Sigma Theta Tau International

Zeta Pi Chapter

Evidence-based Practice/Research Project Grant Application

2019 Proposal Guidelines

Defined: Research utilization and Evidence-based practice (EBP) involves the application of research findings to clinical practice, including an evaluation of the change in practice on patient, staff, and/or practice outcomes. Before project findings can be utilized, a critique and synthesis of the available literature is required.

Directions: Applicant must be a national member of Sigma Theta Tau International and a member of the Zeta Pi Chapter. Use Times New Roman 12-point font, and 1-inch margins. Follow APA guidelines (6th ed.) for documentation. Address the following criteria in up to ten double-spaced pages, excluding the reference pages.

1. Title and Abstract:

A title page and one hundred-word abstract are to accompany the proposal. The abstract should include the problem, research question and hypothesis or aim (for evidence-based projects), the specific factors or variables and their measurements, the population/setting/sample description, and a statement of the design and plan for analysis.

1. Proposal:

The following areas are to be included in a 10-page, double-spaced proposal excluding references (see next page). Use a 12-point Times New Roman font, using 1-inch margins on all four sides. Follow American Psychological Association (APA) (6th ed.) for documentation.

1. Deadline: **Monday, April 1, 2019 at 11:59 p.m/November 4, 2019 at 11:59pm.**

Please submit the proposal, accompanying documents, and agreement to: Dr. Faith Strunk, PhD, RN,

FNP-BC at [Faith.A.Strunk@uth.tmc.edu](mailto:Faith.A.Strunk@uth.tmc.edu)

**Part I. The Problem**

1. State the problem or research question
2. State concisely what the project described is intended to accomplish, stating the aim, and/or what hypothesis(es) is (are) to be tested.
3. Definitions of variables. Theoretical and operational definitions (instruments)
4. Theoretical framework and population/setting

**Part II. Significance**

1. Provide the background of your proposal. Include a brief critique and synthesis of the research knowledge base to be used to implement a change in practice. . Specify the gaps this project is intended to fill, and the importance of the project in terms of contribution to nursing.
2. Describe the potential impact this change could have on patient, staff, or practice outcomes.

**Part III. Methodology**

1. Design
2. Instrument reliability and validity or measures for bias control, if applicable
3. Data collection procedure. Include official human subjects reviews if conducted and a consent form, if required
4. Sample, size and sampling procedure for research questions or population for applications of Evidence Based Practice
5. Method of analysis

**Part IV. Bibliography and Appendixes**

1. Reference list (use APA format) (not included in page count)
2. Include letters, forms and instruments in the appendixes
3. Investigator(s) 4-page NIH biosketch
4. Advisor biosketch
5. IRB Letter of Submission/Approval
6. Site Letter of consent

**Part V. Budget (Detail the amount requested and justify.)**

**\*\*No indirect funds will be provided\*\***

1. Personnel
2. Supplies
3. Equipment
4. Travel for data collection
5. Other

**Part VI. Timeline for project**

**Advice to keep in mind as you put your project proposal together:**

1. Is the problem statement logical and appropriately conceptualized, including the aims/research question(s)?

2. Is the framework appropriate for the study and well delineated?

3. Is the significance of the project clear, in relation to the need for research in this area, clear? Is the literature review clear, concise, complete and linked to the significance of the problem?

4. Are all terms adequately defined or described?

5. Are the sampling procedures appropriate, adequate, and feasible?

6. Are the data collection procedures appropriate, adequate, and feasible?

7. Does the study design or the implementation plan correspond logically with the purpose of the project?

8. Has the investigator adequately addressed any instruments used in the project, including the reliability and validity of the instruments, or adequate plans for bias control?

9. Are plans for data analysis appropriate?

10. Are human and animal subjects protected?

11. Are all items in the budget realistic and justified?

12. Is the typed proposal well written and grammatically correct?

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Evidence-based Practice/Research Project Grant Application

1. Date:
2. Project Title:
3. Project Leader/Principal Investigator:

Home address:

City, State, Zip:

Phones: Work Home

1. Registered Nurse in State(s) of Texas? Yes No
2. Sigma Theta Tau Zeta Pi Chapter member \_\_\_\_\_\_ Yes \_\_\_\_\_\_ No
3. Previous Sigma Theta Tau Research Awards:

None:

Chapter:

National:

1. Have you applied for or are you now receiving support for this project? \_\_\_\_ Yes \_\_\_ No

If yes, list agency: amount requested: $ \_\_\_\_\_\_\_\_\_\_\_\_\_

1. Co-Investigator/Leader(s) ? \_\_\_\_\_\_ yes \_\_\_\_\_\_ no If yes, attach Biosketch(s)

Name:

Address:

Phone:

Name:

Address:

Phone:

1. Information completed by student(s)

Degree sought: Expected date:

Name of Advisor and academic credentials (Please attach a 2-page

Biosketch listing qualifications.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please include letter from advisor in Part III of the proposal.

