# ASCEND & RCMI Research Pilot Project Program

**Instructions and Forms**

**Goals of the ASCEND Program:**

<http://www.morgan.edu/research_and_economic_development/ascend/faculty_development_opportunities.html>

The ASCEND Center for Biomedical Research at MSU has been funded by NIH to strengthen undergraduate education to improve students’ preparation for doctoral studies and their success in health-related research careers. An important component of this initiative is a commitment to improve the university’s research infrastructure and to advance faculty and campus research competitiveness and capacity. Successful and ongoing faculty programs are crucial for delivering relevant and excellent training to those undergraduates who seek professional careers in biomedical research.

* The **Pilot Research Grant Program provides awards of up to $20,000 (total direct costs) for up to 2 years**.
* These awards will allow faculty investigators to launch or reinitiate research projects, with a goal of generating preliminary data that will enhance the investigator’s chances of receiving external funding.
* The training of undergraduate research students is an important component of all aspects of ASCEND funding.

**Goals of the RCMI Program:** <https://www.morgan.edu/research_and_economic_development/rcmi/about_rcmimorgan.html>

The purpose of the Research Centers in Minority Institutions (RCMI) Program is to expand the national capacity for research in the health sciences by providing cooperative agreement support to institutions that offer doctorate degrees in the health professions or in a health-related science and have a historical and current commitment to educating underrepresented students, and for institutions that deliver health care, and provide clinical services to medically underserved communities. The primary goals of the RCMI specialized centers are to:

* Enhance institutional research capacity to conduct world-class basic biomedical, behavioral, and/or clinical research;
* Enable all levels of investigators to become more successful in obtaining competitive extramural support, especially from NIH, particularly for research on diseases and conditions that disproportionately impact minority and health disparity populations;
* Foster environments conducive to career development and enhancement for post-doctoral fellows, junior faculty, and other early stage investigators;
* Enhance the tools for, conduct of, and dissemination of research generally and specifically for advancing minority health and preventing and eliminating health disparities; and
* Establish sustainable relationships with community-based organizations that will partner with the RCMI Institution.

**RCMI pilot research grants** **provide funding of up to $50,000 (total direct costs) for up to two years;** for 1-year applications $30,000 is the maximum permitted budget.

**Award Features and Requirements:**

* All research topics must be health-related and must address the mission of NIH. In addition to proposals outlining basic science biomedical research, proposals that are interdisciplinary and/or community-based are strongly encouraged.
* All Principal Investigators (PIs) for the ASCEND mechanisms must have participated in a National Research Mentoring Network (NRMN) or MSU sponsored *hands-on* grant-writing workshop within the last 4 years. Participation in such a workshop for RCMI investigators is subject to their prior funding experience.
* Investigators who previously received pilot research grant funds are not eligible for further ASCEND funding;
* **Recipients of both ASCEND and RCMI must apply for external research funding (e.g. NIH, NSF, private foundations) within one year of the pilot project’s end date.**
* **Submission of a fully completed pre-application on November 25,2019 is a pre-requisite for eligibility to submit a pilot proposal for the January 22, 2020 deadline**. In this pre-application, the applicant had to provide evidence from the NIH RePORTER that one or more NIH institutes or centers support research on the proposal topic.
* ASCEND strongly encourages collaborations with faculty at our research partner universities (Johns Hopkins and the University of Maryland).
* Please note, the research pilot project grants are an NIH-funded initiative and thus will require NIH approval before funds can be distributed. Budgets must follow the same rules/spending limitations as federal grants.
* Allowable costs include:
* Research-related expenses [supplies, equipment (items >$5,000 each), participant incentives (i.e., human subjects payment), services, consultation costs].
* Domestic research-related travel necessary for data collection, investigator collaborations, or presentation of findings will be supported, but must be **well justified**. International travel expenses will NOT be funded.
* Funds cannot not be used for alterations and renovations or indirect costs.
* **Earliest Start Date (for both ASCEND and RCMI): July 1, 2020**
* **Proposal Due Date: *Wednesday January 22nd 2020 by 11:59 pm***

**Proposal Review:**

Applications will be evaluated and scored by reviewers external to MSU, with broad representation across biomedical research disciplines. ASCEND and RCMI will forward the highest scoring applications to NIH for funding approval. The number of funded applications will depend on the monies available for this initiative.

**Submission Method and Instructions:**

Submit the completed application and any other supporting documentation (IRB or IACUC Approval, Letters of Support, etc.) **in PDF format** to ascend@morgan.edu.

