Greetings Grant Writing Workshop Participant,

Welcome to the Mountain West CTR-IN Program’s 2022 Grant Writing Workshop (GWW), brought to you by the Professional Development (PD) Core. We are delighted to have you on-board as we explore our theme this year, “Preparing and Revising Competitive Clinical & Translational Research Grants.”

Please note, all of the materials that you will need for the GWW (November 16, 2022) have been provided to you at no cost. For fully registered participants, we will provide an updated National Institutes of Health (NIH) Grant Writing Workbook to use during the workshop.

For the best experience, we highly recommend the following:

1.) Please attend our workshop on time. (Please reference the provided GWW Agenda + Venue Maps)
   Our venue for this edition of our workshop is below:
   
   JW Marriott Resort
   221 N. Rampart Blvd.
   Las Vegas, NV 89142

2.) Follow the time as established in the Grant Writing Workshop Agenda. Participants who have submitted documents for review, you are assigned a breakout session, please follow the Breakout Sessions Scripts for your assignments and mentor partners. For all other participants, you are welcome to attend the sessions as informational sessions if you wish.

3.) We value your participation. Please let your workshop presenter know if you have any questions.

4.) We value your feedback and greatly appreciate you completing a short online Post-Workshop Survey, which will be emailed to you at the conclusion of the workshop on November 16, 2022. (Exclusive access to download all Workshop Slide PDF(s) from the Mountain West CTR-IN Portal will be provided upon completion of our online Post-Workshop Survey, please check your email at the conclusion of the workshop)

5.) For any general workshop questions or support, please don’t hesitate to get in touch with the following personnel:
   - Ruben Dagda, PhD – MW CTR-IN Program - PD Core Associate Director and Grant Writing Workshop Director
     o R.Dagda@med.unr.edu
   - Joseph Guerrero Lopez, BS – MW CTR-IN Program - Project Coordinator
     o Joseph.GuerreroLopez@unlv.edu
   - Kathrene Conway, BA – MW CTR-IN Program Portal – Software Engineer
     o kathrene.Conway@umontana.edu

Thank you for attending our grant writing workshop and for your valued participation!

Sincerely,

The Mountain West CTR-IN Professional Development (PD) Core Leadership & Grant Writing Workshop Moderators/Mentors
Mountain West CTR-IN Portal Account Registration is required to access the resources below, please register at:
https://ctrin.health.umt.edu/public/login

Submit a PD Core Intake Form
https://ctrin.health.umt.edu/public/createdpconsult

DIAMOND Training
https://ctrin.health.umt.edu/public/trainingstopic2/PD/Blue%20Ribbon%20-%20Special%20Section

Advance To Funding (ATF) Program
https://ctrin.unlv.edu/advance-to-funding-atf-program/

Grant Writing Workshop (GWW) Program
https://ctrin.unlv.edu/gww-4/grant-writing-workshops/

External Certificates
https://ctrin.health.umt.edu/public/trainingstopic2/PD/EXTERNAL%20CERTIFICATES

Faculty Mentor Development Program (FMDP)
https://ctrin.unlv.edu/pd-core-mentoring-program/

Clinical & Translational Research (CTR) Opportunities
https://ctrin.health.umt.edu/public/trainingstopic2/PD/CURRENT%20RESEARCH%20UPDATES%20%20NEWS

Research Education Resource Short Courses
https://ctrin.health.umt.edu/public/trainingstopic2/PD/RESOURCE%20SHORT%20COURSES
2022 GRANT WRITING WORKSHOP

Theme: “Preparing and Revising Competitive Clinical & Translational Research Grants”

DATE: Wednesday, November 16th, 2022
TIME: 10:30 am - 5:00 pm, Pacific Time
LOCATION: In-Person / JW Marriott Las Vegas Resort & Spa, Las Vegas, NV (CATALUNA ROOM) – Please look for the GWW in the conference center map

OBJECTIVES:

1. Prepare current & potential Principal Investigators (PIs, current and unsuccessful Pilot Grant Awardees) from Mountain West CTR-IN affiliated universities to write grants focused on clinical translational research, or community engagement research.

