## Mission Boost Grant (MBG)

<table>
<thead>
<tr>
<th>Grant No.</th>
<th>Investigator/Mentor/Institution</th>
<th>Title</th>
<th>Grant Term</th>
<th>Grant Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBG-20-141-01</td>
<td>Devi, Gayathri, PhD, MS, BS Duke University Medical Center Department of Surgery Durham, NC</td>
<td>Overcome Stress Signaling to Prevent Inflammatory Breast Cancer Metastasis</td>
<td>04/01/2021 through 03/31/2023</td>
<td>$240,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SF: West Texas Pay-If Group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MBG-21-069-01</td>
<td>Park, Steven, MD Atrium Health Levine Cancer Institute Charlotte, NC</td>
<td>Combined Targeting of Aurora Kinase and Bcl-2 in Double-Hit Lymphoma</td>
<td>07/01/2021 through 06/30/2023</td>
<td>$240,000</td>
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<tr>
<td></td>
<td></td>
<td>SF: Kirby Foundation</td>
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</table>

### Summary MBG
- Total Number of Grants: 2
- Total Amount Awarded: $480,000
### Mentored Research Scholar Grant (MRSG)

<table>
<thead>
<tr>
<th>Grant No.</th>
<th>Investigator/Mentor/Institution</th>
<th>Title</th>
<th>Grant Term</th>
<th>Grant Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRSG-18-193-01</td>
<td>Tan, Hung-Jui, MD MENTOR: Basch, Ethan, MD, MSc University of North Carolina, Chapel Hill Department of Urology Chapel Hill, NC</td>
<td>Designing Visual Tools to Enhance Cancer Surgeon Decision-making</td>
<td>01/01/2019 through 12/31/2023</td>
<td>$737,000</td>
</tr>
</tbody>
</table>

**Summary MRSG**
- Total Number of Grants: 1
- Total Amount Awarded: $737,000

Parameters used in this report: State -- North Carolina
# Pilot and Exploratory Projects in Palliative Care of Cancer Patients and Their Families (PEP)

<table>
<thead>
<tr>
<th>Grant No.</th>
<th>Investigator/Mentor/Institution</th>
<th>Title</th>
<th>Grant Term</th>
<th>Grant Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEP-19-223-01</td>
<td>Patel, Jai, PharmD</td>
<td>Personalized Cancer Symptom Management Using Preemptive Pharmacogenomics</td>
<td>08/01/2020 through 07/31/2023</td>
<td>$130,000</td>
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</table>

**Summary PEP**

- Total Number of Grants: 1
- Total Amount Awarded: $130,000

Parameters used in this report: State -- North Carolina
<table>
<thead>
<tr>
<th>Grant No.</th>
<th>Investigator/Mentor/Institution</th>
<th>Title</th>
<th>Grant Term</th>
<th>Grant Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF-20-140-01</td>
<td>Carey, Leiah M., PhD MENTOR: Campbell, Sharon L., MS, PhD University of North Carolina, Chapel Hill Department of Biochemistry and Biophysics Chapel Hill, NC</td>
<td>Oncogenic KRAS Q61 Mutants as Novel Targets for Drug Discovery Efforts</td>
<td>01/01/2021 through 12/31/2022</td>
<td>$119,500</td>
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<tr>
<td>PF-20-149-01</td>
<td>Jain, Kanishk, PhD MENTOR: Strahl, Brian, PhD University of North Carolina, Chapel Hill Department of Biochemistry and Biophysics Chapel Hill, NC</td>
<td>The Role of PHD Readers and PHRF1 in Chromatin and Cancer Biology</td>
<td>08/01/2021 through 07/31/2024</td>
<td>$175,500</td>
</tr>
<tr>
<td>PF-21-084-01</td>
<td>SoRelle, Elliott, PhD MENTOR: Luftig, Micah, PhD Duke University Medical Center Department of Molecular Genetics and Microbiology Durham, NC</td>
<td>Resolving the Origins of Restricted Fate in Epstein-Barr Virus-Infected B Lymphocyte Proliferation</td>
<td>04/01/2022 through 03/30/2024</td>
<td>$119,500</td>
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<tr>
<td>PF-21-117-01</td>
<td>Thompson, Matthew, PhD MENTOR: Horner, Stacy, PhD Duke University Medical Center Department of Molecular Genetics and Microbiology Durham, NC</td>
<td>Defining the mechanism by which a novel m6A-binding protein shields cells from Immuno-stimulatory RNA</td>
<td>03/01/2022 through 02/28/2025</td>
<td>$175,500</td>
</tr>
<tr>
<td>PF-22-008-01</td>
<td>Burkholder, Nathaniel, PhD MENTOR: Strahl, Brian, PhD University of North Carolina, Chapel Hill Department of Biochemistry and Biophysics Chapel Hill, NC</td>
<td>Deciphering the Histone Interactions and Reader Functions of ASH1L in Biology and Leukemia</td>
<td>11/01/2022 through 10/31/2025</td>
<td>$175,500</td>
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</tbody>
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## Postdoctoral Fellowship (PF)