**Applications must follow ALL guidelines and instructions (in these forms and in the request for proposal, RFP) for funding consideration.**

**PLEASE NOTE, THAT APPLICATIONS WHICH DO NOT FOLLOW THESE INSTRUCTIONS OR WHICH ARE MISSING REQUESTED DOCUMENTATION WILL NOT BE REVIEWED AND ARE NOT CONSIDDERED FOR FUNDING**

## SUBMISSION INSTRUCTIONS

* Proposal Due Date: ***Wednesday January 22nd by 11:59 pm***

Submission Method: The proposal and any supporting documentation must be completed and submitted in **Word** or **PDF** formats to ascend@morgan.edu. It is recommended to request “Read Receipt” in the email

## APPLICATION INSTRUCTIONS

* Use Palatino, Georgia, Arial or Helvetica font.
* Font size should be 11 or 12
* Follow specific instructions for each section of the application. **However,** please delete the instructions (bulleted points) before submitting your final application.
* Ensure that Humans Subjects or Vertebrate Animal sections follow NIH guidelines.
* Do not exceed the page limits (e.g., 1 page for Specific Aims and 5 pages for Research Strategy).

For specific instructions please see: <https://grants.nih.gov/grants/how-to-apply-application-guide.html>

## CONTACTS

* Application questions should be directed to acquanette.pinchback@morgan.edu
* IRB and IACUC questions should be directed to Dr. Edet Isuk edet.isuk@morgan.edu.

**Application Package**

*Please fill out all indicated forms and attach all indicated documents*

## HEADER OF THE APPLICATION FORM

TITLE OF PROJECT (***Do not exceed 81 characters***, including spaces and punctuation.)

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| --- |
|  |

PRINCIPAL INVESTIGATOR eRA Commons Use Name

NAME (Last, first, middle) DEGREES *(Contact OSPR office if none)*

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POSITION TITLE DEPARTMENT COLLEGE

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TELEPHONE (WORK) TELEPHONE (MOBILE) FAX EMAIL

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HUMAN SUBJECTS RESEARCH [ ]  NO [ ]  YES

VERTEBRATE ANIMAL RESEARCH [ ]  NO [ ]  YES

If yes, please include IRB OR IACUC pending and/or approved protocols with the research proposal. Protocol must cover the scope of work proposed and the dates of the proposed period of support. Submission of human subjects research protocols to the Morgan State University and/or collaborating organization’s IRB/IACUC must occur on or before the March 1st 2020. *IRB or IACUC approval must be obtained before the application is forwarded to NIH for evaluation.*

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Date IRB/IACUC protocol submitted

DATES OF PROPOSED PERIOD OF COSTS REQUESTED FOR PROPOSED

SUPPORT (month, day, year – MM/DD/YY) PERIOD OF SUPPORT (see above for RSCEND/RCMI funding levels)

|  |  |  |
| --- | --- | --- |
| FROM0--/--/20 | THROUGH--/--/22 |  |

##  PROJECT SUMMARY

* Follow NIH instructions as posted
* Limit to 30 lines (approx. 250 words)
* Provide brief background and rationale
* State aims, objectives, or specific hypothesis
* Provide the methods of the project
* State implications of your project
* Include a statement as to how many undergraduates will be involved in this project. Also make a brief statement about your experience with mentoring undergraduates.

## PROJECT NARRATIVE (PUBLIC HEALTH RELEVANCE STATEMENT)

* Use non-technical language
* Statement should be understood by a general audience
* Limit to 3 sentences

|  |
| --- |
| **PROJECT/PERFORMANCE SITE LOCATIONS OTHER THAN MORGAN STATE (IF APPLICABLE)** |
| Organizational Name: |  |
| DUNS: |  |
| Street 1: |  | Street 2: |  |
| City: |  | County: |  |
| State: |  | Country: |  | Zip: |  |
| Project/Performance Site Congressional Districts: |  |

**INVESTIGATORS**

**Please include NIH Biosketches for all co-investigators, with the primary collaborator listed first**. *Biosketches must*

*follow the currently NIH mandated format and must be up to date.*

*All named project personnel must have an eRA commons ID at the time of submission to NIH.*

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| --- | --- | --- | --- | --- |
| NAME (Last, first, middle) | POSITION | DEPARTMENT | UNIVERSITY | eRA Commons User ID |
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## RESEARCH PLAN

*T****he specific aims section is one page. The rest of the research strategy may not exceed 5 pages (****not including the reference page, the project summary and project narrative)****.***

### **SPECIFIC AIMS (1 PAGE)**

* The specific aims should include broad long term goals and the specific objectives and hypotheses that will be examined, the predicted outcomes, and significance and implications of the research to the field.

