Faculty Education & Scholarship Summary Report  
July 1, 2020 – June 30, 2021  
Department of Physical Medicine and Rehabilitation  
UNC School of Medicine

Faculty

Joshua Alexander, MD
JM Baratta, MD, MBA
Jessica Barnhill, MD, MPH
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
Christine Lathren, MD, MSPH
Hanna Leong, PhD
Kimberly Rauch, DO
Lee Shuping, MD, MPT
Raj Telhan, MD, MFA
Paul Thananopavarn, MD
Karla Thompson, PhD
Tanya Zinner, MD

Bibliography

PUBLISHED

1. Andersen, E., Geiger P; Schiller, C., Bluth, K; Watkins, L; Zhang, Ying; Xia, Kai; Tauseef, H.; Leserman, Jane; Gaylord, Susan; Girdler, S. Effects of Mindfulness-Based Stress Reduction on Experimental Pain Sensitivity and Cortisol Responses in Women with Early Life Abuse: A Randomized Controlled Trial. Psychosom Medicine. 2020, Nov. 30; 10.1097/PSY.0000000000000889.


IN PRESS


SUBMITTED
2. Zieff, Gabriel H; Stone, Lee; Frank, Barnet; 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.)
4. Zieff, Gabriel H; Stone, Lee; Frank, Barnet; 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.)


BOOK CHAPTERS


MEETING ABSTRACTS/POSTERS


7. Patel A, Vijayaraghavan N, **Shuping, L.** A Rare Etiology of Finger Weakness in a Recreational Weightlifter. AAP 2021, poster.


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**Grants, Contracts & Clinical Trials**

*denotes change  
**cannot confirm  
***funded (waiting for award) or expected funding

**Funded**

<table>
<thead>
<tr>
<th>Grant ID</th>
<th>Agency/Institution</th>
<th>PI/Contact PI</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>*1R01MD015388-01A1</td>
<td>NIH NIMHD</td>
<td>Giscombe, Gaylord</td>
<td>07/29/2020</td>
<td>02/28/2025</td>
</tr>
</tbody>
</table>
| Title: The HARMONY Study – A culturally relevant, randomized controlled stress management intervention to reduce cardiometabolic risk in African American women.  
**Goal:** 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.  
**Faculty:** Gaylord: PI (20% effort in year one)  
Faurot: Co-I (10% effort in year one) |
| *1R34AT011038-01 | Old Dominion/NIH NCCIH             | Kelley         | 09/21/2020 | 08/31/2023 |
| Title: Adaptation of Mindfulness to Treat Moral Injury in Veterans  
**Goal:** To develop and test the feasibility of internet-based mindfulness program adapted to treat moral injury in veterans.  
**Faculty:** Gaylord: Co-I (8.3 Effort) |
| *1UH3AT010621-01 | NCCIH/NIH                           | Morone, Gaylord | 09/01/2020 | 08/31/2024 |
| Title: Group-based mindfulness for patients with chronic low back pain in the primary care setting.  
**Goal:** 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.

