



Prospectus:

The Foundation of the ASNR Grant Program

Introduction

The Foundation of the ASNR Grant Program is presented annually to support members of the ASNR who demonstrate great promise for future contributions to the field of neuroradiology and whose proposed project best embodies the goals of the foundation of the ASNR, namely: *"to promote research, education, and innovation in neuroradiology that will advance clinical practice and improve patient outcomes"*.

The Foundation of the ASNR additionally offers the *"Boerger Research Fund for Alzheimer's Disease and Neurocognitive Disorders"* and the *"Foundation of the ASNR Trainee Research Grant"* which are not covered in this prospectus.

We anticipate that several grants, in the amount of up to \$60,000 each, will be funded in the coming year. Applications should be submitted via asnr.smapply.io

A list of prior awardees may be found at: <https://foundation.asnr.org/page/awards-and-honors-information/> The required formatting guidelines indicated below (including word and/or page limits) will be strictly enforced; any application not conforming to the specified limits, at the discretion of the research committee, may be disqualified from consideration.

Eligibility Qualification

Grant candidates must be members of ASNR in good standing with an MD, MD PhD, or DO degree, and must be board-certified or board-eligible in Radiology by either the American Board of Radiology (ABR) or the Royal College of Physicians and Surgeons of Canada (RSPSC). A candidate must have completed a residency in Diagnostic Radiology and be enrolled in or have completed an ACGME-approved fellowship in neuroradiology or a fellowship in Pediatric Neuroradiology by the award period. The applicant need not be a junior faculty member, but preference will be given to early-stage investigators or those who have not previously performed funded research in the area relevant to their grant application.

An applicant can only submit one single application per cycle.

Research Topics / Grant Activities

The research proposal must have a clearly stated, testable hypothesis and well-developed aims.

Mentor: The ASNR *Senior* Member who is the mentor should be an individual with expertise in areas related to the proposed project. This mentor will serve to guide the project and must be willing to take responsibility for its performance and completion. A letter of support from the mentor detailing the program and mentorship plan should be submitted with the application.

Research Methods: While the research committee seeks to support researchers using a variety of different research methods, projects may or may not be funded in each of the categories below every year.

- Artificial intelligence
- Clinical data analysis (retrospective or prospective)
- Comparative effectiveness
- Development, refinement, or application of novel imaging methods
- Technical translation/ translational research/ technical development

CONDITION OF APPOINTMENT

A. The total funding amount is up to \$60,000 per grant (direct costs only), which will be paid in two equal installments on July 15th and January 15th of the year of the grant. Any portion of the grant not utilized should be returned to The Foundation of the ASNR. The proposed allocation of resources (salary support and other research costs) should be specified in a detailed line-item budget submitted with the full proposal.

B. The funding will go directly to the Institution or the department of Radiology as direct costs only. An itemized budget is required as part of the award proposal submission. Funds (up to \$60,000) may be apportioned as required by the investigator but must be justified in the application. Examples of fund use might include: (i) salary support for associated staff (e.g. research assistants, clinical coordinator, statistical support, and/or PhD collaborators), (ii) appropriate scanner time access, (iii) processing software and other types of software, and combinations of the above, and (iv) costs related to attending conference, workshop courses or training courses (e.g. computer programming course, specialized image analysis course, or any other workshops). Only direct costs can be included. No overhead or indirect costs are provided.

Expenses for physical infrastructure to support the proposed research (for example, desktop or laptop computers, monitors, GPU cards, memory or other physical devices) are considered indirect and supported by the host institution and should not be included in the budget.

C. Bi-yearly updates due on the 1st of January and the 1st of July within the year of the grant cycle must be submitted in writing to The Foundation of the ASNR. These are not to exceed one page. The progress report should summarize the specific aims and the progressed achieved, explain any significant changes to the specific aims, new directions to be undertaken due to those changes, and expenditures to date. Any publications, patents, or other material related to the funded research should be included on a separate page and submitted separately. The final report should include the above with the additional summary if a publication, patent, or grant is being or will be prepared using the results obtained from this Foundation grant. In the final report, a second page should be submitted separately describing the clinical impact of the results of the research, the strengths and weakness of the grant program, and the role that the Foundation or ASNR had, has, or might have in their future. In addition, a Return-on-Investment Survey will be emailed to recipient 3 and 5 years after receiving grant.

D. The recipient will present his/her research at the ASNR 62nd Annual Meeting & The Foundation of the ASNR Symposium, May 18, 2024 - May 22, 2024.

E. The American Journal of Neuroradiology (AJNR) welcomes the best science and encourages publication submissions to AJNR before considering other journals.

F. Applicants who have held any of the Foundation of the ASNR Research Awards, the RSNA Research Scholar, Research Fellow, or Research Seed Grant Award, GERRAF, or ARRS Grant Award in the past must declare their previous awards on the application. The applicant is considered ineligible if they are or will concurrently be holding any of previously mentioned grants, while applying to or holding a grant from the Foundation of the ASNR.

G. Note: while institutional IRB approval is not required at the time of award proposal submission, IRB approval must be submitted to ASNR before fund disbursement for all grant recipients.

H. No grant will be made without prior confirmation from the Program Director or Department Chair that the applicant's proposal will be supported in full by the host institution.