**RESEARCH STRATEGY (NO MORE THAN 5 PAGES)**

### Background and Significance

* Review previous literature and emphasize relevant articles.
* Highlight the rationale for the research and the gaps in knowledge that this research will address.
* Restate the importance of the research to the scientific field and public health.

### Innovation

* Elaborate on the novelty and innovation of your research approach and methodology

### Approach and Impact

* Overview of the study design
* Description of methods and analyses
* Describe investigator(s) credentials and expertise to carry out the work
* Discussion of how specific aims will be accomplished
* Discussion of expected results
* Include timetable or work plan
* Discussion of potential difficulty and limitations and how they will be overcome and mitigated
* Include any preliminary data if applicable
* How you plan to disseminate your research results (e.g., through presentations and publications)

## REFERENCES CITED (Limit to 3 pages)

* Provide full citations for all literature referenced in the proposal.

## INVOLVING AND MENTORING UNDERGRADUATES

Please provide brief answers to the following questions; limit to 1 page.

* How many undergraduates, graduate students and faculty at Morgan will participate in the project if funded? (*note, although desirable, there is no requirement for participation of graduate students in pilot projects)*

### Provide a short statement regarding your *experience* with mentoring a diverse group of students in your relevant area of science.

### Provide a short statement regarding your history of presentation and publication of research results with students.

### Provide a short training plan for students participating in your project.

***Note: participation of undergraduate students in the project is mandatory for ASCEND pilot proposals!***

## PLANS FOR APPLYING FOR EXTERNAL FUNDING

Please provide a brief answer to the following questions; limit to 1/3 page.

* Provide specific avenues for seeking external funding in future (funding source or agency).

(Include agency name, anticipated deadlines, projected amount).

## EXPECTED IMPACT ON RESEARCH TRAINING CAPACITY AT MORGAN STATE UNIVERSITY

Please provide brief answers to the following questions; limit to 1 page.

### How will the research capacity and research training capacity of Morgan State University be affected if this project is funded?

### If applies, how will this project further the mission of ASCEND in preparing Morgan students for professional careers in biomedical research?

* If applies, how will this project further the mission of RCMI to develop an interdisciplinary approach to health disparities research at MSU?
* How are you planning to disseminate the results of the research from this pilot award at conferences and in publications?

### *We understand that the impact of a one-year or two-year project may be limited, but discuss long-term expectations if a continuation of the proposed research is funded independently.*

**RESOURCES**

* The information in this section will show reviewers that you and your colleagues are able to perform the studies you have described in the environment available to you here at Morgan and/or at collaborating institutions.
* Describe the general research facilities and infrastructure applicable to your project and any specific available equipment, computer resources (including software) or miscellaneous necessary resources. Describe relevant facilities at Morgan and at partner institutions.
* Describe the feasibility for completing the project in the current research environment.
* If applicable, include any letters of support with your application.

THROUGH

xx/xx/22

FROM

xx/xx/20

**DETAILED BUDGET FOR INITIAL BUDGET PERIOD DIRECT COSTS ONLY**

List PERSONNEL

Use Calendar, Academic or Summer to Enter Months Devoted to the Project

Enter Dollar Amounts Requested (omit cents) for Salary Requested and Fringe Benefits

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NAME | ROLE ON PROJECT | Cal. Mnths | Acad.Mnths | SummerMnths | INST. BASE SALARY | SALARYREQUESTED | FRINGEBENEFITS | TOTAL |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
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|  **SUBTOTALS** |  |  |  |

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| --- | --- |
| CONSULTANT COSTS | $ |
| EQUIPMENT *(itemize; only includes equipment that costs $5,000 or more* ***per item****)* | $ |
| SUPPLIES *(itemize by category)* | $ |
| TRAVEL | $ |
| OTHER EXPENSES *(Itemize by category)* | $ |
| **TOTAL DIRECT COSTS FOR BUDGET PERIOD** | **$**  |

## BUDGET JUSTIFICATION

* Provide narrative to justify all items in the budget
* Match the categories (and order) listed in the detailed budget
* Limit to 2 pages

## HUMAN SUBJECTS

*There is no page limit for this section. If not applicable, then* ***delete******Instructions*** *and write Not Applicable for each section.* ***Do not delete the subheadings.***

### Protection for Human Subjects

**Refer to section 4.1 (II-9)** in the Supplemental Instructions Part II of the PHS 398: [Supplemental Instructions for Preparing the Protection of Human Subjects Section of the Research Plan](http://grants.nih.gov/grants/funding/424/SupplementalInstructions.pdf) if the proposed research will involve human subjects.