**Faculty:**
- **Gaylord:** Site PI (20% effort)
- **Faurot:** Co-I (20% effort)

<table>
<thead>
<tr>
<th>Project ID</th>
<th>Principal Investigator</th>
<th>Funding Agency</th>
<th>Year Range</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>901FDV0017-01</em></td>
<td>Pantic (NCSU PI); Filer (Co-PI)</td>
<td>NCSU/NIH NIDILRR</td>
<td>09/01/2020-08/31/2023</td>
</tr>
</tbody>
</table>
| **Title:** Development: Next-Generation Public Charging Infrastructure and Cyber-Information Network for Enhanced Inclusion and Independent Living of Power Mobility Device Users  
**Goal:** 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.  
**Faculty:**  
- Filer: Co-PI (5%)  
- Faurot: Co-I (2.5%) |
| 4R33MH110027-03 | Dichter (PI) | National Institute of Mental Health | 02/01/2017-07/31/2022 |
| **Title:** Development of A Novel Transdiagnostic Intervention for Anhedonia  
**Goal:** 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.  
**Faculty:**  
- Gaylord: Co-I (14% effort) |
| 5R01EB024570 | Huang (PI) | NCSU/NIH | 08/15/2018-04/30/2022 |
| **Title:** Error Tolerance in Wearer-Robot Systems  
**Goal:** 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.  
**Faculty:**  
- Filer: Co-I (9% effort) |
| R00HD091375 | Cassidy (PI) | NIH/NICHD |  
| **Title:** Brain Network Connectivity Measures In Early Stroke Rehabilitation  
**Goal:** 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.  
**Faculty:**  
- Baratta: Consultant (no salary support) |
<table>
<thead>
<tr>
<th>Grant Number</th>
<th>PI/Co-PI</th>
<th>Funding Period</th>
<th>Title</th>
<th>Goal</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>5R21AG061728-02</td>
<td>Gaylord (PI)</td>
<td>02/01/2019-12/31/2021</td>
<td>Easing the Burden of Dementia Caregiving: A Telephone-delivered Mindfulness Intervention for Rural, African American Families</td>
<td>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.</td>
<td>Gaylord: Co-I (15% effort) Faurot: Co-I (10% effort)</td>
</tr>
<tr>
<td>PR141560</td>
<td>Faurot (PI)</td>
<td>04/01/2016-03/29/2022</td>
<td>Targeted Alteration of Dietary Omega-3 and Omega-6 Fatty Acids for the Treatment of Post-Traumatic Headache</td>
<td>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.</td>
<td>Faurot: Site PI (23% effort)</td>
</tr>
<tr>
<td>T32-AT003378</td>
<td>Gaylord/Mann (PIs)</td>
<td>07/01/2017-06/30/2022</td>
<td>Research Training Fellowship in Complementary and Integrative Healthcare</td>
<td>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.</td>
<td>Gaylord: Lead PI (No Salary Support)</td>
</tr>
<tr>
<td>*Mayday Fund</td>
<td>Carneiro (PI)</td>
<td>01/01/2015-03/31/2022</td>
<td>Novel Management of Lumbar Radiculopathy-a Dietary Approach</td>
<td>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.</td>
<td>Carneiro: Lead PI (0% Effort) Faurot: Project Manager (0% Effort)</td>
</tr>
</tbody>
</table>
**Gaylord**: Co-I (0% Effort)
**Johnston**: Clinical Research Coordinator (0% Effort)

### CLINICAL TRIALS

N/A

### PENDING

<table>
<thead>
<tr>
<th><strong>NIDILRR</strong></th>
<th>Kamper (PI)</th>
<th>Submitted 12/2020</th>
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<tbody>
<tr>
<td><strong>Title</strong>: Training for Hand Exoskeleton with Serious Games</td>
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<tr>
<td><strong>Goal</strong>: Despite the prevalence of chronic impairment, rehabilitation for stroke survivors has typically focused on therapeutic interventions designed to ameliorate sensorimotor control. The goal of this project is to improve health and function through training for an assistive device for the hand.</td>
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<tr>
<td><strong>Faculty</strong>:</td>
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<tr>
<td><strong>Baratta</strong>: Co-I (5%)</td>
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<thead>
<tr>
<th><em>Unassigned</em></th>
<th>Faurot (PI)</th>
<th>09/01/2021-08/31/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title</strong>: Diversity Supplement to Group-based mindfulness for patients with chronic low back pain in the primary care setting</td>
<td></td>
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<tr>
<td><strong>Goal</strong>: 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.</td>
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<tr>
<td><strong>Faculty</strong>:</td>
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<tr>
<td><strong>Faurot</strong>: 5% (PI)</td>
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<tr>
<td><strong>Gaylord</strong>: 5% (Co-I)</td>
<td></td>
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<tr>
<td><strong>Elhadidy</strong>: 100% (Fellow)</td>
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<tr>
<th><strong>UNC Center for Health Innovation</strong></th>
<th>Baratta and Cassidy (Co-PIs)</th>
<th>Submitted 1/2021</th>
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</thead>
<tbody>
<tr>
<td><strong>Title</strong>: Stroke Management Training and Inpatient Rehabilitation Discharge Education (STRIDE Program)</td>
<td></td>
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<tr>
<td><strong>Goal</strong>: 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.</td>
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<tr>
<td><strong>Faculty</strong>:</td>
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<tr>
<td><strong>Baratta</strong>: Co-PI (In-Kind)</td>
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<thead>
<tr>
<th><strong>NIH</strong></th>
<th>Yong (PI)</th>
<th>Submitted 2/2021</th>
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<tbody>
<tr>
<td><strong>Title</strong>: A personalized, community-based rehabilitation sensing system to improve daily functions of stroke survivors</td>
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</tbody>
</table>
**Goal**: 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.