2. Inform the PIs on NIH updates on grant applications and new FOAs.

SPEAKERS & CONSULTANTS:

**Ruben Dagda, PhD**
Associate Director, Professional Development (PD) Core, MW CTR-IN
Chair, Grant Writing Workshops (GWW), PD Core, MW CTR-IN
Chair, Advance to Funding (ATF) Program, PD Core, MW CTR-IN
Associate Professor, Department of Pharmacology, University of Nevada Reno

**Larissa Myaskovsky, PhD, FAST**
Director, Professional Development (PD) Core, MW CTR-IN
Professor, University of New Mexico, School of Medicine
Director, Ambassador Translational Research in Progress (ATRIP) Program, MW CTR-IN
Director, Center for Healthcare Equity in Kidney Disease (CHEK-D), UNM HSC

**Lauren Lessard, PhD, MPH**
Core Faculty, Biostatistics and Epidemiology Research Development (BERD) Core, MW CTR-IN
Associate Professor, Institute for Circumpolar Health Studies
University of Alaska, Anchorage

**Juli Petereit, PhD**
Co-Director, Biostatistics, Epidemiology, & Research Design (BERD) Core, MW CTR-IN
Director of Bioinformatics, University of Nevada, Reno

**Akshay Sood, MD, MPH**
Associate Director - Mentoring Unit, PD Core, MW CTR-IN
Professor and Miners' Colfax Medical Center Endowed Chair in Mining-Related Lung Diseases
Medical Director, Miners' Wellness Tele-ECHO Clinic
Assistant Dean, Mentoring & Faculty Retention, UNM SOM Office of Faculty Affairs & Career Development

**Tony Ward, PhD**
Director, Community Engagement & Outreach (CEO) Core, MW CTR-IN
Professor and Chair, University of Montana, School of Public and Community Health Sciences
# 2022 Grant Writing Workshop Agenda

| I. | Introductory Remarks and Overview of the Grant Writing Process  
The Do’s and Don’ts of Writing Grants  
Ruben Dagda, PhD | 10:30 - 11:00 am  
(30 mins.) |
|---|---|---|
| II. | Writing a Competitive Specific Aims Page + Important Elements  
Akshay Sood, MD, MPH | 11:00 - 11:40 am  
(40 mins.) |
| III. | \textbf{BREAKOUT SESSION ONE:}  
Ruben Dagda, PhD & Akshay Sood, MD, MPH  
Workshopping the Specific Aims (SA) Page + Identify Strengths & Weaknesses in the SA Page  
- Participants are expected to break out in groups of three-four:  
  1. Present their Specific Aims (SA)  
  2. Get feedback from the PD Core Team in an interactive discussion | 11:40 - 12:30 pm  
(50 mins.) |
| IV. | \textit{Lunch Break} - Follow up and discussion on identifying strengths and weaknesses on the SA page | 12:30 - 1:00 pm  
(30 mins.) |
| V. | Significance and Innovation  
Larissa Myaskovsky, PhD, FAST | 1:00 - 1:40 pm  
(40 mins.) |
| VI. | Conducting appropriate biostatistical analysis of your preliminary data and/or developing an appropriate analysis plan for your application (Reproducibility/Data Management Plan)  
Lauren Lessard, PhD, MPH | 1:40 - 2:30 pm  
(50 mins.) |
| VII. | How to write an organized & compelling Research Approach Section and Preliminary Figures  
Ruben K. Dagda, PhD | 2:30 - 3:10 pm  
(40 mins.) |
| VIII. | \textbf{BREAKOUT SESSION TWO:}  
Ruben Dagda, PhD & Larissa Myaskovsky, PhD, FAST  
Workshopping the Research Approach, Data Analysis Plan, and Figures  
- Participants are expected to break out in groups of three-four:  
  1. Present their Research Approach Outline and preliminary figures  
  2. Get feedback from the PD and BERD Core Team in an interactive discussion | 3:20 - 4:00 pm  
(40 mins.) |
| IX. | Talking to your Program Official & Identifying the Appropriate Study Sections for your Proposal  
Ruben K. Dagda, PhD | 4:00 - 4:20 pm  
(20 mins.) |
| X. | How to Successfully Engage the Community  
Tony Ward, PhD | 4:20 - 4:50 pm  
(30 mins.) |
| XI. | Closing Remarks, Plans and Follow up (Post-evaluation) | 4:50 - 5:00 pm  
(10 mins.) |
Nevada Gaming Regulations states that anyone under the age of 21 may not loiter in a gaming area. Authorized walkways are noted with a green dashed line.
Please use the escalators or elevator to get to the 2nd floor.
BREAKOUT SESSION #1
“WORKSHOPPING THE SPECIFIC AIMS (SA) PAGE + IDENTIFYING STRENGTHS & WEAKNESSES IN THE SA PAGE”

40 MINUTES TOTAL
(Considerations for 2 rounds, 3 people per meeting)

OBJECTIVE: Polish workshop participants’ Specific Aims (SA) Page.