I. This grant may be transferred to another institution, following approval by The Foundation of the ASNR for the designated individual, provided the new institution abides by the original agreement and the awardee can carry out the proposed work in the new setting. This request must be submitted in writing to The Foundation of the ASNR at least 30 days prior to the transfer. Each institution sponsoring the recipient will receive a portion of the funding that is in proportion to the length of time that research was performed at their institution. If a decision is made by The Foundation of the ASNR not to allow transfer of the grant to another institution, the original institution sponsoring the recipient will receive funds that are proportionate to the length of time the research project was performed at that institution.

J. Grants will be approved for one year. A No-Cost Extension of the terms of the grant may be requested to extend the research period up to 12 months beyond the original ending date. Approval of an extension does not include the awarding of additional funds. A request for an extension must be made in writing to the Chairs of the ASNR Research Committee. The request must state the reason(s) for the extension, length of extension requested, and review the progress in the original grant period. Requests must be submitted at least 30 days prior to the original ending date. Interim reports must be submitted every six months during the extension period. **Please note that only one No-cost extension request will be considered per project.**

K. The grant is not transferable to another individual.

SELECTION METHOD

- A. Grants will be designated and administered by The Foundation of the ASNR.
- B. The Research Committee of the ASNR, or its designate, will provide review and recommendations to the Foundation for the recipient of the grant.
- C. ***The Grant Program Review Scoring Scale can be found at the end of this prospectus.**
- D. Applications from senior and junior scientists will not be reviewed separately, but special consideration will be given to applicants who are within 5 years of completing their post-graduate training.

APPLICATION SCHEDULE

- A. The deadline for receipt of submissions is 9:00 AM Central Standard Time (CST), Monday, January 23, 2023. Full proposals should also be submitted via asnr.smapply.io.

Please visit <https://asnr.smapply.io> to submit your application by creating an account and logging-on to select the award for which you would like to apply.

- B. Selection of grant recipients will be in early spring, with subsequent notification of the recipient and institution. All those with interests in the award, or employees of an institution that may be involved in the award, shall recuse themselves from voting on such applications. If applications are received from the institutions of the Research Committee Co-chairs, the Co-chair(s) will recuse themselves the responsibility of coordinating review of the applications from their home institution.

C. Please visit FAQ section of the Foundation of the ASNR website at <https://foundation.asnr.org/page/awards/faq/> for further clarifications.

In May/June 2023, the Foundation Research Grants announcement will be made via E-News and posted on the ASNR and Foundation of the ASNR websites. The recipient will present their research at the ASNR 62nd Annual Meeting & The Foundation of the ASNR Symposium May 18, 2024 -May 22, 2024 at Caesars Palace; Las Vegas, Nevada and receive an invitation to the President's Reception for that meeting.

*Foundation of the ASNR Grant Review Scoring Scale

Reviewers will critically assess the scientific quality of the proposed research plan, the applicant's track record and their trajectory towards independence, the applicant's environment, and the support from their mentor. The items below will be considered when reviewing proposals.

Scientific quality (50% of Overall Score)
<ul style="list-style-type: none">• <i>Are the hypotheses or aims designed to address an important question and is strong justification provided for the proposal (e.g., literature review, preliminary data)?</i>• <i>Is the proposal innovative?</i>• <i>Are the experimental design and statistical plan appropriate for the research proposed?</i>• <i>Can the work reasonably be done in a year?</i>• <i>Are pitfalls and alternative approaches adequately considered?</i>• <i>Is the proposal well written and clearly organized?</i>
Reviewer Comments
Applicant & Trajectory (25% of Overall Score)
<ul style="list-style-type: none">• <i>Do the applicant's publications, proposal, and the mentors' letter indicate that they are formulating their own research ideas?</i>• <i>Is there an indication that the applicant is on a pathway to a successful academic career?</i>• <i>Does the applicant have an appropriate number of publications for the stage of his/her career? Are the publications relevant to the proposed research topic?</i>
Reviewer Comments
Mentor and Environment (25% of Overall Score)
<ul style="list-style-type: none">• <i>Does the applicant have strong support from their mentor? Does the mentor have a track record relevant to the proposed research?</i>• <i>Does the mentor provide a comprehensive training plan for the applicant, including opportunities to learn new techniques, present their research data, and interact with other researchers? Does the training plan fit with the applicant's career goals?</i>• <i>Has the mentor successfully trained other mentees?</i>• <i>Is there sufficient facility, resources, and collaborators to ensure success for the applicant and the proposed study?</i>• <i>Is the applicant given sufficient time to perform the proposed research?</i>
Reviewer Comments
Overall impact score (1-9):
<i>The overall impact score should be between 1 and 9, with 1 as the best possible score and 9 as the lowest possible score. Please use the scoring rubric below, and weight your score approximately 50% for scientific quality, 25% for the applicant and trajectory, and 25% for the mentor and environment.</i>
Reviewer Comments

ASNR SCORING RUBRIC

Impact	Score	Descriptor	Additional Guidance on Strengths/Weaknesses
High	1	Exceptional	Exceptionally strong with essentially no weaknesses
	2	Outstanding	Extremely strong with negligible weaknesses
	3	Excellent	Very strong with only some minor weaknesses
Medium	4	Very Good	Strong but with numerous minor weaknesses
	5	Good	Strong but with at least one moderate weaknesses
	6	Satisfactory	Some strengths but also some moderate weaknesses
Low	7	Fair	Some strengths but with at least one major weakness
	8	Marginal	A few strengths and a few major weaknesses
	9	Poor	Very few strengths and numerous major weaknesses
<p>Minor Weakness: An easily addressable weakness that does not substantially lessen impact Moderate Weakness: A weakness that lessens impact Major Weakness: A weakness that severely limits impact</p>			