**Faculty:**  
**Baratta**: Co-I (5%)  

<table>
<thead>
<tr>
<th>Title: Scaling-Up Integrative Pain Management in Federally Qualified Health Centers</th>
<th>Roth (PI)</th>
<th>04/01/2022-03/31/2027</th>
</tr>
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</table>
| Faculty: | Roth: PI (100% Effort)  
Gaylord: Co-mentor (0% Effort) |

<table>
<thead>
<tr>
<th>Title: Supplement to Group-based mindfulness for patients with chronic low back pain in the primary care setting</th>
<th>Roth (PI)</th>
<th>08/01/2021-07/31/2024</th>
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</table>
| Faculty: | Roth: 20% (PI)  
Lathren: 10% (Co-I) |

<table>
<thead>
<tr>
<th>Title: Project B.R.E.A.T.H.E. (Brothers, Reclaiming, Emotional, Awareness, Tranquility, Healing &amp; Existence): Disrupting Racialized Stress, Trauma, &amp; Problematic Substance Use in Young Adult Black Men</th>
<th>Powell (Contact PI), Gaylord (UNC PI)</th>
<th>04/01/2021-03/31/2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty:</td>
<td>Gaylord: PI (10% Effort)</td>
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</table>

<table>
<thead>
<tr>
<th>Title: Supplement to Project B.R.E.A.T.H.E. (Brothers, Reclaiming, Emotional, Awareness, Tranquility, Healing &amp; Existence): Disrupting Racialized Stress, Trauma, &amp; Problematic Substance Use in Young Adult Black Men</th>
<th>Gaylord (PI)</th>
<th>09/01/2021-08/31/2024</th>
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<tbody>
<tr>
<td>Faculty:</td>
<td>Gaylord: PI (10% Effort)</td>
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<tr>
<td>Faculty:</td>
<td>Gaylord: 5% (PI)</td>
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*Unassigned, DUKE/NIH*  
IPF 21-2993  
Peter Duquette (PI)  
$384,470  
09/01/2021-08/31/2026

**Title:** Risk Stratification of Postconcussive Symptoms in Children to Promote Health Outcomes and Academic Performance  
**Goal:** N/A

<table>
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<tr>
<th>Faculty:</th>
<th>Duquette: 10% (PI)</th>
</tr>
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</table>

*1R21AA030121-01*  
IPF 21-5809  
Boettiger (PI)  
$414,358  
04/01/2022-03/31/2024

**Title:** Frontolimbic circuit mediation of mindfulness training effects on behavioral flexibility in emerging adults  
**Goal:** 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.

<table>
<thead>
<tr>
<th>Faculty:</th>
<th>Gaylord: 0.50 CM (Co-I)</th>
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</thead>
</table>

***1R01MD017051-01*  
IPF 21-4002  
Hernandez (Lead PI) and Gaylord (PI)  
$1,893,123  
09/01/2021-08/31/2025

**Title:** Digital health platform (DHP) to deliver Mindfulness as a Stress Management Intervention Leveraging Electronic (SMILE) health records for racial and ethnic populations during the COVID-19 pandemic  
**Goal:** The overall objective of this proposal is to investigate effectiveness and sustainability of our DHP, to delineate MBSR mechanisms of action 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.

| Faculty: | Gaylord: 20% (PI)  
Faurot: 10% (Co-I) |
|---------|------------------|

*2R01AG056479-01A1*  
IPF 21-6058  
Sturmer (PI)  
$3,843,093  
05/01/2022-04/30/2027

**Title:** Propensity scores and preventative drug use in the elderly
Goal: 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.

