

GCMAS Grant Writing Symposium – Friday May 17, 2013 from 1 to 5 PM

Instructors:

Howard J. Hillstrom, PhD (HillstromH@HSS.edu): Director, Leon Root, MD Motion Analysis Laboratory, Hospital for Special Surgery, 535 East 70th Street, New York, NY 10021, Office: 212-606-1507; Lab: 212-606-1215, Fax: 212-774-7859; Cell: 215-802-0447

Louis Quatrano, PhD (QuatranoL@mail.nih.gov): Program Director, BSRE, NCMRR, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, 6100 Executive Blvd, Rm 2A03, MSC 7510, Bethesda, MD 20892-7510, Rockville, MD 20852, Office: 301-402-4221, Fax: 301-402-0832

Kenton Kaufman, PhD, PE (Kaufman.Kenton@mayo.edu): W Hall Wendel Jr Musculoskeletal Research Professor, Professor of Biomedical Engineering, Director, Biomechanics/Motion Analysis Laboratory Consultant, Departments of Orthopedic Surgery, Physiology and Biomedical Engineering Charlton North L-110L Mayo Clinic, 200 First Street SW, Rochester, MN 55905 USA, Phone: (507) 284-2262, FAX: (507) 266-2227

Gerald Harris, PhD, PE (Gerald.Harris@Marquette.edu): Professor of Biomedical Engineering, Marquette University, Director of Orthopaedic Research & Rehabilitation Engineering Center (OREC), Olin Engineering, 307, The Medical College of Wisconsin Office: ASF, Suite 105.

Jinsup Song, DPM, PhD (JSong@TUSPM.Temple.edu): Director, Gait Study Center, Temple University School of Podiatric Medicine, 148 N. 8th Street, Philadelphia, PA 19107, Phone: 215-625-5369, Fax: 215-629-0278, Appt: 215-629-0300

Purpose: To acquaint the novice, mid-career, or aspiring researcher with the current strategies, techniques, and processes of developing an NIH grant.

Intended Audience: Novice, mid-career, or aspiring researchers who will be writing federal grants in motion analysis and related fields.

Pre-requisite Knowledge: Clinical and/or scientific training in a related field (engineering, physical therapy, occupational therapy, kinesiology, physical medicine, orthopedics, osteopathic medicine, orthotics and prosthetics, podiatric medicine, exercise and movement science, etc) with the desire to push the state-of-the-art forward.

Abstract: Navigating through the myriad of information to develop a federal grant can become a daunting task, especially for the novice investigator. Federal research budgets are always tight, pay lines are low, and the probability of receiving funding to conduct your studies is looking like your odds of success are better if you purchase a lottery ticket. This workshop is designed to demystify the process and provide the information that is required to improve your chances of

becoming successfully funded. Early, mid-career, and seasoned investigators with grant writing, grant reviewing, and NIH specific experience have been assembled to deliver this workshop.

Learning Objectives: At the conclusion of this workshop participants will be able to: (1) understand the different funding mechanisms at NIH, (2) interpret an NIH review, (3) write their specific aims, (4) develop a research strategy, (5) understand the process of obtaining a federal grant, and (6) appreciate the approaches to funding technology development/modeling grants.

Workshop Outline:

- I. Welcome and Workshop Overview – Howard J Hillstrom, PhD – 1:00PM
- II. Overview of the Grant Mechanisms at NIH – Louis Quatrano, PhD - 1:05PM
 - A. Institutes
 - B. Funding Mechanisms: Project (R03, R15, R21, R01); Training (K Awards), Academic-Corporate collaborations (SBIR, STTR); Clinical Trials (U01)
 - C. Strategies to Enhance Success: contact related grant officers, RFPs, RFAs, etc
- III. NIH Peer Review Process - Kenton Kaufman, PhD -1:25PM
 - A. Initial Review Group (Study Sections)
 - a. Rosters, Peer Review Roles and Meeting Overview, Scoring System
 - b. Summary Statement, Appeals
 - B. Second Level of Review – Advisory Board/Council
- IV. Specific Aims – Howard J. Hillstrom, PhD -1:45PM
 - A. Overarching goal
 - B. Central Hypothesis
 - C. Working Hypotheses
- V. Research Strategy – Gerald Harris, PhD - 2:05PM
 - A. Significance
 - B. Innovation
 - C. Approach
- VI. Mentored Grant Strategy (K awards) – Jinsup Song, DPM, PhD -2:25PM
 - A. Selecting a mentorship team
 - B. Developing the Proposal
 - C. Describing the educational opportunities/environment
- VII. Break -2:45PM

- VIII. Round Table Discussion – all faculty -2:55PM
A. Q & A about any of the previous talks
B. Special Topics: budgets, consultant or subcontract?, when do you resubmit and when do you not?, how do you build your team?,
- IX. Mock NIH Study Section -3:15PM
A. Introduction and rules of review
B. Review of 3 proposals
- X. Wrap up -4:45PM
- XI. Adjournment -5:00PM

If you are an attendee and would like your proposal to be considered for review by the mock study section please email your proposal to Howard J Hillstrom, PhD, the symposium chair --- HillstromH@HSS.edu