1. Total amount of budget requested in U.S. dollars: $
2. Please check the materials accompanying this application:

\_\_\_\_\_\_ IRB letter of submission/approval

\_\_\_\_\_\_ Letter from site of implementation consenting to the project

\_\_\_\_\_\_ Typewritten proposal

NIH biosketch (Copy and paste this link to access a template for the NIH biosketch: <http://grants.nih.gov/grants/funding/phs398/biosketch.pdf> )

Biosketch of Research Advisor

Advisor letter (if applicable)

\_\_\_\_\_\_ Grant award agreement

This section to be completed by the Chapter

1. Approval Date:

B. Award Granted: $

Chapter Research Committee Chairperson Signature

1. Progress Reports: \_\_\_\_\_ date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ Study completion (date) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

$ Monies used $ Monies returned

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Evidence-based Practice/Research Project Grant Application

Proposal Review Form

Grant proposals will be reviewed using the criteria below:

|  |
| --- |
| **Overall Impact**: What is the overall impact of the project in terms of its likelihood to improve patient care, nursing practice, and to advance the science of nursing? What are the major strengths and weaknesses of the application? The overall impact is based on all review criteria; however the application does not need to be strong in all categories to be judged likely to have a high overall impact. SCORE \_\_\_\_ |
|  |

|  |
| --- |
| **Significance**: Does the project address an important problem or answer a critical question? Assuming that the aims of the project are achieved, how will the project contribute to scientific knowledge, technical capability, nursing theory, and/or improvements in health care and nursing practice? Does the proposal address ways in which the project will contribute to significant change in conceptualization, methodology, technology, intervention or treatment within the field of research? SCORE \_\_\_\_ |
| **Strengths**  **Weaknesses** |

|  |
| --- |
| **Investigator(s)**: Are the PIs, Co-PIs/Investigators, Co-Authors, or collaborators well suited to carry out the proposed project? If investigators are in the early stages of their careers, do they have appropriate experience and training to conduct the study/project? If established in their careers, have they demonstrated an ongoing record of accomplishment that has advanced their field(s) of study? If the project is collaborative or multi-PI, do the PIs have complementary and integrated expertise? SCORE \_\_\_\_ |
| **Strengths**  **Weaknesses** |

|  |
| --- |
| **Innovation**: Does the application challenge or seek to shift research or clinical practice paradigms by utilizing novel theoretical concepts/frameworks, approaches or methodologies, instrumentation, or interventions? Does the proposed research/project offer refinements and/or advantages over existing approaches, methodologies, measurement or interventions? SCORE \_\_\_\_ |
| **Strengths**  **Weaknesses** |

|  |
| --- |
| **Approach**: Are the overall strategy, methodology, and analysis plan well-reasoned and appropriate to accomplish the specific project aims? Are strategies for collecting, analyzing, and interpreting data, potential problems, and/or limitations addressed? Is human subject and/or animal protection adequate and appropriate? SCORE \_\_\_\_ |
| **Strengths**  **Weaknesses** |

|  |
| --- |
| **Environment**: Will the environment in which the work will be done contribute to the project’s likelihood for success? Are appropriate collaborative arrangements, departmental support, equipment, and other physical resources available and adequate for the proposed project? SCORE \_\_\_\_ |
| **Strengths**  **Weaknesses** |

|  |
| --- |
| **Budget**: Is the budget and the requested period of support fully justified and reasonable, in relation to the proposed research study/project? SCORE \_\_\_\_ |
| **Strengths**  **Weaknesses** |

**Scoring will be as follows:**

1. Excellent – Extremely strong without weaknesses
2. Very Good – Very strong with minimal weaknesses
3. Good – Strong with at least one moderate weakness
4. Fair – A few strengths with a few major weaknesses
5. Poor – Very few strengths and several major weaknesses

Sigma Theta Tau International

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# Evidence-based Practice/Research Project

# 2019 Grant Award Agreement

If my proposal is approved for funding, I agree to:

1. Accept responsibility for the scientific conduct of this study/project.
2. Expend the funds as described in the proposal and return unused funds to the treasurer of Zeta Pi Chapter.
3. Submit a progress report (every quarter) until the project is complete.
4. Send a written final copy of the critique and synthesis of the evidence-based practice/research project upon completion.
5. Acknowledge the grant support of Zeta Pi Chapter of Sigma Theta Tau International in the publication or presentation of the project findings.
6. Publish or present the findings of the project in a program sponsored by Zeta Pi Chapter, if invited to do so.
7. Serve on one Zeta Pi Chapter committee for a period of at least one year, if invited to do so.

