Training in Grantsmanship for Rehabilitation Research
January 12-16, 2016

The Wild Dunes Resort
1 Sundial Circle
Isle of Palms, SC 29451
P: 866.546.1690
OVERVIEW
The upcoming intensive grant writing workshop (TIGRR) builds upon the successful model used by the Enhancing Rehabilitation Research in the South (ERRIS) workshops that resulted in many junior investigators receiving NIH and NIDRR level research funding.

The centerpiece of the TIGRR Workshop is the one-on-one mentorship that maximizes the chance for success. TIGRR participants are not “attendees” that pay a fee and show up, they are Mentees selected by our review committee; from the many applications we receive each year, and this is what makes TIGRR so distinctive! The selected mentees will come prepared to complete at least the specific aims for a grant proposal for submission to the NIH or other funding agency.

This 4-1/2 day workshop provides the expertise and support to be successful at the national level in obtaining research grant support. The target audience for this workshop includes junior and mid-level faculty in all rehabilitation research disciplines who are on the cusp of success in NIH-funded or similar research but could benefit from expert mentorship in grant development including choosing best funding source and type of grant from that source.

We bring together a nationally recognized group of mentors and consultants as faculty, including representatives of federal funding agencies. The workshop provides guidance in grant writing, clinical trial design, biostatistics, informatics, collaboration, grantsmanship, budgeting, and career development through lectures and individual consultation.

We will pay particular attention to following up with mentees and their home institution mentorship team after the workshop to maximize the chance for success and thus develop a cadre of well-trained, rehabilitation researchers whose expertise will foster better rehabilitation research design.

TIMELINE

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>July 1 - September 1</td>
<td>Applications Accepted</td>
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<tr>
<td>October 8</td>
<td>Successful applicants notified</td>
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<tr>
<td>October 15</td>
<td>Applicants must confirm acceptance of invitation</td>
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<tr>
<td>October 16</td>
<td>Alternates Notified</td>
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<tr>
<td>October 28</td>
<td>Participants notified of their primary and secondary mentors</td>
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<tr>
<td>November 1 - December 15</td>
<td>Mentors begin contacting mentees and Pods have at least one preliminary video conference meeting</td>
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COST
Cost will be $2,500 which includes workshop materials, room and board, mentors and consultants and ground transportation. This does not include travel costs.
WHO SHOULD APPLY?
The Selection Committee will accept and review applications from junior and mid-career faculty or senior mentees (post-docs) who have not yet been a PI on a NIH R01 or equivalent grant, but are eligible for NIH funding (either a research or career development award). The selection committee actively encourages applications from previous attendees of the ERRIS workshop, especially if they are close to submitting a grant or have submitted a grant and need mentoring in fine-tuning the revised application. The Committee will base its decisions in large part on the scientific quality and potential of the applicants proposed research, the letters from the applicant’s sponsor (Program Supervisor or Department Head) and the potential for configuring a quality home institution mentorship team (or arrangements and coordination of mentorship outside of their home institution). The letters will be scrutinized for the information they supply about the candidate, the assurances they provide about the candidate’s potential for success in research, and the sponsor’s (both mentor and institution) support for the candidate’s research career.

The following are specific selection criteria:

- Junior or mid-career faculty or senior mentees in any rehabilitation discipline at a U.S. Academic Institution. In unusual circumstances, a senior individual who is embarking on a research career change will be considered. On occasion we will consider exceptional and relevant foreign applicants with unique expertise that would allow them to apply for NIH funding consistent with NIH guidelines.

- Nomination by a Department Chair, Division Head, or Program Director who can assure that the candidate will be able to prepare for the Workshop, participate fully during the Workshop, and, if successful, complete the research or research training as specified in the research proposal.

- Letter of Support from your Research Faculty Mentor at your home institution. It should include information regarding your potential as an academic and as a researcher, adequacy of training and research experience to be competitive for an NIH or equivalent grant and you mentors qualification and plan or supporting you in writing and submitting your proposal.

