Irvin Cahen Research Grant Program
LSUHSC Department of Orthopedics

1) Eligibility criteria
   a. Topic related to musculoskeletal science
   b. Applicant is a medical student/orthopedic surgery resident/post doc/phd student (see #13 below) and is enrolled at LSU in good standing or
   c. Applicant is a faculty member of musculoskeletal research consortium or
   d. Applicant is a faculty member of LSUHSC orthopedics department

2) 3 judges (chair of department, chair of research, director of research consortium)
3) Unblinded
4) Proposal due May 1 by email to orthopedics department chair of research
5) Decision early June
6) Funding starts July 1
7) If repeat funding requested for additional year, a submitted abstract or extramural grant proposal is necessary prior to repeat funding application. The first project must be designed to have enough data to create an abstract for a peer reviewed meeting.
8) If additional funding needed in the middle of a project, an abstract must be submitted using existing data and explanation for need of extra funding
9) Comments about proposal returned to applicant
   a. Proposal may be put in deferred status. Applicant will have 7 days to respond to questions and/or concerns to secure funds in the same funding cycle.
10) Annual progress report/summary
    a. Summary of major findings
    b. List of abstracts/manuscripts/grant proposals submitted for peer review
11) Faculty up to $8k
12) Resident/student up to $4k
13) All resident/student/post doc/phd student projects must have a faculty sponsor
**Application Format (limit of 3 pages for sections 3-7)**

1. Title Page.
   a. Title of the research project
   b. Applicant information (name, degree, academic rank, campus address, e-mail address, telephone number)
   c. Is this a mid project request for additional funds?
   d. Is this a repeat request or new project?
   e. Signature of applicant with date
   f. For resident/student applicants, faculty sponsor name and signature with date
   g. Signature of department head with date

2. Abstract (<250 words)

3. Hypothesis and Specific Aims (The study hypothesis and the aims that will be accomplished to test the hypothesis)

4. Background and Rationale (Current state of the art and the new knowledge that will be obtained or unmet medical need that will be addressed)

5. Significance (The immediate and future impact of the results)

6. Innovation (How unique is this idea from current practice? What is novel about the research?)

7. Approach, anticipated outcomes, timeline

8. Research Support (Related to the proposed project). List all current and past research support (within last 5 y) by agency number, title, and total direct costs awarded. (for students/residents this may not apply)

9. NIH-style biographical sketch (see below. For students/residents this is meant to start building your research CV in a nationally recognized format.)

10. Institutional Letter of Support. All applicants should include a letter from the Department Head indicating that the investigator will have the necessary protected time to conduct the proposed research.

11. Budget and Justification (see template below). Funds are intended largely for consumable supplies, small equipment/software purchases and student worker support. Funds cannot be used for house officer or faculty salaries.

12. The LSUHSC Irvin Cahen research chair fund must be acknowledged in all published and presented work associated with the funding.
# Detailed Budget

FROM (Date)  
THROUGH (Date)

<table>
<thead>
<tr>
<th>Personnel (undergraduates only)</th>
<th>Dollar Amount Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAME</strong></td>
<td><strong>STUDENT WORKER HOURS</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PERMANENT EQUIPMENT (Itemize)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CONSUMABLE SUPPLIES (Itemize)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ANIMALS AND ANIMAL CARE (Purchase and Housing)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ALL OTHER EXPENSES (Itemize)</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Total Costs for Budget Period**

Budget Justification:
BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. DO NOT EXCEED FIVE PAGES.

NAME:

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE:

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

<table>
<thead>
<tr>
<th>INSTITUTION AND LOCATION</th>
<th>DEGREE (if applicable)</th>
<th>Completion Date MM/YYYY</th>
<th>FIELD OF STUDY</th>
</tr>
</thead>
</table>

NOTE: The Biographical Sketch may not exceed five pages. Follow the formats and instructions below.