Faculty:
- **Faurot**: 5% (Co-I)

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**COMPLETED**

<table>
<thead>
<tr>
<th>*UNC Family Medicine Innovation Award</th>
<th>Hill J (PI)</th>
<th>07/01/2019-10/30/2020</th>
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<tbody>
<tr>
<td><strong>Title</strong>: “Development of a Novel mHealth Application for Dietary Supplement Tracking—Provider Perspectives”</td>
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<tr>
<td><strong>Goal</strong>: To develop and test an mHealth application for dietary supplement tracking in three patient populations.</td>
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<tr>
<td><strong>Faculty</strong>:</td>
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<tr>
<td>- <strong>Faurot</strong>: PI (in kind)</td>
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<table>
<thead>
<tr>
<th>*NC TraCS # 2KR1221904</th>
<th>Hodges (PI)</th>
<th>12/16/2019-12/15/2020</th>
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<tbody>
<tr>
<td><strong>Title</strong>: “Intervention mapping for a novel obesity prevention trial during infancy” Grant # 2KR1221904</td>
<td></td>
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</tr>
<tr>
<td><strong>Goal</strong>: 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.</td>
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<tr>
<td><strong>Faculty</strong>:</td>
<td></td>
<td></td>
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<tr>
<td>- <strong>Gaylord</strong>: Co-I (in kind)</td>
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<table>
<thead>
<tr>
<th>*NC TraCS # 2KR1151907</th>
<th>Roth (PI)</th>
<th>12/16/2019-12/15/2020</th>
</tr>
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<tbody>
<tr>
<td><strong>Title</strong>: “Feasibility of Integrative Medical Group Visits in an Outpatient Setting with a High Burden of Patients with Chronic Pain” Grant # 2KR1151907</td>
<td></td>
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</tr>
<tr>
<td><strong>Goal</strong>: 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.</td>
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<tr>
<td><strong>Faculty</strong>:</td>
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<tr>
<td>- <strong>Gaylord</strong>: Co-I/Mentor (in kind)</td>
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<tr>
<td>- <strong>Faurot</strong>: Co-I</td>
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<tr>
<td>- <strong>Karvelas</strong>: Co-I</td>
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<tr>
<td>- <strong>Alexander</strong>: Co-I</td>
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<p>| *5R34AT008822-03 | Gaylord (PI) | 09/01/2016-06/30/2021 |</p>
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<thead>
<tr>
<th>Grant ID</th>
<th>PI/Co-I Details</th>
<th>Dates</th>
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<tbody>
<tr>
<td>NCCIH</td>
<td>$150,677 [No-cost extension]</td>
<td></td>
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</tbody>
</table>
| **Title**: Making Friends with Yourself: A Depression Prevention Program for Adolescents  
**Goal**: 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.  
**Faculty**:  
- Gaylord: PI (15% effort)  
- Faurot: Co-I (9% effort) |                        |                            |
| NC TraCS # 2KR1151904 (NCATS) | Faurot (PI)                                      | 05/15/2019-05/14/2020     |
| **Title**: “Development of a Novel mHealth Application for Dietary Supplement Tracking--Acquiring Patient Perspectives” Grant # 2KR1151904  
**Goal**: To develop and test an mHealth application for dietary supplement tracking in three patient populations.  
**Faculty**:  
- Faurot: PI (in kind)  
- Gaylord: Co-I (in kind) |                        |                            |
| 1R43M3MD012223-01        | McNasby (PI) / Gaylord (Subaward-PI)                | 07/30/2017 – 10/31/2020    |
| IVY.AI, Inc.?NIH/National Center for Complementary & Integrative Health |                                      |                            |
| **Title**: SBIR: Artificially Intelligent Diabetes Assistant (AIDA) for African Americans with Type II Diabetes  
**Goal**: 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.  
**Faculty**: Gaylord: PI for Subaward |                        |                            |
| 5R33MH100250-05          | Penn (PI)                                           | 04/04/2014 - 03/31/2020    |
| NIH/National Institute of Mental Health |                                      |                            |
| **Title**: Targeting Stress Reactivity in Schizophrenia: Integrative Coping Awareness Therapy  
**Goal**: To develop/ test mindfulness & positive psych intervention for stress reactivity in early schizophrenia.  
**Faculty**: Gaylord: Co-I (8% effort) |                        |                            |
| UNC PM&R Innovation Award | Gaylord (PI)                                      | 08/2018-12/2019            |
| **Title**: Whole Health at the Center for Rehabilitation Care: An Integrative Health Model  
**Goal**: 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&R patients, and developing patient and provider education in CAM and integrative health modalities.  
**Faculty**: |                        |                            |
Gaylord: PI
Faurot: Co-I
Thompson: Co-I