- Development of a research concept sheet according to specified guidelines to include background, literature review, specific aims, hypotheses, and methodology outline. Accepted participants must agree to complete this preparatory work prior to the Workshop. Our experience with ERRIS is that candidates are very motivated to do this.

- Special consideration will be given to proposals that add a focus on mechanisms or translation, demonstrate affiliations between successful NIH-funded research programs and traditional rehabilitation disciplines, show collaboration among basic and clinical researchers, attract new talented investigators into the field, encourage successful researchers to add a rehabilitation focus, apply new investigative technologies to rehabilitation, and/or show collaboration across disciplines.

- The Committee will seek a group of mentees who have excellent training, have made outstanding progress in their field, have demonstrated high motivation and potential for success in rehabilitation research, and come from a diverse group of institutions and disciplines.

- We encourage applications from women, minorities, and persons with disabilities.
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**WORKSHOP SCHEDULE (tentative)**

**Tuesday, January 12th, 2016**
- **1:30** Check-in and Registration
- **3:00** Faculty Meets to review what will occur over the 4 days
- **4:00** Welcome all attendees, faculty and mentees brief introductions
- **4:30** Overview of what to expect is given to mentees
- **5:00** Reception and kick-off dinner
- **7:00** Individual Informal Presentations in Pods

**Wednesday, January 13th, 2016**
- **7:00** Breakfast and announcements
- **8:00** Basic structure and approach to writing NIH research grant applications
- **8:45** Overview of specific aims and hypotheses
- **9:45** Examples of outstanding and faulty Specific Aims and Hypotheses
- **9:30** How to use statistical consultation: Biostatistical Challenges in Rehabilitation Research
- **10:45** Open Discussion on Research Ethics
- **11:30** Lunch with pod groups
- **1:00** Meet individually with mentors— work on hypotheses and specific aims
- **3:30** Meet with mentors/consultants individually and/or work on proposals
- **5:00** Free time and/or work on proposals or optional special topics discussion such as Hypotheses and Specific Aims
- **6:30** Dinner
- **8:00** Work on proposals and/or have informal discussions with fellow mentees or faculty

**Thursday, January 14th, 2016**
- **7:00** Breakfast and announcements
- **8:00** Basis overview of NIH Structure; Programs and restricting of National Center for Medical Rehabilitation Research (NCMRR) funding mechanisms.
- **8:45** Research Opportunities at National Institute of Neurological Disorders and Stroke (NINDS) Basics of Translational and Clinical Trials
- **9:30** Research Opportunities at National Institute of Biomedical Imaging and Bioengineering (NIBIB)
- **10:15** Research Programs at National Institute of Disability and Rehabilitation Research (NIDRR)
- **10:45** Research Programs from Veterans Affairs (VA)

**Friday, January 15th, 2016**
- **7:00** Breakfast and announcements
- **8:00** What Funding Agencies are looking for: secrets in getting federal and non-federal funding
- **9:00** Center for Scientific Review (CSR) Study Section Video: NIH tips and what happens to your grant proposal
- **10:00** Research Programs at the National Science Foundation (NSF)
- **10:45** Panel Discussion: What reviews and study sections are looking for
- **12:15** Lunch
- **1:00** Meet with mentors/consultants individually and/or work on proposals
- **1:15** Breakout Session: Women is Science
- **5:00** Cocktail Reception
- **6:00** Gala Dinner
- **8:00** Work on proposals and/or have informal discussions with fellow mentees or faculty

**Saturday, January 16th, 2016**
- **7:00** Breakfast and announcements
- **8:00** Critical Steps to Completing, Submitting, and Receiving Funding for Your Proposal
- **8:30** Meet with mentors/consultants individually and/or work on proposals
- **9:30** Meet in Pod Groups for Informal Presentations to discuss progress during workshop. Fill out and review report to home institution mentorship team, and set up next steps
- **11:30** Fill Out Workshop Evaluations and Final Comments
**Leadership Team**

