

Arkansas Children's Research Institute
**Funding Opportunity: ACRI/ABI Postgraduate
 Research Grant**



Program Overview

Program Purpose	This grant mechanism will support investigator-initiated, hypothesis-driven (goal directed) research directed by trainees conducting pediatric research. Grant applications must focus upon research that is directly relevant to the development and/or health of infants, children, or adolescents.
Eligibility Requirements	Eligible candidates include those with MD, PhD, MD/PhD, PharmD or PharmD/PhD degree who have completed their first year of postgraduate training by the award date. All trainees must apply with a faculty mentor(s) and scholarly oversight committee. Mentors will assume responsibility for the scientific integrity and conclusion of work proposed.

Key Dates

Letter of Intent Due Date	March 1 each year
Application Due Date	May 1 each year
Award Date	July 1 each year

If a date falls on the weekend, documents will be accepted until 5pm the next business day.

Award Information

Funds Available and Anticipated Number of Awards	Up to 3 grants will be awarded annually. Final funding decisions are contingent upon the quality of applications submitted and the institutional availability of funds.
Award Budget	\$30,000 total (\$15,000 per year) If awardees are successful in reaching their research goals, they will have the opportunity to apply for an additional \$20,000, 12-month, administrative supplement at the end of year 2.
Award Project Period	Up to 24 months

Application and Submission Information

Application Characteristics

- Describes original, investigator-initiated research that is hypothesis driven and has specific aims that can be successfully executed in a 24-month period.
- The proposed scope of work must be appropriate for time available to the trainee to enable completion of the project.
- The proposed project must be of sufficient scientific rigor to support development of a peer-reviewed scientific / professional publication, and to support further investigations worthy of external funding.
- Personnel costs for UAMS faculty cannot be included in the final budget (excluding biostatistics).
- Support for a biostatistician cannot exceed 20% effort.
- No preliminary data are required, but may be included if available.

- [Application materials](#) will follow the NIH F32 format. This format includes a detailed timeline for project conduct, completion, analysis, eventual publication and procurement of extramural funding.

Letter of Intent

A LOI is due no later than 5 p.m. on March 1 of each year. The LOI should be submitted to Anne McMains (McMainsAM@archildrens.org) via email.

The LOI should be no longer than one page in length and include the following components:

1. Principal Investigator: Name/Title/Contact Information
2. Faculty Mentor: Name/Title/Organization
3. Scholarly Oversight Committee Members: Name/Title/Organization
4. Project Title
5. A brief description of the proposed research
6. Two (2) Recommended reviewers based on ACRI's Conflict of Interest criteria:
 - a. The reviewer is not named on the application in any role
 - b. The reviewer has no direct or indirect financial interest in the proposal
 - c. The reviewer is not planning to collaborate with the PI or mentor in the next year
 - d. The reviewer has not published, collaborated or mentored any of the proposed Key Personnel
 - e. The reviewer is not providing a letter of support for the application
 - f. The reviewer is not serving as a member of an advisory board/scholarly oversight committee for the project under review
 - g. The reviewer has not served as a member of an advisory board/scholarly oversight committee for any proposed Key Personnel during the past one year
 - h. The reviewer is not listed as Senior/Key Personnel, mentor, collaborator or Scholarly Oversight Committee member for a competing application

Upon receiving the LOI, the information will be reviewed. Applicants will be contacted and invited to apply with a full submission.

Each applicant may only submit one Letter of Intent per grant cycle.

Scholarly Oversight Committee

The scholarly oversight committee will consist of the applicant's mentor(s) and at least two additional faculty members who are not direct mentors of the applicant, but have significant expertise to contribute to successful completion of the project and/or the career development of the applicant. The purpose of the committee is to provide additional guidance to the applicant in study design, project execution, approach to obtaining external funding, and career development. The committee is required to meet quarterly throughout the project period and must provide written reports detailing the applicant's progress on the project and career development goals as outlined in the mentorship plan and any recommendations by the committee.

Application Package

Forms will be provided at the time of invitation to submit a full application and are available on the ACRI website: <https://www.archildrens.org/research/resources-for-researchers>.

Please see [Attachment 1](#) for a complete listing of the required forms and instructions for preparing the required documents.

Application Review and Selection Process

Grants will be reviewed by a Special Emphasis Panel (SEP) using current NIH criteria. This SEP will be constituted by the ACRI President who will have oversight responsibility for the grant program. All proposals will be scored by the SEP and prioritized for funding by the ACRI President.