A. Personal Statement

Briefly describe why you are well-suited for your role in the project described in this application. The relevant factors may include aspects of your training; your previous experimental work on this specific topic or related topics; your technical expertise; your collaborators or scientific environment; and your past performance in this or related fields (you may mention specific contributions to science that are not included in Section C). Also, you may identify up to four peer reviewed publications that specifically highlight your experience and qualifications for this project. If you wish to explain impediments to your past productivity, you may include a description of factors such as family care responsibilities, illness, disability, and active duty military service.

B. Positions and Honors

List in chronological order previous positions, concluding with the present position. List any honors. Include present membership on any Federal Government public advisory committee.

C. Contribution to Science

Briefly describe up to five of your most significant contributions to science. For each contribution, indicate the historical background that frames the scientific problem; the central finding(s); the
influence of the finding(s) on the progress of science or the application of those finding(s) to health or technology; and your specific role in the described work. For each of these contributions, reference up to four peer-reviewed publications or other non-publication research products (can include audio or video products; patents; data and research materials; databases; educational aids or curricula; instruments or equipment; models; protocols; and software or netware) that are relevant to the described contribution. The description of each contribution should be no longer than one half page including figures and citations. Also provide a URL to a full list of your published work as found in a publicly available digital database such as SciENcv or My Bibliography, which are maintained by the US National Library of Medicine.

D. Research Support (if applicable)

List both selected ongoing and completed research projects for the past three years (Federal or non-Federally-supported). *Begin with the projects that are most relevant to the research proposed in the application.* Briefly indicate the overall goals of the projects and responsibilities of the key person identified on the Biographical Sketch. Do not include number of person months or direct costs.
NAME: Hunt, Morgan Casey

eRA COMMONS USER NAME (credential, e.g., agency login): huntmc

POSITION TITLE: Associate Professor of Psychology

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

<table>
<thead>
<tr>
<th>INSTITUTION AND LOCATION</th>
<th>DEGREE</th>
<th>CompletionDate</th>
<th>FIELD OF STUDY</th>
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<tbody>
<tr>
<td>University of California, Berkeley</td>
<td>B.S</td>
<td>05/1990</td>
<td>Psychology</td>
</tr>
<tr>
<td>University of Vermont</td>
<td>Ph.D.</td>
<td>05/1996</td>
<td>Experimental Psychology</td>
</tr>
<tr>
<td>University of California, Berkeley</td>
<td>Postdoctoral</td>
<td>08/1998</td>
<td>Public Health and Epidemiology</td>
</tr>
</tbody>
</table>

A. Personal Statement

I have the expertise, leadership, training, expertise and motivation necessary to successfully carry out the proposed research project. I have a broad background in psychology, with specific training and expertise in ethnographic and survey research and secondary data analysis on psychological aspects of drug addiction. My research includes neuropsychological changes associated with addiction. As PI or co-Investigator on several university- and NIH-funded grants, I laid the groundwork for the proposed research by developing effective measures of disability, depression, and other psychosocial factors relevant to the aging substance abuser, and by establishing strong ties with community providers that will make it possible to recruit and track participants over time as documented in the following publications. In addition, I successfully administered the projects (e.g. staffing, research protections, budget), collaborated with other researchers, and produced several peer-reviewed publications from each project. As a result of these previous experiences, I am aware of the importance of frequent communication among project members and of constructing a realistic research plan, timeline, and budget. The current application builds logically on my prior work. During 2005-2006 my career was disrupted due to family obligations. However, upon returning to the field I immediately resumed my research projects and collaborations and successfully competed for NIH support.

