

# GRANTS

## PURPOSE

The Orthopaedic Section supports its members by funding studies to systematically examine orthopaedic practice issues. The purpose of this grant program is to address the urgent need for clinical research in orthopaedic physical therapy.

## TARGETED RECIPIENTS OF THE GRANT PROGRAM

The grant program is designed to provide funding to any Orthopaedic Section member who has the clinical resources to examine a well-defined clinical practice issue, but who needs some external funding to facilitate completion of the clinical research project. The Orthopaedic Section has earmarked \$70,000 to be awarded to support clinical research that is relevant to orthopaedic physical therapy that addresses one of the five areas described below.

## GUIDELINES

### Studies Eligible for Funding

Eligible studies will address one of the five following areas:

1. examine the effectiveness of a treatment approach on a well-defined sample of patients with orthopaedic problems
2. examine patient classification procedures for the purposes of determining an appropriate treatment
3. further establish the meaningfulness of an examination procedure
4. examine the role of the orthopaedic physical therapist in the health care environment
5. mechanistic studies that have a clear and direct impact on evaluation and/or treatment techniques used in orthopedic physical therapy practice.

### Eligibility

1. Purpose: the grant should clearly address one of the five areas described above for eligible studies.
2. Principal investigator must be a member of the Orthopaedic Section of APTA.

### Categories of Funding

1. New investigator
  - a. Eligibility
    - i. Orthopaedic Section member, and a minimum of a BS in PT degree
    - ii. PI has not received any Federal or National competitive funding (excluding grants or scholarships designed only for doctoral students, such as the PODS)
  - b. Maximum of \$15,000 request per award
  - c. A maximum of \$45,000 will be allocated for this category
  - d. Funding for this category will be given priority over the unrestricted category up to the maximum level of funding.
2. Unrestricted
  - a. Eligibility
    - i. Orthopaedic Section member, and a minimum of a BS in PT degree
    - ii. Someone considered a new investigator can apply to either this category or the new investigator category
  - b. Maximum of \$25,000 request per award
3. Foot and Ankle clinically-based grant
  - a. Eligibility
    - i. Orthopaedic Section member, and a minimum of a BS in PT degree
  - b. The Foot and Ankle Special Interest Group is sponsoring a clinically based grant.
  - c. This grant can be up to 2 years in length.
  - d. Funding amount: \$15,000 total, \$7,500 per year for 2 years.

### Funding

Individual grant applications are limited to a maximum as described under each category, over a 2-year period. Applicants may request up to the maximum allowable over a two-year period; however applications for projects with smaller budgets are also welcomed and encouraged. Projects with funding from other sources are also eligible for funding by the Orthopaedic Section; however the applicant must justify the need for additional funding from the Orthopaedic Section and must provide assurances to avoid overlap in funding.

Allowable use of funds is specific as defined. The grant may be used to purchase equipment, pay consultation fees, recruit patients or fund clinicians to collect data. Funds can also be used for support personnel such as a data technician or research assistant. The budget should reflect the total costs for performing the research. If the grant budget includes proposed *in-kind* services, letters from appropriate supervisors or clinical entities indicating the approval of in-kind services or percent effort of researcher / clinician must accompany the grant. Salary support for the PI and co-PIs is also allowed, but the total for the PI and co-PIs cannot exceed 30% of the total funds requested. There are no indirects for this grant.

If the grant is funded, monies will be release only after evidence of approval from the investigator's Institutional Review Board for Biomedical Research. Monies will be distributed at two time points, at the beginning of the funding cycle, and at then again at the midpoint of the funding cycle. Reporting of progress and budget will be required for midpoint release of funding.

### Requirements if funded

Physical therapists receiving funding from this program will be expected to report their findings at a Combined Sections Meeting within 3 years of receipt of funding. Recipients will also receive \$400 to assist with the costs for presentation of the work at a Combined Sections Meeting. All abstracts and manuscripts that results from this funding must be provided to the Orthopedic Section.

