

## ISHA RESEARCH GRANT SCORING CRITERIA

[Confidential – for review panel only]

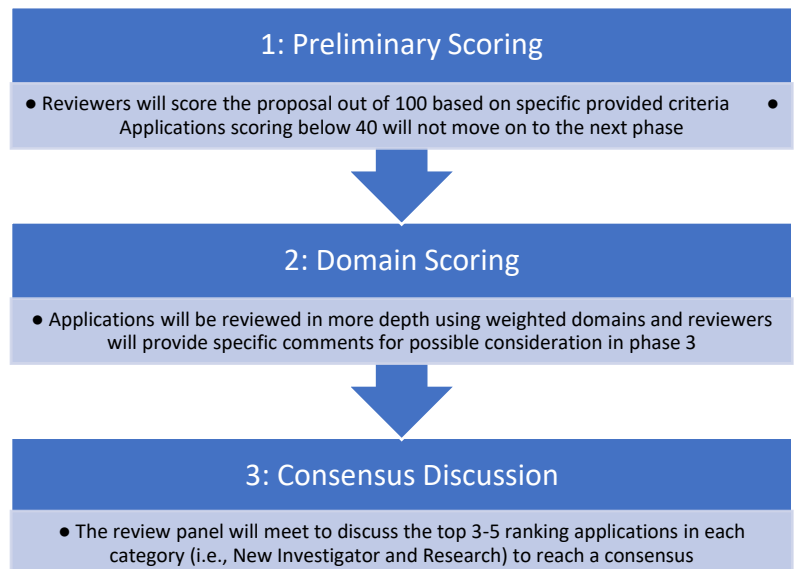
### Introduction

In this proposal, applicants are expected to provide a systematic, logical description of the project or line of research, which demonstrates familiarity with the subject matter and a carefully formulated plan of implementation. The rationale, the project plan, the methods and procedures to be used, the mode of analysis to be employed should be clearly outlined. In general terms, the proposal describes the work, proceeding from general theoretical considerations to the specific project, culminating in a budget. The budget qualifies the work in terms of personnel, materials, services, or other requirements.

The goal of this grant is to support proposals of the highest **scientific rigour** to establish ISHA as an organization that promotes well described, carefully considered research with results that are likely to have an important impact on future research and/or clinical practice. An “ideal/high scoring” proposal should include the following attributes:

- The research question is highly important in the field of orthopaedics/hip arthroscopy.
- The results of the project will likely have an important impact on future research and/or clinical practice in the field of orthopaedics/hip arthroscopy.
- The planned work shows a clear progression and novelty from general theoretical considerations in the current literature.
- The methodological quality of the planned research is appropriate, feasible, and well described/considered. The applicant demonstrates good familiarity with the subject matter.
- The applicant has clearly described and shown how the project is feasible and can be completed within the allotted 1-2 year timeframe. The applicant has demonstrated a carefully formulated plan for implementation and completion. (Example: if ethics approval is required, will it be feasible to obtain ethics approval and complete the project in 1-2 years?)
- Expected publication and possibly, further research or creative opportunities are anticipated.
- Most references are recent and/or applicable to the latest ‘state-of-the-art’ for the proposed project.
- Potential limitations are minimal and/or mitigating strategies have been addressed.
  
- Based on the curriculum vitae, the applicant likely has some experience with research and/or is working with co-applicants with research experience (not as important as the previous criteria).
- The budget is clear and reasonable (not as important as the previous criteria).

The grant review process will involve 3 stages:



**Phase 1: Provide a preliminary score of the application using the following set of criteria:**

Criteria	Scoring	Description
1. The research question is highly important in the field of orthopaedics/hip arthroscopy	20	Yes
	15	Somewhat
	5	No
2. The planned work shows a clear progression and novelty from general theoretical considerations in the current literature.	20	Yes
	15	Some background support in the literature
	10	Minimal background support in the literature
3. The methodological quality of the planned research is appropriate, feasible, and well described/considered. The applicant demonstrates good familiarity with the subject matter.	15	Yes
	10	Somewhat, certain improvements are possible
	5	No, broadly described and has serious inherent flaws or gaps. Major improvements are possible.
4. The applicant has clearly described and shown how the project is feasible and can be completed within the allotted 1-2 year timeframe. The applicant has demonstrated a carefully formulated plan for implementation and completion. (Example: if ethics approval is required, will it be feasible to obtain ethics approval and complete the project in 1-2 years?)	10	Yes
	5	Described but likely not feasible
	0	No, little description/consideration
5. Expected publication and possibly, further research or creative opportunities are anticipated.	10	Yes
	5	Expected to publish, but likely will not lead to further research or creative opportunities
	0	Unlikely to be completed/published
6. Most references are recent and/or applicable to the latest 'state-of-the-art' for the proposed project.	5	Yes
	3	At least 50% of references are recent and/or applicable to the state-of-the-art for the project
	1	More than 50% of references are not recent and/or applicable to the state-of-the-art for the project
7. Potential limitations are minimal and/or mitigating strategies have been addressed.	10	Yes
	5	Potential limitations are present and there are few/no mitigating strategies addressed
	0	Clear limitations are present and there are few/no mitigating strategies addressed
8. Based on the curriculum vitae, the applicant likely has some experience with research and/or is working with co-applicants with research experience.	5	Yes
	3	Applicant likely has minimal research experience and does not have much support in terms of co-applicants
	1	Applicant likely has no research experience and does not have support in terms of co-applicants
9. The budget is clear and reasonable.	5	Yes
	3	Somewhat
	0	No
<b>TOTAL:</b>	<b>/100</b>	

*\*These criteria will be programmed into an online system and will automatically generate final scores. All applications that score 40 or higher will move to the next phase for further evaluation.*

**Phase 2: Provide a score and comments for the following domains:**

DOMAIN	Scoring (select one)		
	1=No	2=Somewhat	3=Yes
<b>1: Scientific Rigour (primary)</b> <ul style="list-style-type: none"> <li>The planned work shows a clear progression and novelty from general theoretical considerations in the current literature.</li> <li>The methodological quality of the planned research is appropriate, feasible, and well described/considered.</li> <li>Most references are recent and/or applicable to the latest 'state-of-the-art' for the proposed project.</li> </ul>	1	2	3
<b>2: Estimated Research Impact (secondary)</b> <ul style="list-style-type: none"> <li>Expected publication and possibly, further research or creative opportunities are anticipated</li> <li>The research question is highly important in the field of orthopaedics/hip arthroscopy and will likely have a large impact on future research and/or clinical practice</li> </ul>	1	2	3
<b>3: Feasibility (secondary)</b> <ul style="list-style-type: none"> <li>Potential limitations are minimal and/or mitigating strategies have been addressed</li> <li>The applicant has clearly described and shown how the project is feasible and can be completed within the allotted 1-2 year timeframe. The applicant has demonstrated a carefully formulated plan for implementation and completion. (Example: if ethics approval is required, will it be feasible to obtain ethics approval and complete the project in 1-2 years?)</li> </ul>	1	2	3
<b>4: CV and Research Experience of the Applicant(s) (tertiary)</b> <ul style="list-style-type: none"> <li>Based on the curriculum vitae, the applicant likely has some experience with research and/or is working with co-applicants with research experience</li> <li>The applicant demonstrates good familiarity with the subject matter.</li> </ul>	1	2	3
<b>5: Appropriateness of the Budget (tertiary)</b> <ul style="list-style-type: none"> <li>The budget is clear and reasonable</li> </ul>	1	2	3

**Reviewers are asked to provide comments on the following:**

- Brief summary of the proposal (can be 1-2 sentences)
- Strengths (including impact of the research)
- Weaknesses
- Experience of the applicant(s)
- Appropriateness of budget

*\*Comments on the above can be written as bullet points*

**Comments:**

**Phase 3: Scoring from phase 2 will be weighted for primary (most), then secondary, then tertiary (least) domains and the top 3-5 applications for each of the Research Grant and New Investigator Grant categories will be discussed at the final consensus meeting. Reviewers will have the opportunity to bring forth any applications they feel strongly about that did not score in the top 5.**