Title of Project:

Expected date of final report:

Date Signed:

Principal Investigator Signature:

Address:

Co-investigator/leader Signature(s): \_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Addresses:

Example of NIH Biosketch

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BIOGRAPHICAL SKETCH**  Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person.  **DO NOT EXCEED FOUR PAGES.** | | | | |
|  | | | | |
| NAME | | POSITION TITLE | | |
| eRA COMMONS USER NAME (credential, e.g., agency login) | |
| EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)* | | | | |
| INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | | MM/YY | FIELD OF STUDY |
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**NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions below.**

**A. Personal Statement**

Briefly describe why your experience and qualifications make you particularly well-suited for your role (e.g., PD/PI, mentor, participating faculty) in the project that is the subject of the application. Within this section you may, if you choose, briefly describe factors such as family care responsibilities, illness, disability, and active duty military service that may have affected your scientific advancement or productivity.

**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. Selected Peer-reviewed Publications**

NIH encourages applicants to limit the list of selected peer-reviewed publications or manuscripts in press to no more than 15. Do not include manuscripts submitted or in preparation. The individual may choose to include selected publications based on recency, importance to the field, and/or relevance to the proposed research. When citing articles that fall under the Public Access Policy, were authored or co-authored by the applicant and arose from NIH support, provide the NIH Manuscript Submission reference number (e.g., NIHMS97531) or the PubMed Central (PMC) reference number (e.g., PMCID234567) for each article. If the PMCID is not yet available because the Journal submits articles directly to PMC on behalf of their authors, indicate "PMC Journal - In Process." A list of these Journals is posted at: <http://publicaccess.nih.gov/submit_process_journals.htm>. Citations that are not covered by the Public Access Policy, but are publicly available in a free, online format may include URLs or PMCID numbers along with the full reference (note that copies of publicly available publications are not accepted as appendix material.)

**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.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BIOGRAPHICAL SKETCH**  Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person.  **DO NOT EXCEED FOUR PAGES.** | | | | |
|  | | | | |
| NAME  Hunt, Morgan Casey | | POSITION TITLE  Associate Professor of Psychology | | |
| eRA COMMONS USER NAME (credential, e.g., agency login)  huntmc | |
| EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)* | | | | |
| INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | | MM/YY | FIELD OF STUDY |
| University of California, Berkeley | B.S. | | 05/90 | Psychology |
| University of Vermont | Ph.D. | | 05/96 | Experimental Psychology |
| University of California, Berkeley | Postdoctoral | | 08/98 | Public Health and Epidemiology |
|  |  | |  |  |
|  |  | |  |  |

**A. Personal Statement**

The goal of the proposed research is to investigate the interaction between drug abuse and normal aging processes. Specifically, we plan to measure changes in cognitive ability and mental and physical health across a five-year period in a group of older drug users and matched controls. I have the expertise, leadership and motivation necessary to successfully carry out the proposed work. I have a broad background in psychology, with specific training and expertise in key research areas for this application. As a postdoctoral fellow at Berkeley, I carried out ethnographic and survey research and secondary data analysis on psychological aspects of drug addiction. At the Division of Intramural Research at the National Institute on Drug Abuse (NIDA), I expanded my research to include 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. 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, and I have chosen co-investigators (Drs. Gryczynski and Newlin) who provide additional expertise in cognition, gerontology and geriatrics. 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. In summary, I have a demonstrated record of accomplished and productive research projects in an area of high relevance for our aging population, and my expertise and experience have prepared me to lead the proposed project.

**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, member

**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. Selected Peer-reviewed Publications** (Selected from 42 peer-reviewed publications)

**Most relevant to the current application**

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
4. Hunt, M.C., Newlin, D.B. & Fishbein, D. (2009). Brain imaging in methamphetamine abusers across the life-span. Gerontology, 46(3), 122-145.
5. Hunt, M.C. & Sher, K.A. (2009). Successful intervention models for older drug-abusers: Research across the life-span. American Psychologist, in press. NIHMSID: NIHMS99135

**Additional recent publications of importance to the field (in chronological order)**

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., 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.
5. 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.
6. 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
7. Merryle, R. & Hunt, M.C. (2007). Randomized clinical trial of cotinine in older nicotine addicts. Age and Ageing, 38(2), 9-23. PMCID: PMC9002364
8. 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.
9. Hunt, M.C. (2009). Contrasting ethnicity with race in the older alcoholic. The Journals of Gerontology Series B: Psychological Sciences and Social Sciences, in press. PMCID: PMC Journal – In Process.
10. Hunt, M.C. (2009). Intervening successfully with the older methadone patient. Journal of Applied Gerontology, 13(4), 67-79.

**D. Research Support**

**Ongoing Research Support**

R01 DA942367-03 Hunt (PI) 09/01/08-08/31/13

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 MH922731-05 Merryle (PI) 12/15/07-11/30/12

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 08/15/09-08/14/11

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.

**Completed Research Support**

K02 AG442898 Hunt (PI) 02/01/02-01/31/05

Drug Abuse in the Elderly

Independent Scientist Award: to develop a drug addiction research program with a focus on substance abuse among the elderly.

Role: PI

R21 AA998075 Hunt (PI) 01/01/02-12/31/04

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