1UG3AT010621-01 (UH3 pending)  Morone, PI; Gaylord, UNC Site PI
NCCIH/NIH
$109,999 (direct) (Year 1 subaward – planning year)  9/29/2019-08/31/2020

**Title:** Group-based mindfulness for patients with chronic low back pain in the primary care setting.
**Goal:** 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.

**Faculty:**
- Gaylord: Site PI (10% effort)
- Faurot: Co-I (10% effort)

Axovant Sciences, Inc.  Kaufer (PI)
$9,651.03  01/04/2016-06/01/2020

**Title:** A Phase 2b, double-blind, randomized, placebo-controlled study of RVT-101 in subjects with dementia with Lewy Bodies (DLB)
**Goal:** 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

**Faculty:**
- Harris: Technical Staff (No Salary Support)

NC TraCS $2K Stakeholder Engagement Voucher  Roth (PI)
05/15/2019-05/14/2020

**Title:** “Engaging Stakeholders in Research on a Telephone-delivered Mindfulness Intervention for Rural, African American Families” Grant # SE1907
**Goal:** 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.

**Faculty:**
- Roth: PI (in kind)
- Gaylord: Co-I (in kind)

**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”

*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)
Co-Investigator – “Achieving Real World Measurement and Biofeedback of Gait Propulsion” (IRB Number20-3017)

Faculty Mentor (Truong) – “Improving Physician Knowledge of Physiatry Related Out-of-Pocket Patient Costs at UNC”
Faculty Mentor (Vijay) – Pager System Redesign
Faculty Mentor (Riden) – Stroke Rehabilitation Education Express Workout QI Project

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 - "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).

Filer

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 Phase 3 Study to Evaluate Efficacy and Safety of AL001 in Frontotemporal Dementia (INFRONT-3; with Dr. Bozoki)

**Rauch**

Patient recruitment – GPS Community Study for Adults with CP

**Shuping**

Co-investigator – “Educational Guide as a Tool for Improving the Medical Student Experience in Physical Medicine and Rehabilitation” with Dr. Sainburg

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 (Accepted, with Drs. Sainburg and Boyd and Tyler Washburn, MS1)

Mentor – Anna Silverstein, MS4 - Proposal for handicap accessible transport on UNC’s Campus

Mentor – Calvin Blocker, MS4 – Literature review for Post-traumatic headache, in process

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

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

International Presentations
2021 “Long COVID Syndrome.” Invited presentation offered through United States Embassy to NC-Moldova Nursing Collaborative. Simultaneous translation into Romanian and Russian languages. 6/27/2021 (Baratta)

