6 weeks

Filer

Intro to Rehab, 8 weeks

Bone Joint and Connective Tissue, 3 weeks

Brain Injury, 2 weeks

Hill

Occupational Medicine and Burn, 2 weeks

Research, 2 weeks

Ingraham

Workshops (Anatomy, PE, US), 12 weeks

Karvelas

Workshops (Anatomy, PE, US), 12 weeks

Rauch

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

Orthotics, 2 weeks

Prosthetics, 3 weeks

Case Presentations and Oral Board Reviews, 3 sessions

Shuping

Sports Module, 3 weeks

Modalities Module, 3 weeks

Telhan

Spine and Pain, 4 weeks

Thananopavarn

Geriatric Medicine, 2 weeks  
Integrative Medicine, 2 weeks  
Cancer and Cardiac Rehab, 2 weeks

Thompson

Physician Wellness & Burnout, 3 weeks

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

Baratta

1/6/2022 – Stroke Rehabilitation Medical Perspective  
9/23/2021 – Quality and Value in Healthcare  
9/20/2021 – Professionalism in Healthcare

Barnhill

12/4/22 Research Methods I  
12/9/22 Research Methods II

Barton

Cleveland

Filer

Gaylord

“Mission and Activities of the Program on Integrative Medicine”  
Given to first-year residents on June 16, 2022  
Coordinator of Integrative Medicine Lecture Series on April 28 and May 5, 2022.

Ingraham

Karvelas

Rauch

12/16/2021 Oral board review with cases  
3/31/2022 Oral board review with cases

Roth

09/09/2021 – “Physician Wellness and Burnout”  
03/24/2022 – “Tools for Self-Care”  
04/28/2022 – “Introduction to Integrative Medicine”

Shuping

3/3/2022 – Evaluation of the Runner  
3/3/2022 – Exertional compartment syndrome  
3/3/2022 – Lower Extremity Injury assessment  
3/10/2022 – MSK/Sports SAE review

Telhan



Thompson

Than

2/3/2022 - "Geriatric Physiology"

2/3/2022 - "Geriatric Assessment, Dementia, Depression, Polypharmacy"

2/10/2022 - "Delirium, Traumatic Brain Injury, and Antipsychotics"

4/28/2022- "Acupuncture"

Zinner

2/10/2022 – "Osteoporosis and Hip Fractures"

**Mentorship Responsibilities**

**To UNC PM&R Residents**

Baratta

2 PGY-2 (Tompary and Kodsi)

1 PGY-3 (Vijayaraghavan)

Barton

1 PGY-3 (Yeste)

Filer

4 PGY-1's

Ingraham

Karvelas

1 PGY-4 (Riden)

Rauch

Shuping

Telhan

2 PGY-2's (Siano and Sharp)

**To Others**

Alexander

Doctoral Dissertation Research Advisory Committee Member, James McCall, Biomedical Engineering, NCSU

Baratta

Doctoral Dissertation Advisory Committee Member, Sarah Rich, UNC School of Nursing

Duquette

Faurot

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

Mentor and Doctoral Dissertation Committee Member for T32 Predoctoral Fellow, Gilson Honvoh

Doctoral Dissertation Committee Member for Christine Callahan, Human Movement Science, “Associations among Perceived Psychological Stress, Mindfulness, and Clinical and Psychological Outcomes in Young Adults with Concussion History”

Mentor for T32 Postdoctoral Fellow, Zachary Kadro

Mentor for T32 Postdoctoral Fellow, Aisha Chilcoat

Co-mentor for T32 Postdoctoral Fellows, Jenni Shafer & Daniel Gallego Pere

Research Mentor for Resident Taylor Riden

Mentor for Visiting Scholar, Jinyoung Park (Now in doctoral program in psychology and neuroscience at Duke University)

Mentor for Physician Assistant students (Capstone papers)

Filer

Mentor for PHD candidate (and F31 Grant advisor, PhD thesis committee) for Noah Rubin (NCSU)

Mentor for MD/PHD candidate (PhD thesis committee) for Robert Hinton PhD

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

Roth

Mentor for undergraduate Research Assistant Malik Tiedt

Mentor for visiting medical student Bethany Kavalakatt

Mentor for undergraduate independent study student Leah Peloff

Mentor for MSTAR student Raveena Mata

Shuping

Mentor, 5 different 2-4th year medical students, UNC