(PI) Richard Segal, PT, PhD, FAPTA  
Professor and Chair  
Department of Health Professions  
College of Health Professions  
Medical University of South Carolina (MUSC)

(Co-PI) Daniel M. Corcos, PhD  
Department of Physical Therapy and  
Human Movement Sciences  
Feinberg School of Medicine  
Northwestern University

(Co-PI) William Z. Rymer, MD, PhD  
John G. Searle Chair in Rehabilitation Research  
Vice President for Research  
Director, Sensory Motor Performance Program  
Rehabilitation Institute of Chicago  
Professor, Departments of Physical Medicine &  
Rehabilitation, Physiology, and Biomedical Engineering  
Northwestern University

Possible Mentors

**Brian Boyd, PhD**  
University of North Carolina at Chapel Hill  
Department of Allied Health Sciences  
Division of Occupational Science

**Daniel M. Corcos, PhD**  
Department of Physical Therapy and  
Human Movement Sciences  
Feinberg School of Medicine  
Northwestern University

**Diane L. Damiano, PT, PhD**  
Chief of Functional & Applied Biomechanics Section  
Rehabilitation Medicine Department  
NIH Clinical Center

**Edelle C. Field-Fote, PhD, PT**  
Director, Spinal Cord Injury Research  
SHEPHERD CENTER - Crawford Research Institute  
Editor-in-Chief, Journal of Neurologic Physical Therapy

**Janet Kues Freburger, PT, PhD**  
Associate Director  
Medical Practice and Prevention Program  
Research Fellow,  
Cecil G. Sheps Center for Health Services Research  
Scientist, Institute on Aging  
University of North Carolina at Chapel Hill

**Robert J. Gregor, PhD, FEASB, FEACSM**  
Professor  
Division of Biokinesiology and Physical Therapy  
University of Southern California  
Professor Emeritus, School of Applied Physiology  
Georgia Institute of Technology

**Dennis C. Harper, PhD, ABPP**  
Clinical Psychology  
Retired, Founding Director  
Department of Teaching and Learning  
University of Iowa

Ola Harrysson, PhD  
Associate Professor  
Fitts Fellow in Biomedical Manufacturing  
Department of Industrial and Systems Engineering  
North Carolina State University

**Gregory E. Hicks, PT, PhD**  
Chair and Associate Professor  
Department of Physical Therapy  
University of Delaware

**Fay Horak, PhD, PT**  
Professor of Neurology  
Parkinson Center of Oregon  
Oregon Health and Science University

**T. Richard Nichols, PhD**  
Professor and Chair  
School of Applied Physiology  
Georgia Institute of Technology

**Kenneth Ottenbacher, PhD, OT**  
Professor & Director  
Division of Rehabilitation Science  
School of Health Professions  
University of Texas Medical Branch

**Eric J. Perreault, Ph.D.**  
Professor  
Biomedical Engineering, and  
Physical Medicine and Rehabilitation  
Northwestern University

**Elizabeth “Betty” Protas, PhD, PT**  
Dean  
School of Health Professions  
University of Texas Medical Branch – Galveston TX

**David Reinkensmeyer, PhD**  
Professor  
Departments of  
Mechanical and Aerospace Engineering  
Anatomy and Neurobiology  
Biomedical Engineering  
Physical Medicine and Rehabilitation  
University of California, Irvine

**Mary M. Rodgers, PT, PhD, FAPTA, FASB**  
George R. Hepburn Dynasplint Professor & Vice Chair  
Department of Physical Therapy & Rehabilitation Science  
University of Maryland School of Medicine

**William Z. Rymer, MD, PhD**  
John G. Searle Chair in Rehabilitation Research  
Vice President for Research  
Director, Sensory Motor Performance Program  
Rehabilitation Institute of Chicago  
Professor, Departments of Physical Medicine &  
Rehabilitation, Physiology, and Biomedical Engineering  
Northwestern University