National Presentations (Completed)
2021 “National Grand Rounds: The Future is Now, PM&R’s Role with Combating Long COVID.” AAPM&R Virtual Presentation. 6/9/2021. (Baratta)
2021 “Setting up a Neuromuscular Ultrasound Lab.” AANEM Continuing Education Virtual Course. 5/2021
2021 “UNC Health COVID-19 Game Changers.” Invited presentation to UNC Health Foundation members. 2/24/2021 (Baratta)
2021 “Results from the 2020 AAP Chairs’ Wellness Survey”. Presented at Physiatry 21, National Virtual Presentation, 2/11/2021
2021 “A Double Whammy: Atypical limb deficiency presentation in patient with spinal cord injury.” Co-presented with Dr. Anna Vergun, Association of Children’s Prosthetic-Orthotic Clinics Meeting. 4/23/2021 (Barton)
2020 “COVID and Spina Bifida” Panel Discussion, UNC Spina Bifida Family Conference, Online Meeting. 10/24/2020 (Alexander)
2020 “Transitioning to Adult Spina Bifida Clinic”, UNC Spina Bifida Family Conference, Online Meeting. 10/24/2020 (Alexander)
2020 “Welcome, Introductions and Overview”, UNC PM&R Mild TBI Conference, Online Meeting. 10/31/2020 (Alexander)
2020 “From Disability to Productivity: Transitioning to Employment, Volunteerism, and Caregiving Following Stroke”, American Congress of Rehabilitation Medicine Annual Meeting. 10/24/2020. (Baratta)
2020 “Neuropsychology and New Treatments for mild TBI”, UNC PM&R Mild TBI Conference, Online Meeting. 10/31/2020 (Thompson & Harris)
2020 “Dysautonomia in mild Traumatic Brain Injury” UNC PMR Mild TBI Conference, 10/31/2020 (Shuping)
2020 “Case Presentations” and moderator for discussion UNC PMR Mild TBI Conference, 10/31/2020 (Shuping)

Statewide and Regional Presentations (Completed)
2021 “Integrative Medicine Approach to Patients with Chronic Pain”. Department Grand Rounds, Department of PM&R, UNC School of Medicine, Chapel Hill, NC. 4/2021. (Karvelas, Barnhouse, Roth, Chilcott)
2021 “Post-COVID Syndrome.” Invited presentation to Governor’s Institute Regional Spring Meeting. 4/10/2021 (Baratta)
2021 “Post-COVID Syndrome.” Combined Grand Rounds to UNC Surgery and Orthopedics Departments. 1/27/2021 (Baratta)
2021 “Cancer Rehabilitation: Strategies to Improve Function and Quality of Life” UNC Comprehensive Cancer Support Program / Palliative Care Grand Rounds 1/27/2021 (Than)
2021 Moderator for project ECHO, NC Action Network for NC SNFs: Covid testing and vaccination in SNF/LTC-1/7/2021, Screening for COVID in SNF/LTC- 1/14/2021-1/21/2021 (Zinner)
2020 “DUHS SNF Quarterly Conference: COVID-19 Universal Testing in Long Term Care” 7/9/2020 (Zinner)
2020 “Occupational Health Update for Long-Term Care Facilities”, Statewide Program for Infection Control and Epidemiology”, 9/20/2020 (Hill)
2020 “DUHS SNF Quarterly Conference: Treatment of COVID-19 in SNF and LTC” 12/10/2020 (Zinner)

**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 2021

*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**


Faculty Discussion Leader
Cohorting to Prevent Infection, Dec 3 2020
2020 “Mobility presentation to patient progression committee and Rex therapy”, 9/24/2020 (Zinner)

2020 “Introduction to Neuropsychology,” Guest speaker for UNC Clinical Rehabilitation and Mental Health Counseling assessment course, 10/29/2020 (Harris)

2020 “Geriatric Neuropsychology,” Presentation for UNC Neurology residents, 8/27/2020 (Harris)

2020 “Pediatric Traumatic Brain Injury.” Presentation to UNC Pediatrics. 10/14/20 (Barton)

2021 “Post-COVID Syndrome.” Combined Grand Rounds to UNC Surgery and Orthopedics Departments. 1/27/2021 (Baratta)

2021 “Post-COVID Syndrome.” Presentation to Pulmonary Division of Internal Medicine. 2/16/2021. (Baratta)

2021 “Post-COVID Syndrome.” Presentation to Pulmonary Division of Internal Medicine. 2/16/2021 (Baratta)