Reporting Requirements

A progress report is due upon the completion of the first year and upon completion of the award. If the \$20,000 administrative supplement is sought, a progress report is due 3 months prior to the end of the project period along with a proposed plan to utilize the funds. Scholarly oversight committee reports must be submitted with the progress reports. Failure to submit timely reports may jeopardize future funding.

Application Submission Contact Information

Anne McMains, ACRI Grant Development Specialist

Telephone: 501-364-5143

Email: McMainsAM@archildrens.org

Attachment 1 – Application Materials & Research Strategy Requirements

On or before 5 p.m. on the deadline date, an applicant must upload a PDF copy of their application to the Proposal Management System found here:

<https://apps.uams.edu/ClinicalTranslationalScienceAward/Account/Login.aspx>

Forms will be provided at the time of invitation to submit a full application and are available on the ACRI website: <https://www.archildren.org/research/resources-for-researchers>.

Application Materials

Use at least one-half inch margins (top, bottom, left, and right) for all pages. For font, use an Arial typeface, a black font color, and a font size of 11 points or larger. Do not include headers, footers or page numbers. Captions on tables or figures must be no smaller than Arial 8-point font.

The final application must include the following items in order:

1. ACRI Intramural Funding Application Form
2. ACRI Intramural Research & Related Budget Form
3. ACRI Intramural Budget Justification Form
4. Study Summary Form (if applicable)
 - A Study Summary Form is required for applicants whose proposals include human subjects clinical trials
 - Please contact [Janet Stormont](#) for Study Summary Form review and approval
5. Project Summary/Abstract (limit: 30 lines of text)

State the application's broad, long-term objectives, making reference to the pediatric health relatedness of the project. Briefly describe the research design and methods for achieving the stated goals. Be sure that the project summary reflects the key focus of the proposed project.
6. Applicant's Background and Goals for Postgraduate Training (up to 6 pages)

Organize the Applicant's Background and Goals for Postgraduate Training section in the specified order and use the instructions provided below. Start each section with the appropriate heading - Research Experience, Training Goals and Objectives, and Activities Planned Under this Award.

A. *Research Experience*

Briefly summarize your past research experience, results, and conclusions, and describe how that experience relates to the proposed project. In some cases, a proposed project may build directly on previous research experiences, results, and conclusions. In other situations, past research experiences may lead a candidate to apply for a project in a new or different area of research. Do not list academic courses in this section.

Applicants with no research experience: Describe any other scientific experiences. Specify which areas of your proposed research were part of your predoctoral thesis or dissertation and which, if any, were part of a previous postdoctoral project.

B. *Training Goals and Objectives*

- Describe your overall training goals for the duration of the proposed project and how the proposed project will enable the attainment of these goals.
- Identify the skills, theories, conceptual approaches, etc., to be learned or enhanced during the award, including, as applicable, expertise in rigorous research design, experimental methods, quantitative approaches, and data analysis and interpretation, as applicable.
- Discuss how the proposed research will facilitate your transition to the next career stage.

C. Activities Planned Under this Award

The activities planned under this award should be individually tailored and well-integrated with your research project.

- Describe the research skills and techniques that you intend to learn during the award period.
- Provide a timeline detailing the proposed research training, professional development, and clinical activities for the duration of the award.

7. Specific Aims (1 page)

8. Research Strategy (6 pages)

The research strategy should include the following sections:

A. Significance

- Explain the importance of the problem or critical barrier to progress in the field that the proposed project addresses.
- Explain how the proposed project will improve scientific knowledge, technical capacity, and/or clinical practice in one or more broad fields.
- Describe how the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field will be changed in the proposed aims are achieved.

B. Innovation

- Explain how the application challenges and seeks to shift current research or clinical practice paradigms.
- Describe any novel theoretical concepts, approaches or methodologies, instrumentation or interventions to be developed or used, and any advantage over existing methodologies, instrumentation, or interventions.
- Explain any refinements, improvements, or new applications of theoretical concepts, approaches or methodologies, instrumentation, or interventions.