### GRANT APPLICATION FORMAT

Applications should consist of, in this order:

- Cover Sheet: Grant Application Form
  - State the purpose (from the 5 listed for funding) that the grant addresses on the cover sheet
- Table of Contents (with corresponding page numbers for each section listed below)
- Section 1: Abstract
  - 1 page maximum
  - Background, Purpose, Design, Methods, Data Analysis, Significance
- Section 2 – 5: Research Plan
  - 10 page maximum
- Section 2: Specific Aims and Hypotheses
  - Make sure to state the purpose (from the 5 listed for funding) of the grant in this Section
- Section 3: Background and Significance
- Section 4: Preliminary Data
- Section 5: Experimental Design and Methods
  - Design
  - Subjects
  - Methods
  - Variables
  - Statistics
    - Statistical Analysis
    - Power Analysis
  - Limitations
  - Potential problems and risks
- Section 6: Bibliography
- Section 7: Appendices
  - Appendix A: Timeline
  - Appendix B: Budget and Budget Justification
  - Appendix C: Biosketches and Role of each investigator
    - Role of each investigator
      - List each investigator's name
      - Indicate the role of each investigator
      - Limit: 1 page
    - Biosketches: NIH format (3 page maximum for each):
      - Name and Position Title
      - Education / Training (Institution and Location, Degree, Year, Field of Study)
      - Positions Held and Honors
      - Publications
      - Funding History; to include: funding agency, title of the project, a brief description of the project, amount of funding, percentage effort, year(s) of funding.
  - Appendix D: Facilities
  - Appendix E: IRB Informed Consent and Approval statement of submittal for approval
    - IRB Informed Consent Form with statement of IRB approval or submittal for approval
    - Describe human subjects protections by addressing in 1 page MAXIMUM:
      - Risks to human subjects including involvement and characteristics of human subjects, sources of research material and potential risks
      - Adequacy of protection against risks including procedures for recruitment, informed consent and

- protection against risks
    - Potential benefits of the proposed research to the subjects and others
    - Importance of the knowledge to be gained
  - Appendix F: Other: Data collection forms, surveys, etc.
  - Appendix G: Previously funded by the Orthopedic Section?
    - Please submit as Appendix G, a brief summary (1 paragraph per project, with a total of 1 page maximum), to include: title of the funded project, date of funding and results of previous funding, and number abstracts and publications as a direct result of funding.
  - Appendix H: Resubmission. Was this grant previously submitted to the Orthopedic Section?
    - Please submit Appendix H: Resubmission. This section is limited to 2 pages, and should address the major differences between the current and previous grant application. It should address the reviewer's comments and clearly identify how these comments were addressed in the current grant application. Do not use text shading or any indication in the grant application as to the changes made, but rather indicate section and page as needed where previous review comments were addressed.

#### Formatting:

When formatting the application, margins must be at least 1 inch. Font must be either Times New Roman 12 point or Arial Regular 11 point. The applicant's last name and page number should appear at the top of every page, starting with page 1 with the first page of Section 2 (Specific Aims and Hypotheses).

### CRITERIA FOR REVIEW OF APPLICATIONS

Priority will be given to applications that meet the following criteria:

- The first and foremost criterion is scientific merit.
- Have a specific and well-designed purpose that is judged to be consistent with the types of research studies eligible for funding described above.
- The sample to be studied must include patients/clients with impairment of the musculoskeletal system. For studies examining the role of the orthopaedic physical therapist in the health care environment, the sample to be studied should include physical therapists involved in the delivery of orthopaedic physical therapy.
- Projects that examine the effectiveness of orthopaedic physical therapy.
- Studies that have evidence of preliminary work.
- Preference will be given to those who have not recently been funded by the Orthopaedic Section of the APTA.

### REVIEW PROCESS

The Orthopaedic Section Research Committee will review each proposal to determine if it addresses one of the five types of proposals eligible for funding as described under Guidelines. All eligible applications will then be forwarded to the External Grant Review Committee that will review and rate each eligible application, using the criteria for review stated above. The highest rated applications will be selected for funding. All applicants will be notified of the results in March, 2010. Grants should indicate a start time no sooner than April 15, 2010.

### SUBMISSION DEADLINES

The deadline for submission of materials is **November 11, 2009**. The original of the application should be mailed, *postmarked* by November 11, 2009, to the Orthopaedic Section office. **Additionally**, a pdf version of the application must also be e-mailed to Tara Fredrickson at: [tfred@orthopt.org](mailto:tfred@orthopt.org) by **November 11, 2009 at 12 noon**. The pdf version of the grant application should contain the entire grant application in a single pdf document. Please label the pdf in the following format: PI's last name\_Six word abbreviated title\_year of submission.

Ex: Fredrickson\_Diagnosis of patellar tendinopathy\_2009

### TO RECEIVE AN APPLICATION, YOU MAY CONTACT THE ORTHOPAEDIC SECTION OFFICE:

Orthopaedic Section, APTA, Inc.  
 2920 East Avenue South, Suite 200  
 La Crosse, WI 54601  
 800/444-3982(PHONE); 608/788-3965(FAX)  
 e-mail: [tfred@orthopt.org](mailto:tfred@orthopt.org)