

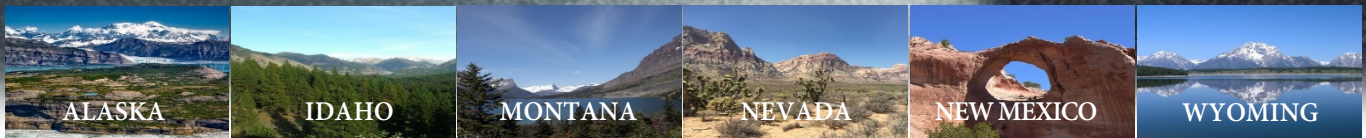
Grant Writing Workshop (Advanced Level)

*Preparing and Revising Competitive
Clinical & Translational Research Grants*

Final Results Handbook

November 16, 2022

JW Marriott Resort – Las Vegas, NV



UNLV SCHOOL OF PUBLIC HEALTH, 4700 S. MARYLAND PARKWAY, LAS VEGAS, NV 89119-3063 • CTRIN.UNLV.EDU



MOUNTAIN WEST CTR-IN

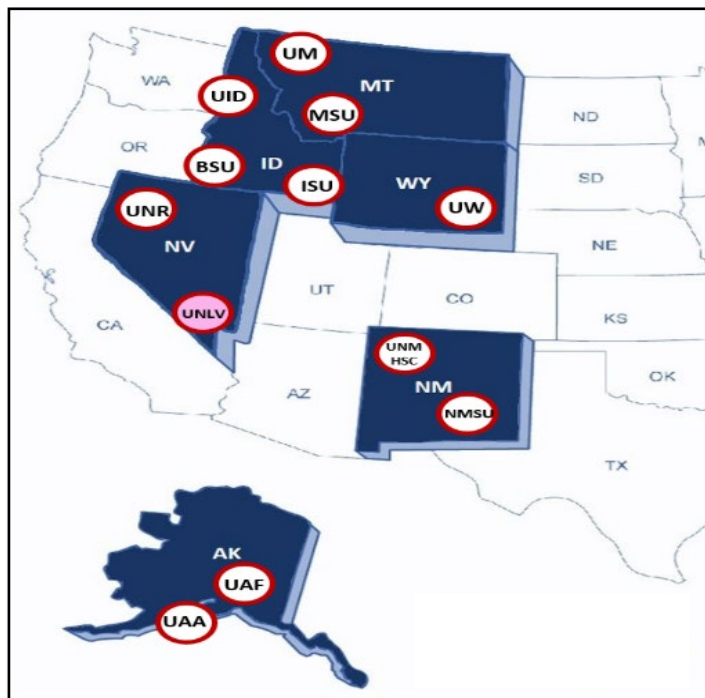
Clinical Translational Research Infrastructure Network

**PRESENTED BY THE
PROFESSIONAL DEVELOPMENT (PD) CORE**



MW CTR-IN OVERVIEW

The Mountain West Clinical & Translational Research Infrastructure Network (MW CTR-IN) Program provides funding support and resources to help faculty at our 13 Mountain West Partner Universities interested in clinical and translational research, become more competitive for extramural funding with the aim of improving the health of the residents of the MW region.



GRANT WRITING WORKSHOP (GWW) PROGRAM LEADERSHIP & STAFF



Larissa Myaskovsky, PhD, FAST
Director, PD Core
ATRIP Program Director, PD Core
University of New Mexico –
Health Sciences Center



Ruben Dagda, PhD
Associate Director, PD Core
Chair, Advance To Funding (ATF) Program
Chair, Grant Writing Workshop (GWW) Program
University of Nevada, Reno



Akshay Sood, MD, PhD
Associate Director, PD Core –
NRMN Mentoring Unit
University of New Mexico –
Health Sciences Center



Brach Poston, PhD
Associate Director, PD Core -Education Unit
University of Nevada, Las Vegas



Weiyu Mao, PhD, MSW, MPhil
Associate Director, PD Core -Education Unit
University of Nevada, Reno



Lauren Lessard, PhD, MPH
Biostatistician with CTR-IN, BERD Core
University of Alaska, Anchorage