If the proposed research will not involve human subjects but involves human specimens and/or data from subjects, applicants must provide a justification in this section for the claim that no human subjects are involved. Do not use the protection of human subjects section to circumvent the page limits of the Research Strategy.

### Inclusion of Women and Minorities

To determine if Inclusion of Women and Minorities applies to the application, **see sections 4.2 (II-12) and 5.6 (II-20)** in the Supplemental Instructions Part II of the PHS 398: [Supplemental Instructions for Preparing the Protection of Human Subjects Section of the Research Plan](http://grants.nih.gov/grants/funding/424/SupplementalInstructions.pdf)

### Inclusion of Children

To determine if Inclusion of Children applies to the application, **see sections 4.4 (II-16) and 5.7 (II- 21)** in the Supplemental Instructions Part II of the PHS 398: [Supplemental Instructions for Preparing the Protection of Human Subjects Section of the Research Plan](http://grants.nih.gov/grants/funding/424/SupplementalInstructions.pdf)

### Inclusion Enrollment Report

If this application involves human subjects, complete the Inclusion Enrollment Report form and attach it to the proposal submission.

* The form can be found at <https://grants.nih.gov/grants/forms/phs-inclusion-enrollment-report.htm>

## VERTEBRATE ANIMALS

*There is no page limit for this section. If not applicable, then* ***delete******Instructions*** *and write Not Applicable.* ***Do not delete the heading.***

If vertebrate animals will be used in the project, address each of the five points below. This section should be a concise, complete description of the animals and proposed procedures. While additional details may be included in the Research Strategy, the responses to the five required points below must be cohesive and include sufficient detail to allow evaluation by peer reviewers and NIH staff.

As Morgan State University currently does not have federal approval to operate a vertebrate animal housing facility and is not authorized to purchase or use vertebrate animals, all of the proposed research involving live vertebrate animals must take place at alternate collaborating sites that do have appropriate authorization. Please identify those sites and describe the animal procedures that will take place at those locations.

Although no specific page limitation applies to this section of the application, be succinct. Failure to address the following five points will result in the application being designated as incomplete and will be grounds for ASCEND and NIH to remove the application from the peer review round. Alternatively, the application's impact/priority score may be negatively affected.

The five points are as follows:

1. Provide a detailed description of the proposed use of the animals for the work outlined in the Research Strategy section. Identify the species, strains, ages, sex, and numbers of animals to be used in the proposed work.

2. Justify the use of animals, the choice of species, and the numbers to be used. If animals are in short supply, costly, or to be used in large numbers, provide an additional rationale for their selection and numbers.

3. Provide information on the veterinary care of the animals involved. This information will be available from partner institutions.

4. Describe the procedures for ensuring that discomfort, distress, pain, and injury will be limited to that which is unavoidable in the conduct of scientifically sound research. Describe the use of analgesic, anesthetic, and tranquilizing drugs and/or comfortable restraining devices, where appropriate, to minimize discomfort, distress, pain, and injury.

5. Describe any method of euthanasia to be used and the reason(s) for its selection. State whether this method is consistent with the recommendations of the American Veterinary Medical Association (AVMA) Guidelines on Euthanasia. If not, include a scientific justification for not following the recommendations.

For additional information, see <http://grants.nih.gov/grants/olaw/VASchecklist.pdf>.

Do not use the vertebrate animal section to circumvent the page limits of the Research Strategy.

**ATTACHMENTS**

[ ]  Certificate/other documentation of completed training in the responsible conduct of research

[ ]  Letters of support (as needed/if applicable)

[ ]  Other appendices – refer to the guidance as needed

OMB No. 0925-0001 and 0925-0002

OMB No. 0925-0001 and 0925-0002 (Rev. 09/17 Approved Through 03/31/2020)

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.)

| INSTITUTION AND LOCATION | DEGREE(if applicable) | Completion DateMM/YYYY | FIELD OF STUDY |
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**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(s) 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

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.

