Early Career Investigator Workshop
for Behavioral and Social Scientists in
Cancer Prevention and Control

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Scientific Program Director
Cancer Control and Prevention
Extramural Research and Training
Extramural Research and Training Programs

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Molecular Genetics and Biochemistry of Cancer
Cancer Cell Biology and Metastasis
Translational Cancer Research
Clinical Cancer Research, Nutrition and Immunology
Cancer Control and Prevention Research
Health Professional Training in Cancer Control

www.cancer.org

Our Research Programs
Apply for grant
Peer Review Committees
Cancer Control and Prevention

Major Program Areas

- Palliative Care and Symptom Management
- Health Service and Health Policy Research
- Psychosocial and Behavioral Research
Examples of Behavioral Research Funding

- Primary and Secondary prevention
- Perceived physical and emotional health for patients and caregivers (Quality of Life)
- Culture and spirituality
- Access to care and utilization
- Care coordination, quality of care including palliative care and hospice care
- Symptom Management & Co-morbidities
- Communication and social support
- Cost and work issues
- Impact of health policy on cancer care
Mobile Technology to Improve Pain and Symptoms in Children with Cancer-Pain Buddy

PI: Michelle A. Fortier, PhD, University of California Irvine

• Study Overview: Interactive, web-based program for children ages 8–18 undergoing cancer treatment comprised of:
  • Remote monitoring of treatment-related pain and symptoms
  • Cognitive and behavioral skills training for pain and symptom management
  • Navigated by a 3-D avatar (“Pain Buddy”)
  • Games to enhance engagement
  • Development and formative evaluation completed
  • Pilot RCT demonstrated efficacy in lowering pain severity over 8-week study period

<table>
<thead>
<tr>
<th>Pain severity 0-100 VAS</th>
<th>Pain Buddy (n = 10) Mean ± SD</th>
<th>Attention Control (n = 13) Mean ± SD</th>
<th>p-value</th>
<th>Cohen's d</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current pain</td>
<td>19.71 ± 15.88</td>
<td>29.10 ± 27.40</td>
<td>0.281</td>
<td>0.42</td>
</tr>
<tr>
<td>Average pain since last entry</td>
<td>20.63 ± 16.18</td>
<td>37.68 ± 22.39</td>
<td>&lt;0.001</td>
<td>0.87</td>
</tr>
<tr>
<td>Worst pain since last entry</td>
<td>30.29 ± 19.05</td>
<td>55.31 ± 25.98</td>
<td>&lt;0.001</td>
<td>1.10</td>
</tr>
</tbody>
</table>
Mighty Men: A Faith-Based Weight Loss Program

• A 6-month faith-based weight-loss intervention for obese African American men 35-74 years old
• The first weight loss intervention to include objective measures and technology tailored to the characteristics of individual African American men
• Being tested in four churches in Nashville, TN and four churches in Flint, Michigan

“One of the challenges with men is that social norms and expectations encourage them to prioritize their jobs and families over their own health. Putting weight loss in a cultural context of the church, with the social support that men get from their family and church, may help to get men to focus on their health.”

http://www.cancer.org/researchers/researchupdates/morelspiritualapproachtoweightlossforafricanamericanmen
Medical-Legal Partnership to Reduce Cancer Health Disparities

PI: Tracy Batagglia, MD, MPH Boston Medical Center

• Addressing the gap that threatens the ability of patient navigation to effectively eliminate cancer care delivery disparities

• Conducting a randomized controlled trial among newly diagnosed breast, colorectal and prostate cancer patients at a large safety net academic medical center to compare the effect of existing navigation with navigation enhanced by a medical legal partnership.

• Measuring improvements in clinical outcomes and quality of life, the ability of the intervention to reduce or eliminate legal barriers, and document costs.
<table>
<thead>
<tr>
<th>Grant Type</th>
<th>Eligibility</th>
<th>Window</th>
<th>Max Term</th>
<th>Max Award</th>
<th>Percent Effort</th>
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</thead>
<tbody>
<tr>
<td>PF Informal or Formal Fellowship</td>
<td>3 years</td>
<td></td>
<td>$48,000-$52,000/year</td>
<td>100%</td>
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<tr>
<td>MRSG Within first 4-years of initial faculty appointment</td>
<td>5 years</td>
<td></td>
<td>$135,000/year (+8% IDC)</td>
<td>60% minimum</td>
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<tr>
<td>RSG Within first 6-years of initial faculty appointment</td>
<td>4 years</td>
<td></td>
<td>$165,000/year (+20% IDC)</td>
<td>&gt; 0%</td>
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<tr>
<td>CCCDA Within first 10-years of initial faculty appointment</td>
<td>3 years</td>
<td></td>
<td>$100,000/year</td>
<td>50% minimum</td>
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<tr>
<td>PTACP Preventive medicine resident (PGY2+)</td>
<td>Preventive medicine resident (PGY2+)</td>
<td>$100,000 ($50,000/resident)</td>
<td>100%</td>
<td></td>
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Application Submission: April 1 and October 15