Tony Ward, PhD
Director, BERD Core
University of Montana



Juli Petereit, PhD
Director, BERD Core
University of Nevada, Reno



Kathrene Conway, BS
Software Engineer II - Applications
University of Montana



Joseph Guerrero Lopez, BS
Project Coordinator
University of Nevada, Las Vegas



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INTRODUCTION

The Mountain West Clinical & Translational Research – Infrastructure Network (CTR-IN) Program's Professional Development (PD) Core, successfully concluded its Grant Writing Workshop (GWW) themed, "Preparing and Revising Competitive Clinical & Translational Research Grants" on November 16, 2022. The GWW was held in-person at the JW Marriott Resort - Las Vegas, NV as a Pre-Annual Meeting Activity, its webpage can be accessed with the following link: <https://ctrin.unlv.edu/gww-fall-2022/>. The Objectives and Speakers & Consultants below:

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, & MENTORS:

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



POST-WORKSHOP SURVEY RESULTS

OVERALL SATISFACTION RESULTS

#	QUESTION	PARTICIPANT TYPE	STRONGLY AGREE N (%)	AGREE N (%)	NEITHER AGREE NOR DISAGREE N (%)	DISAGREE N (%)	STRONGLY DISAGREE N (%)	NUMBER OF RESPONSES	AVERAGE (STRONGLY AGREE = 5)	OVERALL AVERAGE (STRONGLY AGREE = 5)
1	The objectives of the workshop were fulfilled.	ELIGIBLE PARTICIPANT	6 (60%)	3 (30%)	0 (0.00)	1 (10%)	0 (0.00)	10	4.4	3.88
		AUDITOR	3 (50%)	0 (0.00)	0 (0.00)	0 (0.00)	3 (50%)	6	3	
2	I gained a good understanding of the concepts & skills in grant writing after attending the workshop.	ELIGIBLE PARTICIPANT	5 (50%)	3 (30%)	1 (10%)	1 (10%)	0 (0.00)	10	4.2	3.75
		AUDITOR	3 (50%)	0 (0.00)	0 (0.00)	0 (0.00)	3 (50%)	6	3	
3	The instructional materials (PowerPoint & Interactive Sessions) were relevant to the objectives of the workshop.	ELIGIBLE PARTICIPANT	4 (40%)	0 (0.00)	0 (0.00)	0 (0.00)	10	10	4.6	4
		AUDITOR	3 (50%)	0 (0.00)	0 (0.00)	0 (0.00)	3 (50%)	6	3	
4	I was satisfied with the quality of the review & feedback I received from mentors & MW CTR-IN Leadership.	ELIGIBLE PARTICIPANT	3 (30%)	0 (0.00)	0 (0.00)	1 (10%)	10	10	4.3	3.81
		AUDITOR	2 (33.33%)	0 (0.00)	2 (33.33%)	0 (0.00)	2 (33.33%)	6	3	
5	Overall, my goals for taking this workshop were met.	ELIGIBLE PARTICIPANT	5 (50%)	3 (30%)	1 (10%)	0 (0.00)	1 (10%)	10	4.1	3.75
		AUDITOR	3 (50%)	0 (0.00)	0 (0.00)	1 (16.67%)	2 (33.33%)	6	3.17	



POST-WORKSHOP SURVEY RESULTS (CONTINUED)

CONFIDENCE MEASURES

(0-100 Scale with 0 = *Cannot do at all* ; 100 = *Highly certainly can do*)