C. Approach

- Describe the overall strategy, methodology, and analyses to be used to accomplish the specific aims of the project. Include how data will be collected, analyzed, and interpreted as well as any resource sharing plans as appropriate.
- Discuss potential problems, alternative strategies, and benchmarks for success anticipated to achieve the aims.
- If the project is in the early stages of development, describe any strategy to establish feasibility, and address the management of any high risk aspects of the proposed work.
- Point out any procedures, situations, or materials that may be hazardous to personnel and precautions to be exercised.
- If research on Human Embryonic Stem Cells (hESCs) is proposed but an approved cell line from the NIH hESC Registry cannot be identified, provide a strong justification for why an appropriate cell line cannot be chosen from the Registry at this time.
- Identify anticipated problems/pitfalls and proposed solutions/alternatives.

D. Future Directions

- Describe how the completion of the project will support the development of the applicant as an investigator and career plans in next 3 to 5 years
- Describe the next set of investigations that is expected to emerge from the project
- Describe plans to obtain extramural funding

9. NIH Biographical Sketches

- PI
- Mentor(s)
- All key personnel

- Scholarly oversight committee members

Section A of the biosketch should detail the expertise of the investigator relative to applicant's proposed project and the role they will serve in its execution.

10. Detailed Mentoring Plan and Mentor Statement

The mentor(s) must describe their role and willingness to participate in the project, and explain how they will contribute to the development of the candidate's research career. Each statement should include all of the following:

- The plan for the candidate's training and research career development. Include information not only about research, but also about other developmental activities, such as seminars, scientific meetings, training in RCR, and presentations. Discuss expectations for publications over the entire period of the proposed project. Define what aspects of the proposed research project the candidate will be allowed to continue to pursue as part of his/her independent research program.
- The nature and extent of supervision and mentoring of the candidate, and commitment to the candidate's development that will occur during the award period.
- A plan for transitioning the candidate from the mentored stage of his/her career to the independent investigator stage.
- Describe the mentor's previous experience as a mentor, including type of mentoring (e.g., graduate students, career development awardees, postdoctoral fellows), number of persons mentored, and career outcomes.

11. Facilities and Resources

Describe how the scientific environment in which the research will be done contributes to the probability of success (e.g., institutional support, physical resources, and intellectual rapport). In describing the scientific environment in which the work will be done, discuss ways that the proposed studies will benefit from unique features of the scientific environment or from unique subject populations or how studies will employ useful collaborative arrangements.

12. Letters of Support

- Provide a LOS for each scholarly oversight committee member detailing the expertise they provide to the applicant and their commitment to serve on the committee
- Provide a LOS for non-key personnel collaborators/vendors/core laboratories, etc. (if applicable)

Application Checklist

✓	Item	Notes
	1. ACRI Intramural Funding Application Form	Form will be provided at the time of invitation to submit a full application
	2. ACRI Intramural Research & Related Budget Form	Form will be provided at the time of invitation to submit a full application
	3. ACRI Intramural Budget Justification Form	Form will be provided at the time of invitation to submit a full application
	4. Study Summary Form	Form will be provided at the time of invitation to submit a full application
	5. Project Summary/Abstract	Limit: 30 lines of text
	6. Applicant's Background and Goals for Postgraduate Training	Limit: 6 pages
	7. Specific Aims	Limit: 1 page
	8. Research Strategy	Limit: 6 pages
	9. Biosketches	Limit: 5 pages each
	10. Detailed Mentoring Plan and Mentor Statement	Limit: 6 pages
	11. Facilities and Resources	No page limit
	12. Letters of Support	

Attachment 2 – Approved and Not Approved Expenses

This attachment provides guidance regarding expenses that this program will or will not cover. The list is not all inclusive; please contact Anne McMains (McMainsAM@archildrens.org) with any questions.

Approved Expenses

Biostatistical Support/Data Analysis – no more than 20% effort
Computer/Software (with clear justification they are needed for the proposed research)
Equipment
Office Supplies (research related only)
Publication Costs of Publishers (applicants are highly encouraged to seek publication in a journal without a submission fee)
Salary/Fringe of Principal Investigator
Salary/Fringe of research personnel (coordinators, assistants)
Supplies for Research Project (actual research costs)
Travel (exceeding no more than \$1,000 for presentation of research at a national meeting)

Not Approved Expenses

Any Expense Not Directly Related to Research Activity
Any Personal Professional Fee
Board Exam Fees
Board Review Courses
DEA #
Lab Coats
Indirect Costs on Subawards beyond 10% MTDC
Medical Licenses
Membership Dues to Societies and Professional Organizations
Personnel Costs for UAMS Faculty (excluding biostatistics)
Periodicals
Professional Liability Insurance
Subscriptions
Telephone and Pager