**Robert L. Sainburg, PhD**  
Professor of Kinesiology, Penn State University  
Professor of Neurology, Penn State College of Medicine  
Editor in Chief, Journal of Motor Behavior
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(Possible Mentors continued)

**Katherine D. Seelman, PhD**  
Professor Rehabilitation Science and Technology  
Associate Dean Disability Programs  
School of Health and Rehabilitation Sciences  
University of Pittsburgh

**Richard Segal, PT, PhD, FAPTA**  
Professor and Chair  
Department of Health Professions  
College of Health Professions  
Medical University of South Carolina (MUSC)

**Kit N. Simpson, DrPH**  
Professor  
Department of Health Science and Research  
College of Health Professions  
Medical University of South Carolina

**Lena Ting, Ph.D.**  
Professor  
Department of Biomedical Engineering,  
Emory University and Georgia Tech  
Department of Rehabilitation Medicine,  
Division of Physical Therapy, Emory University

**Kristen Tjaden, PhD, CCC-SLP**  
Professor  
Department of Communicative Disorders and Sciences  
University at Buffalo

**Steven L. Wolf, PhD, PT, FAPTA**  
Professor, Department of Rehabilitation Medicine  
Professor of Geriatrics, Department of Medicine  
Associate Professor, Department of Cell Biology  
Emory University School of Medicine  
Professor, Adult and Elder Health  
Nell Hodgson Woodruff School of Nursing at Emory University  
Senior Research Scientist,  
Atlanta VA Rehabilitation R&D Center

**Richard Wysk, PhD**  
Dopaco Distinguished Chair  
Interim Rehabilitation Engineering Center Director  
Department of Industrial and Systems Engineering  
North Carolina State University

**Biostatisticians**

**Matthew Gurka, PhD**  
Founding Chair, Department of Biostatistics  
Associate Professor, Biostatistics  
School of Public Health  
West Virginia University

**Charity G. Moore, PhD, MSPH**  
Professor of Medicine, Biostatistics, and Clinical and Translational Science  
Division of General Internal Medicine  
Department of Medicine, University of Pittsburgh  
Health Services Research

**Paul J. Nietert, Ph.D.**  
Professor of Biostatistics  
Department of Public Health Sciences  
Medical University of South Carolina

**Funding Agencies**

**Timothy J. Brindle, PhD**  
Rehabilitation R&D Scientific Program Manager  
Musculoskeletal and Medical Comorbidities Program  
US Department of Veterans Affairs

**Leslie J. Caplan, PhD**  
Rehabilitation Program Specialist  
National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR)  
Administration for Community Living (ACL)  
U.S. Department of Health and Human Services

**Daofen Chen, PhD**  
Program Director, Extramural Research Program  
NIH/NINDS

**Alexander Leonessa, Ph.D.**  
Program Director  
National Science Foundation

**Theresa Hayes Cruz, PhD**  
Health Specialist  
Program Officer  
National Center for Medical Rehabilitation Research (NCMRR)  
Spinal Cord and Musculoskeletal Disorders, Assistive Devices, Behavioral Sciences and Rehabilitation Technologies Programs

**Ralph Nitkin, PhD**  
Deputy Director  
National Center for Medical Rehabilitation Research  
Director, Biological Sciences and Career Development Program (Eunice Kennedy Shriver) National Institute of Child Health and Human Development (NICHD)  
National Institutes of Health

**Mary M. Rodgers, PT, PhD, FAPTA, FASB**  
George R. Hepburn Dynasplint Professor & Vice Chair  
Department of Physical Therapy & Rehabilitation Science  
University of Maryland School of Medicine

**Katie Stout, PT, DPT, NCS, MBA**  
Neuro-musculoskeletal Portfolio Manager  
Clinical & Rehab Medicine Research Program  
U.S. Army Medical Research and Materiel Command (USAMRMC)  
General Dynamics Information Technology Contractor

**James A. Blackman, MD, MPH**  
Professor of Pediatrics, Emeritus  
University of Virginia  
Medical Director  
Cerebral Palsy International Research Foundation