ITEM	PARTICIPANT TYPE	NO. OF RESPONSES	PRE	POST	OVERALL POST
Preparing a Specific Aims page	ELIGIBLE PARTICIPANT	10	59.22	85.3	85.19
	AUDITOR	6	N/A	85	
Preparing a competitive Significance section	ELIGIBLE PARTICIPANT	10	58.11	71.6	73.63
	AUDITOR	6	N/A	77	
Preparing a competitive Innovation section	ELIGIBLE PARTICIPANT	10	58	69.8	72.31
	AUDITOR	6	N/A	76.5	
Preparing a solid Research Approach section	ELIGIBLE PARTICIPANT	10	61.56	61.7	67.13
	AUDITOR	6	N/A	76.17	
Engaging your community in research	ELIGIBLE PARTICIPANT	10	44.44	67.5	70.75
	AUDITOR	6	N/A	76.17	
Targeting the most appropriate study section(s) for your grant	ELIGIBLE PARTICIPANT	10	56.44	77.7	78.75
	AUDITOR	6	N/A	80.5	
Talking to and approaching your Program Official	ELIGIBLE PARTICIPANT	10	52.11	78.8	79.81
	AUDITOR	6	N/A	81.5	
Conducting appropriate biostatistical analysis of your preliminary data and/or developing an appropriate analysis plan for your application (power analysis, Bayesian and non-Bayesian methods, analysis of intra-and inter- population variance, pre-/post- tests in CTR grant applications)	ELIGIBLE PARTICIPANT	10	54.11	77.7	74.94
	AUDITOR	6	N/A	70.33	



POST-WORKSHOP SURVEY RESULTS *(CONTINUED)*

OPEN-ENDED RESPONSES

- What was the most helpful aspects of the workshop?

- The one on one sections with the Core members was extremely useful. Also, the new grant book is a definite plus.
- The lectures are relevant, but some of them could be shorter.
- Writing and fine tuning the specific aim is really helpful. Understanding how to present the statistical approach is also great. I learned so much from the workshop even though I was auditing it.
- The speakers were highly knowledgeable. The resources provided are excellent.
- Specific tips and strategies introduced
- writing different components of specific aims
- one to one session providing feedback Mentors were available to discuss to guide and support each participant's questions and needs
- The very up to date information about changes in grant submission to NIH
- The step by step and sentence by sentence concrete instructions on how to develop a NIH grant proposal from Dr. Sood.
- All mentors shared a lot of valuable suggestions and comments for my proposed the research work
- sa and funnel
- The series of lectures was helpful. It is like a checklist during writing a proposal; however, the instructors' experiences and stories enriched the lectures. The lecture about the biostatistician was helpful to understand their prospects like how I can approach their consultation with my experimental plan. (The idea for spreadsheet was great!)
- Certain PowerPoints that provided clear information and directions for successful grant writing.
- It helped me to improve my knowledge of the crucial paragraphs and wording necessary when submitting an NIH application. I learned a little about all the sections and what information I should add. Also, it gave me the confidence to apply.
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POST-WORKSHOP SURVEY RESULTS (CONTINUED)

OPEN-ENDED RESPONSES

- What was the least helpful aspects of the workshop?

- Not enough time for breaks, it might be better to split into a 2 day workshop to keep everyone energized.
- The peer review was good, but not that comprehensive. It would be more helpful if there is a follow-up session that can meet virtually later.
- N/A
- some participants were not engaged and took time to encourage them to participate/talk inadequate number of breaks
- It was a great “starting point” for those who have no NIH R01 grant writing experience.
- I wish that I could fully utilize the break session and hand-on activities, especially during the lunch/work session. Also, it will be appreciated if the learners are able to receive the outline of the PowerPoint presentations prior to the workshop (although I really appreciate all instructors work hard to prepare for this workshop and reviewed all assignments).
- The overall workshop and the breakout sessions. The workshop was set up like a "bull session" with rapid reporting of what is needed without any application (or writing) to practice the shared information. A bull session limits the engagement of the participants, which is pivotal in a successful workshop. It felt as if the emphasis was not on the participants but the speakers/moderators. The breakout sessions focused on what was accessible through MW referral services with limited, and potentially to rapid, discussion and writing of the specific elements. Clearly, there was a preferred template to write the elements of a grant, probably based on the included book. However, the absence of actual writing and reflection only resulted in a highly compressed and convoluted presentation of the template, its utility, and significance in writing a fundable grant. As a result, anything learnt resulted from prior knowledge and a timely review of the book after the workshop--self-learning.
- The small groups. We didn't have enough time to discuss the feedback. Also, the small groups with the specialists. Most of the participants didn't move tables at a specific time, which affected the interactions between specialists and other participants.
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