B. Positions and Honors

**Positions and Employment**
- 1998-2000 Fellow, Division of Intramural Research, National Institute of Drug Abuse, Bethesda, MD
- 2000-2002 Lecturer, Department of Psychology, Middlebury College, Middlebury, VT
- 2001- Consultant, Coastal Psychological Services, San Francisco, CA
- 2002-2005 Assistant Professor, Department of Psychology, Washington University, St. Louis, MO
- 2007- Associate Professor, Department of Psychology, Washington University, St. Louis, MO

**Other Experience and Professional Memberships**
- 1995- Member, American Psychological Association
- 1998- Member, Gerontological Society of America
- 1998- Member, American Geriatrics Society
- 2000- Associate Editor, Psychology and Aging
- 2003- Board of Advisors, Senior Services of Eastern Missouri
- 2003-05 NIH Peer Review Committee: Psychobiology of Aging, ad hoc reviewer
- 2007-11 NIH Risk, Adult Addictions Study Section, members

**Honors**
- 2003 Outstanding Young Faculty Award, Washington University, St. Louis, MO
- 2004 Excellence in Teaching, Washington University, St. Louis, MO
- 2009 Award for Best in Interdisciplinary Ethnography, International Ethnographic Society

C. Contribution to Science

1. My early publications directly addressed the fact that substance abuse is often overlooked in older adults. However, because many older adults were raised during an era of increased drug and alcohol
use, there are reasons to believe that this will become an increasing issue as the population ages. These publications found that older adults appear in a variety of primary care settings or seek mental health providers to deal with emerging addiction problems. These publications document this emerging problem but guide primary care providers and geriatric mental health providers to recognize symptoms, assess the nature of the problem and apply the necessary interventions. By providing evidence and simple clinical approaches, this body of work has changed the standards of care for addicted older adults and will continue to provide assistance in relevant medical settings well into the future. I served as the primary investigator or co-investigator in all of these studies.


2. In addition to the contributions described above, with a team of collaborators, I directly documented the effectiveness of various intervention models for older substance abusers and demonstrated the importance of social support networks. These studies emphasized contextual factors in the etiology and maintenance of addictive disorders and the disruptive potential of networks in substance abuse treatment. This body of work also discusses the prevalence of alcohol, amphetamine, and opioid abuse in older adults and how networking approaches can be used to mitigate the effects of these disorders.


3. Methadone maintenance has been used to treat narcotics addicts for many years but I led research that has shown that over the long-term, those in methadone treatment view themselves negatively and they gradually begin to view treatment as an intrusion into normal life. Elderly narcotics users were shown in carefully constructed ethnographic studies to be especially responsive to tailored social support networks that allow them to eventually reduce their maintenance doses and move into other forms of therapy. These studies also demonstrate the policy and commercial implications associated with these findings.


**Complete List of Published Work in MyBibliography:**
[http://www.ncbi.nlm.nih.gov/sites/myncbi/collections/public/1PgT7IEFIAJBtGMRDdWFmJWAO/?sort=date&direction=ascending](http://www.ncbi.nlm.nih.gov/sites/myncbi/collections/public/1PgT7IEFIAJBtGMRDdWFmJWAO/?sort=date&direction=ascending)

**D. Research Support**

**Ongoing Research Support**

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<tr>
<th>Grant ID</th>
<th>PI</th>
<th>Title</th>
<th>Start Date</th>
<th>End Date</th>
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<tbody>
<tr>
<td>R01 DA942367</td>
<td>Hunt (PI)</td>
<td>Health trajectories and behavioral interventions among older substance abusers</td>
<td>09/01/08</td>
<td>08/31/16</td>
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<tr>
<td>R01 MH922731</td>
<td>Merryle (PI)</td>
<td>Physical disability, depression and substance abuse in the elderly</td>
<td>12/15/07</td>
<td>11/30/15</td>
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**Completed Research Support**

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<th>PI</th>
<th>Title</th>
<th>Start Date</th>
<th>End Date</th>
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</thead>
<tbody>
<tr>
<td>R21 AA998075</td>
<td>Hunt (PI)</td>
<td>Opiate Addiction Database</td>
<td>01/01/11-12/31/13</td>
<td></td>
</tr>
</tbody>
</table>
Community-based intervention for alcohol abuse

The goal of this project was to assess a community-based strategy for reducing alcohol abuse among older individuals.

Role: PI