PREMISE: Moderators will provide a review of their assigned Participants’ assigned Specific Aims page (Review is completed prior to the workshop but released after the meeting). Participants will receive feedback from the Moderators (MW CTR-IN Leadership) as well as from other Participants on “Best practices to develop a SA page”.

INSTRUCTIONS:
1. Participants will be divided into breakout sessions for two rounds (20 minutes each). Each team will consist of three Participants who will comment on each other’s SA page, and the Moderator. Make sure to follow the recommendations from Dr. Sood (objective, hypothesis, prelim data, mention of team strengths, approach details for each aim, impact statement).

2. The Moderator(s) will be present in each breakout session to guide fruitful interactions and ensure each Participant review each other’s SA page in a timely manner.

3. The Participants will then switch specific aims pages one more time for a second round (two rounds total) of reviewing Participants’ SA page.

4. Participants will then go back to the main room to talk about the experience. Participants will use the combined feedback to improve their respective SA page after the GWW and make sure it aligns with the approach.

ASSIGNMENTS

<table>
<thead>
<tr>
<th>PARTICIPANTS</th>
<th>MODERATORS</th>
<th>DIRECTIONS</th>
<th>TOTAL TIME LIMIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mina Attin, PhD, Ezra Holston, PhD, MSN, BA, MD Fitrat Hossain, PhD</td>
<td>Akshay Sood, MD, MPH</td>
<td>1.) Review each other’s SA Page for (10 minutes)</td>
<td>11:40 am - 12:30 pm (50 Minutes)</td>
</tr>
<tr>
<td>Nirmala Lekhak, PhD, Clariana Ramos de Oliveira, PhD, MSc, RN, Shengjie Zhai, PhD, Kristin Van De Griend, PhD, MPH</td>
<td>Ruben Dagda, PhD</td>
<td>2.) Provide feedback for (10 minutes)</td>
<td></td>
</tr>
<tr>
<td>Yuri Yoshida, PT, PhD, Xiang Xue, PhD, Craig Ulrich, PhD</td>
<td>Larissa Myaskovsky, PhD</td>
<td>3) Do this twice for each participant’s SA page *For two rounds</td>
<td></td>
</tr>
</tbody>
</table>
**OBJECTIVE:** Get individual feedback on the participant’s research plans on formatting, biostatistical support and community engagement.

**PREMISE:** Moderators will be sitting in on three work stations to provide 15 minute consultations on each of the participant’s needs including general formatting and structure of the research approach, questions on IRB, human subject enrollment and inclusion/exclusion criteria, formatting of preliminary data figures and presentation, collaborations/teams and on community engagement. Please follow the guidelines regarding best practices on developing a research plan (presentation by Dr. Dagda). Participants will receive feedback from the Moderators (MW CTR-IN Leadership) for all three aforementioned topics.

**INSTRUCTIONS:**
1. Participants will have the opportunity to visit three workstations for 15 minutes based on their group assignments for two rounds. Each group will have the opportunity to get consultation on general formatting of the research approach and human subject/IRB compliance (workstation #1), biostatistical support (workstation #2) and on community engagement (workstation #3).

2. GWW participants will be switched to workstation based on their group after the first 15 minutes. In addition to getting consultation on their research approach, the moderators will make sure that the research plan aligns with the participant’s SA pages.

3. All participants will then break away and talk about their experience and provide feedback. Participants will use the combined feedback to improve the SA page after the GWW and make sure it aligns with the research pla

<table>
<thead>
<tr>
<th>ASSIGNMENTS (3 rounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GROUP 1</strong></td>
</tr>
<tr>
<td><strong>PARTICIPANTS</strong></td>
</tr>
<tr>
<td>Mina Attin, PhD</td>
</tr>
<tr>
<td>Ezra Holston, PhD, MSN, BA</td>
</tr>
<tr>
<td>MD Fitrat Hossain, PhD</td>
</tr>
<tr>
<td>Larissa Myaskovsky, PhD</td>
</tr>
<tr>
<td><strong>GROUP 2</strong></td>
</tr>
<tr>
<td>Nirmala Lekhak, PhD</td>
</tr>
<tr>
<td>Clariana Ramos de Oliveira, PhD, MSc, RN</td>
</tr>
<tr>
<td>Shengjie Zhai, PhD</td>
</tr>
<tr>
<td>Kristin Van De Griend, PhD, MPH</td>
</tr>
<tr>
<td><strong>GROUP 3</strong></td>
</tr>
<tr>
<td>Yuri Yoshida, PT, PhD</td>
</tr>
<tr>
<td>Xiang Xue, PhD</td>
</tr>
</tbody>
</table>