**Shp Student Interns for Research and Scholarly Activities**

**Application of Project Proposal Form**

**Instructions:**
Please fill out the form and return via email to Nipa Sahasrabuddhe
(ns1115@shp.rutgers.edu) by **April 1, 2022**. Please fill each box to the right of each required field. If you are sending attachments, please ensure your contact information is added to all your forms.

### Faculty Contact Information:

<table>
<thead>
<tr>
<th>Date submitted:</th>
<th>March 21, 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty Name:</td>
<td>Sandra L Kaplan  PT, PhD</td>
</tr>
<tr>
<td>Department/Program:</td>
<td>Rehabilitation &amp; Movement Sciences</td>
</tr>
<tr>
<td>Telephone number:</td>
<td>973-972-2459</td>
</tr>
<tr>
<td>E-mail:</td>
<td><a href="mailto:kaplansa@shp.rutgers.edu">kaplansa@shp.rutgers.edu</a></td>
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### Project Detail:

<table>
<thead>
<tr>
<th>Project Title: (56 characters max)</th>
<th>Use of Diers Data to Measure Scoliosis Outcomes</th>
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<td>Hypothesis:</td>
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| Description:  
(Include design, methodology, data collection, techniques, data analysis to be employed, evaluation and interpretation methodology for research component) | The DIERS Formetric 4D Scanner is a state of the art, non-invasive method of visualizing and measuring vertebral alignment in patients with scoliosis. Pre and post scoliosis treatment has been collected and deidentified and needs to be analyzed. SPSS will be used to determine pre-post changes, with subset analysis by scoliosis severity or other demographic data. |
| Specific Student Responsibilities: | The intern will be assisting with literature searching and review, data interpretation post analysis (unless the student is familiar with SPSS), formatting data into tables for manuscript preparation, participation in research meetings with a PT scoliosis specialist. |
| Start / end date of                  | Mid-May-Aug 15, 2022                         |
Educational:

**WHAT OTHER EDUCATIONAL OPPORTUNITIES ARE AVAILABLE TO STUDENTS?**
(e.g., journal club, seminars, clinic, rounds)

Research meeting discussions and manuscript preparation.

**WHERE DO YOU PLAN TO PRESENT OR PUBLISH THE FINDINGS WITH THE STUDENT?**
(e.g., national or state meetings, newsletter or journal, SHP poster day)

Either the Spine or Spinal Deformity journals. Submission for presentation at a national conference may be possible, but SHP poster day will be expected.

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**CHECK ALL APPROPRIATE BOXES BELOW AND PROVIDE REQUESTED INFORMATION.**

This project is:  
- [ ] clinical  
- [ ] laboratory  
- [ ] behavioral  
- [ ] survey  
- [x] educational  
- [ ] Other: please specify ____

All data has already been collected

☐ This project involves the use of human subjects (including chart review, retrospective studies and questionnaires).

Pending ☐  
Approved [x]  
IRB Protocol Number _ CR00016596

**IRB approval must be obtained by June 2022**

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*Alma S. Meriana*  
Signature of Department Chair  
03.18/22  
Date

OR-For internal use  
**Form: (1)**