2021 “Post-COVID Syndrome.” Presentation to United States House Energy & Commerce Committee and American Association of Medical Colleges staff members. 4/23/2021 (Baratta)

2021 “Bracing and Assistive Devices” Presentation to UNC Neurology and PM&R residents. 1/13/2021

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 UNC School of Medicine MS1 Ultrasound Course, Hands-On Training. 5/17/2021. (Karvelas)

**Professional Service**

**National and Regional Organizations**

**American Academy of Cerebral Palsy and Developmental Medicine (AACPDM)**
Member, Lifespan Care Committee (Rauch)
Member, Adaptive Sports and Recreation Committee (Barton)

**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)
Member (Duquette)

American Academy of Physical Medicine and Rehabilitation
Member, Telehealth Innovation Workgroup (Alexander)
Member, Long COVID QI Collaborative (Baratta)
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)
EDX SAE Committee 2020 (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
Member, Education Committee (Baratta)
Member, Maintenance of Certification Self-Assessment Exam Committee (Baratta)
Judge, Resident and Fellow Council Essay Contest (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)

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)

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)

Telehealth Innovation Workgroup, American Academy of Physical Medicine and Rehabilitation
Member 2020, (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
Project Lead, Spina Bifida Transition Care QI Learning Collaborative
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
Member, UNC FP FLAIR Working Group
Member, UNC HCS Patient Wellness Working Group
Member, UNC Spina Bifida Family Conference Planning Committee
Member, UNC School of Medicine Education Committee
Member, UNC Cancer Hospital’s Commission on Cancer Committee
Member, Mild TBI Conference Planning Committee
Member, Disability Workshop Planning Committee (2021)
Member, Department of Surgery 5 Year Review Committee

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, Conference Planning Committee, PM&R
Member, Mild TBI 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

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

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, Spine PA Search Committee, Spine Center, UNC Hospital

_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, 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
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**
2020 Carolina Care Excellence Award (Shuping)
2021 Top Physical Medicine & Rehabilitation Specialist representing Raleigh, NC, in Women In Medicine

**Published Interviews with Media Outlets**

**Baratta**


“I figured you were OK”: Black patients’ COVID symptoms more often dismissed, downplayed.” Article published on NC Health News. Author: Melba Newsome. https://www.northcarolinahealthnews.org/2021/05/24/black-patients-covid-symptoms-more-often-dismissed-downplayed (5/24/2021)

Baratta & Thompson

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  
Professionalism, 2 weeks  

Barton  
Pediatric Rehabilitation, 3 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
7/27/2020 – “Introduction to Amputee Rehabilitation”
7/30/2020 - “Stroke Rehabilitation Medical Perspective”

Barton
4/2/20 - “Introduction to Pediatric PM&R”
4/2/20 - “Pediatric Development”
4/16/20 - “Pediatric Neuromuscular Disease”
4/16/20 – “Pediatric Neuromuscular SAE Review”
2/12/20 - “Common Gait Patterns in Children with Disabilities”
2/12/20 - “Pediatric Lower Limb Bracing”

Cleveland
7/16/2020 – “Bowel and Bladder 101”

Filer
7/02/2020 – “Introduction to Rehab – Part 1”
7/09/2020 – “DVT PPX guidelines”

Ingraham
08/20/2020 – “Knee Physical Exam and Ultrasound Workshop”
11/19/2020 – “Elbow Physical Exam and Ultrasound Workshop”
10/15/2020 – “Wrist/Hand Physical Exam and Ultrasound Workshop”
11/19/2020 – “Elbow/Forearm Physical Exam and Ultrasound Workshop”
2/18/2021 – “Foot/Ankle Physical Exam and Ultrasound Workshop”
4/15/2021 – “Hip / Sacroiliac Joint Physical Exam and Ultrasound Workshop”
5/20/2021 – “Nerves of lower limb / Lumbosacral Spine Physical Exam and Ultrasound Workshop”

Karvelas
5/2021 “Nerves of the Lower Limb Hands-On Didactic.” Resident Educational Didactic Series. Department of
PM&R, University of North Carolina School of Medicine, Chapel Hill, NC.