<table>
<thead>
<tr>
<th>Grant No.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>PF-22-059-01</td>
<td>Szulczewski, Joseph, PhD MENTOR: Hahn, Klaus M., PhD University of North Carolina, Chapel Hill Department of Pharmacology Chapel Hill, NC</td>
<td>Investigating How Focal Adhesions Sense Extracellular Tension to Guide Metastatic Cell Migration</td>
<td>07/01/2022 through 06/30/2024</td>
<td>$119,500</td>
</tr>
<tr>
<td>PF-22-066-01</td>
<td>Drizyte-Miller, Kristina, PhD MENTOR: Der, Channing J., PhD University of North Carolina, Chapel Hill Lineberger Comprehensive Cancer Center Chapel Hill, NC</td>
<td>Targeting Mitochondrial Function as a therapeutic strategy for Pancreatic Cancer</td>
<td>07/01/2022 through 06/30/2025</td>
<td>$175,500</td>
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</tbody>
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### Summary PF
- Total Number of Grants: 7
- Total Amount Awarded: $1,060,500

Parameters used in this report: State -- North Carolina
### Research Scholar Grants (RSG)

<table>
<thead>
<tr>
<th>Grant No.</th>
<th>Investigator/Mentor/Institution</th>
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<th>Grant Term</th>
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</tr>
</thead>
</table>
| RSG-16-214-01 | Locasale, Jason, PhD  
Duke University  
Department of Pharmacology and Cancer Biology  
Durham, NC | Regulatory Principles of the Warburg Effect | 07/01/2017 through 12/31/2022 | $792,000 |
| RSG-17-164-01 | McKay, Daniel J., PhD  
University of North Carolina, Chapel Hill  
Department of Biology and Genetics  
Chapel Hill, NC | Dual Control of Enhancer Accessibility by Temporal Transcription Factors | 01/01/2018 through 12/31/2022 | $792,000 |
| RSG-18-220-01 | Emanuele, Michael J., PhD  
University of North Carolina, Chapel Hill  
Department of Pharmacology  
Chapel Hill, NC | Ubiquitin Ligases in Breast Cancer Proliferation and Therapeutic Resistance | 01/01/2019 through 12/31/2022 | $792,000 |
| RSG-19-030-01 | Floyd, Scott R., MD, PhD  
Duke University  
Department of Radiation Oncology  
Durham, NC | Role of BRD4 in the Cancer Cell Replication Stress Response | 07/01/2019 through 06/30/2023 | $789,000 |
| RSG-19-044-01 | Mansfield, Kyle D., PhD  
East Carolina University  
Department of Biochemistry and Molecular Biology  
Greenville, NC | Role of N6-Methyladenosine mRNA Modification in Breast Cancer Progression | 07/01/2019 through 06/30/2023 | $792,000 |
### Research Scholar Grants (RSG)

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</table>
| RSG-19-150-01 | Soto-Pantoja, David, PhD  
Wake Forest University Health Sciences  
Department of Surgery  
Winston Salem, NC | Targeting CD47 Prevents Cancer Therapy Adverse Effects | 01/01/2020 through 12/31/2023 | $782,000      |
| RSG-20-134-01 | Kelleher, Sarah A., PhD  
Duke University Medical Center  
Department of Psychiatry and Behavioral Sciences  
Durham, NC | An mHealth Symptom Management Intervention for Colorectal Cancer Patients | 01/01/2021 through 12/31/2024 | $791,000      |
| RSG-21-091-01 | Crona, Daniel J., PharmD, PhD  
University of North Carolina, Chapel Hill  
UNC Eshelman School of Pharmacy  
Chapel Hill, NC | Chemically Catalyzed Epigenetic Gene Regulation in Renal Cell Carcinoma | 01/01/2022 through 12/31/2025 | $792,000      |
| RSG-21-103-01 | Pylayeva-Gupta, Yuliya, PhD  
University of North Carolina, Chapel Hill  
Department of Genetics  
Chapel Hill, NC | B cells as mediators of tumor eradication in pancreatic cancer | 01/01/2022 through 12/31/2025 | $792,000      |
| RSG-21-173-01 | Vohra, Nasreen, MD  
East Carolina University  
Department of Surgery  
Greenville, NC | Sentinel Node Immune Signatures & Outcome in Triple Negative Breast Cancer | 01/01/2022 through 12/31/2025 | $792,000      |

Parameters used in this report: State -- North Carolina
### Research Scholar Grants (RSG)

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</tr>
</thead>
</table>
| RSG-22-072-01 | Winger, Joseph G., PhD  
Duke University Medical Center  
Department of Psychiatry and Behavioral Sciences  
Durham, NC | Meaning-Centered Pain Coping Skills Training: A Randomized Controlled Trial of a Psychosocial Intervention for Advanced Cancer Patients | 07/01/2022 through 06/30/2026 | $761,000      |

**Summary RSG**

- Total Number of Grants: 11
- Total Amount Awarded: $ 8,667,000

*Parameters used in this report: State -- North Carolina*