OMB No. 0925-0001 and 0925-0002 (Rev. 09/17 Approved Through 03/31/2020)

**EXAMPLE BIOGRAPHICAL SKETCH – Please delete before submitting**

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: 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.)*

| INSTITUTION AND LOCATION | DEGREE*(if applicable)* | Completion DateMM/YYYY | FIELD OF STUDY |
| --- | --- | --- | --- |
| University of California, Berkeley | B.S | 05/1990 | Psychology |
| University of Vermont | Ph.D. | 05/1996 | Experimental Psychology |
| University of California, Berkeley | Postdoctoral | 08/1998 | Public Health and Epidemiology |
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**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.

1. Merryle, R.J. & Hunt, M.C. (2004). Independent living, physical disability and substance abuse among the elderly. Psychology and Aging, 23(4), 10-22.
2. Hunt, M.C., Jensen, J.L. & Crenshaw, W. (2007). Substance abuse and mental health among community-dwelling elderly. International Journal of Geriatric Psychiatry, 24(9), 1124-1135.
3. Hunt, M.C., Wiechelt, S.A. & Merryle, R. (2008). Predicting the substance-abuse treatment needs of an aging population. American Journal of Public Health, 45(2), 236-245. PMCID: PMC9162292 Hunt, M.C., Newlin, D.B. & Fishbein, D. (2009). Brain imaging in methamphetamine abusers across the life-span. Gerontology, 46(3), 122-145.

**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.
	1. Gryczynski, J., Shaft, B.M., Merryle, R., & Hunt, M.C. (2002). Community based participatory research with late-life addicts. American Journal of Alcohol and Drug Abuse, 15(3), 222-238.
	2. Shaft, B.M., Hunt, M.C., Merryle, R., & Venturi, R. (2003). Policy implications of genetic transmission of alcohol and drug abuse in female nonusers. International Journal of Drug Policy, 30(5), 46-58.
	3. Hunt, M.C., Marks, A.E., Shaft, B.M., Merryle, R., & Jensen, J.L. (2004). Early-life family and community characteristics and late-life substance abuse. Journal of Applied Gerontology, 28(2),26-37.
	4. Hunt, M.C., Marks, A.E., Venturi, R., Crenshaw, W. & Ratonian, A. (2007). Community-based intervention strategies for reducing alcohol and drug abuse in the elderly. Addiction, 104(9), 1436-1606. PMCID: PMC9000292
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.
	1. Hunt, M.C., Merryle, R. & Jensen, J.L. (2005). The effect of social support networks on morbidity among elderly substance abusers. Journal of the American Geriatrics Society, 57(4), 15-23.
	2. Hunt, M.C., Pour, B., Marks, A.E., Merryle, R. & Jensen, J.L. (2005). Aging out of methadone treatment. American Journal of Alcohol and Drug Abuse, 15(6), 134-149.
	3. Merryle, R. & Hunt, M.C. (2007). Randomized clinical trial of cotinine in older nicotine addicts. Age and Ageing, 38(2), 9-23. PMCID: PMC9002364
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.

1. Hunt, M.C. & Jensen, J.L. (2003). Morbidity among elderly substance abusers. Journal of the Geriatrics, 60(4), 45-61.
2. Hunt, M.C. & Pour, B. (2004). Methadone treatment and personal assessment. Journal Drug Abuse, 45(5), 15-26.
3. Merryle, R. & Hunt, M.C. (2005). The use of various nicotine delivery systems by older nicotine addicts. Journal of Ageing, 54(1), 24-41. PMCID: PMC9112304
4. Hunt, M.C., Jensen, J.L. & Merryle, R. (2008). The aging addict: ethnographic profiles of the elderly drug user. NY, NY: W. W. Norton & Company.

**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**

R01 DA942367 Hunt (PI) 09/01/08-08/31/16

Health trajectories and behavioral interventions among older substance abusers

The goal of this study is to compare the effects of two substance abuse interventions on health outcomes in an urban population of older opiate addicts.

Role: PI

R01 MH922731 Merryle (PI) 12/15/07-11/30/15

Physical disability, depression and substance abuse in the elderly

The goal of this study is to identify disability and depression trajectories and demographic factors associated with substance abuse in an independently-living elderly population.

Role: Co-Investigator

Faculty Resources Grant, Washington University 08/15/09-08/14/15

Opiate Addiction Database

The goal of this project is to create an integrated database of demographic, social and biomedical information for homeless opiate abusers in two urban Missouri locations, using a number of state and local data sources.

Role: PI

**Completed Research Support**

R21 AA998075 Hunt (PI) 01/01/11-12/31/13

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