4/2021 “Hip/SI Joint Ultrasound Lecture and Hands-On Didactic.” Resident Educational Didactic Series. Department of PM&R, University of North Carolina School of Medicine, Chapel Hill, NC.

3/2021 “Nerves of the Upper Limb Ultrasound Lecture and Hands-On Didactic.” Resident Educational Didactic Series. Department of PM&R, University of North Carolina School of Medicine, Chapel Hill, NC.

2/2021 “Foot/Ankle Ultrasound Lecture and Hands-On Didactic.” Resident Educational Didactic Series. Department of PM&R, University of North Carolina School of Medicine, Chapel Hill, NC.

11/2020 “Elbow/Forearm Ultrasound Lecture and Hands-On Didactic.” Resident Educational Didactic Series. Department of PM&R, University of North Carolina School of Medicine, Chapel Hill, NC.

10/2020 “Wrist/Hand Ultrasound Lecture and Hands-On Didactic.” Resident Educational Didactic Series. Department of PM&R, University of North Carolina School of Medicine, Chapel Hill, NC.

9/2020 “Foot/Ankle Ultrasound Lecture and Hands-On Didactic.” Resident Educational Didactic Series. Department of PM&R, University of North Carolina School of Medicine, Chapel Hill, NC.

8/2020 “Knee Ultrasound Lecture and Hands-On Didactic.” Resident Educational Didactic Series. Department of PM&R, University of North Carolina School of Medicine, Chapel Hill, NC.

8/2020 “Introduction to Electrodiagnostics and Neuromuscular Ultrasound” (Virtual Lecture Series)

Rauch
07/08/2020 – Journal Club Moderator for “Transcutaneous innervation zone imaging from high-density surface electromyography recordings”

08/12/2020 – Journal Club Moderator for “Perineural Platelet-Rich Plasma for Diabetic Neuropathic Pain, Could It Make a Difference?”

09/09/2020 – Journal Club Moderator for “Neurofunctional changes after a single mirror therapy intervention in chronic ischemic stroke”

Shuping
08/27/2020 – “Introduction to Modalities”

08/27/2020 – “Other Modalities”

09/03/2020 – “Therapeutic Exercise”

09/03/2020 – “Manual and Other Therapies”

09/10/2020 – “Modalities Workshop”

09/24/2020 – “Common Ailments and Injuries of the Knee”

09/24/2020 – “Exertional Compartment Syndrome”

10/01/2020 – “Shoulder Injuries and Treatment”

10/01/2020 – “Female Athlete Triad”

10/08/2020 – “MSK/Sports SAE Review”

Telhan
08/13/2020 – “Building a Curriculum for Structural Competence”

Thompson
08/13/2020 – “Building a Curriculum for Structural Competence”

Than
10/22/2020 – “Geriatric Physiology”

10/22/2020 – “Geriatric assessment”

10/22/2020 – “Delirium/TBI”

10/29/2020 – “Falls”

10/29/2020 – “Medicare/SNF”
Zinner
10/29/2020 – “Osteoporosis”
10/29/2020 – “Hip Fractures”

**Mentorship Responsibilities**

**To UNC PM&R Residents**

*Baratta*
1 PGY-2 (Tompary)

*Barton*
1 PGY-3 (Yeste)

*Filer*
3 PGY-1’s (DeHority, Kodsi, Melson)

*Ingraham*
1 PGY-3 (Vijayaraghavan)
1 PGY-4 (Sainburg)

*Karvelas*
1 PGY-3 (Riden)

*Rauch*
1 PGY-4 (Truong)

*Shuping*
1 PGY-4 (Patel)

*Telhan*
2 PGY-2’s (Siano and Sharp)

**To Others**

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

*Baratta*
Mentor for Team Alphabet (Biomedical engineering team) studying phantom limb pain

*Duquette*
Doctoral Dissertation Research Advisor, Paige Landau, School Psychology, UNC School of Education

*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

Shuping
Mentor, 7 different 4th year medical students, UNC