Educational Innovation and Scholarship (EIS) Grants

*"This is an exciting time in health professions education.
Building on a decade of innovations that provided proofs of concept and some guiding
principles, we are poised for a decade of explosive innovation…"*

George Thibault (2020)

Call for Proposals

We are pleased to announce the Carver College of Medicine's Educational Innovation and Scholarship (EIS) Grant Program.

In our ongoing efforts to support our educational mission, up to $800,000 has been made available to support educational scholarship and research.

Grants of up to $20,000 will be awarded to Carver College of Medicine faculty to encourage educational scholarship and research; projects that span different levels of training or different programs/departments may be combined for up to $60,000.

The focus of the project may cover a wide range of areas within medical education, but the project **must** include:

- a description of at least one educational research question or an educational innovation with an evaluation of its impact;
- one or more methodologies that will be used to study outcomes;
- the type(s) of data that will be collected; and
- what tools may be used to complete interpretation of the data.

Potential topics may include major trends in health sciences education outlined by Dr. George Thibault in "The future of health professions education: Emerging trends in the United States" (https://faseb.onlinelibrary.wiley.com/doi/full/10.1096/fba.2020-00061):

1. Interprofessional education and collaborative practice
2. Longitudinal integrated clinical education
3. Medicine's social mission and social determinents of health
4. Continuum of health professions education for lifelong learning
5. Competency-based health professions education
6. Artificial intelligence and new informational and educational technologies

Proposals should be submitted online to: https://uiowa.qualtrics.com/jfe/form/SV_85Gz0lCTigIO1Rc

Proposal Guidelines

The Office of Consultation and Research in Medical Education (OCRME) is charged with overseeing a special allocation to support innovation and research in health sciences education in 2022. Reviewers represent a broad range of perspectives and experience across the Carver College of Medicine. The following guidelines were developed to help assure that proposals contain sufficient information for the reviewers' consideration. Authors are encouraged to read Dr. George Thibault's 2020 article, "[The future of health professions education: Emerging trends in the United States](#)", in preparation for their submission. In this article, Dr. Thibault identifies six trends:

1. Interprofessional education and collaborative practice
2. Longitudinal integrated clinical education
3. Medicine's social mission and social determinents of health
4. Continuum of health professions education for lifelong learning
5. Competency-based health professions education
6. Artificial intelligence and new informational and educational technologies

Authors are encouraged to consider how the proposal may fit within one or more of these trends in healthcare education, though other themes and areas of focus will also be considered.

Overview

Grants of up to $20,000 will be awarded to Carver College of Medicine faculty to encourage educational scholarship and research. The focus of the project may cover a wide range of areas within medical and/or healthcare education, but the project must include a description of at least one educational research question or innovation, one or more methodologies that will be use to study outcomes, the type(s) of data that will be collected, and what tools (such as Dedoose, Nvivo, or SPSS) that may be used to complete analysis and interpretation of the data.

Each proposal will be judged on its own merits. Reviewers will read and rate each proposal, and then meet to discuss the reviews and determine which proposals will receive funding. Proposals are evaluated on their worthiness and feasibility.

If needed, authors are encouraged to consult with the staff of the Office of Consultation and Research in Medical Education (1204 MEB, Phone 335-8901) in developing their proposals. OCRME consultants are available for all phases of proposal development and have expertise in medical education, instructional design, computer-based and multi-media education, research design and methods, educational measurement, statistics, and evaluation.

Submission Timeline

Three rounds of proposals will be accepted and reviewed on the following timelines:

	Proposal Due Date	Review Meeting Date	Notification Date
Round 1	February 28, 2022	March 9, 2022	March 10, 2022
Round 2	May 30, 2022	June 10, 2022	June 13, 2022
Round 3	August 29, 2022	September 9, 2022	September 12, 2022

All grantees will be expected to submit reports and participate in a grantee meeting on September 16, 2022 and a one-day conference in November 2022.

Review Criteria

Review criteria include:

- *Quality*
  Does the proposal indicate an understanding of best-evidence practice relative to the proposal? Is the proposal innovative and/or applying existing knowledge/educational models in an innovative way?

- *Relevance*
  Does the proposal address a current, demonstrable need within the curriculum and/or instruction? Does the proposal solve or address a specific problem?

- *Sustainability*
  If proven effective, could the proposal be sustained beyond the term of the grant? What is the likelihood of departments/programs to adopt the proposal? What new/existing resources would be required in order to sustain it? Would it benefit more than one department or program?

- *Growth potential*
  Is there a CQI plan for the proposal beyond the term of the grant? Is this – or could there be – a multi-institutional comparison/collaboration possible? Does this proposal touch on a significant social-professional issue that has broader significance, such as patient safety, provider resilience/well-being, disparities within healthcare as a profession?

Following submission, reviewers may make recommendations or requirements as evidence that a particular methodology (such as a Plan-Do-Check-Act cycle) is used to monitor and adjust as the project is implemented.

Educational Scholarship Activities

Grantees will be strongly encouraged to participate in an Educational Research Day in order to publicize their educational projects. Educational Research Day will include a plenary session with Dr. George Thibault (see his biography at: https://www.nyas.org/bios/board-of-governors/george-e-thibault/). Grantees will be encouraged to utilize a growing set of resources to provide peer mentoring, support project implementation, encourage community-building, and support educational scholarship.

Outstanding projects will be recognized at the Educational Research Day events. Success indicators would include (but may not be limited to):

- Evidence of impact on participants (e.g. surveys, evaluations, scores on standardized tools)
- Evidence of perceived relevance to medical education
- Number of completed scholarly products (specifically, peer-reviewed articles, abstracts, podium presentations, peer-reviewed curriculum)

Proposal Requirements

Principal Investigator: A member of the faculty of the Carver College of Medicine must be named as Principal Investigator of the project.

Grant period: The grant period may be for up to 12 months. As grants will be awarded throughout 2022, all funds must be encumbered in 2022, though they may be spent in the following calendar year.

Internal review: Most publications now require evidence of IRB review (either approval or exemption). Plans for IRB review should be mentioned in the proposal.

Continued departmental support: Evidence of the likelihood of continued institutional support following the termination of the grant will be viewed favorably.

Budget: The total amount awarded will not exceed $20,000 for an individual project, but may be increased up to $60,000 if combined across departments, programs, levels of training, or pre-clinical/clinical.

Funding may not be used for faculty salaries (funding may be used for student or research assistants). Funds requested for consulting services (e.g., video production, statistical services) should include written estimates and should use units within the College except in instances where they cannot provide necessary services (as documented in the proposal).

Instructional programs: For projects developing some type of instructional tool (e.g. educational game or computer-based simulation), the proposal should show that there is no existing tool, or if existing, why it is unsuitable for the project's stated purpose.

Notification: Applicants will be apprised of their status according the the schedule specified above in the Submission Timeline.

Account Information: An account will be established by OCRME for each grant. The Principal Investigator will disperse granted funds based on the approved budget and budget justification. It is the responsibility of the PI to monitor expenditures. Account summaries will be kept on file at OCRME.

Progress/project changes: Awardees must show progress in their project by 3 months of project start date or risk loss of funding. In the event that substantial changes in the project become necessary during the period of the grant, an interim report must be prepared and submitted to the Chair, Dr. Jane Lindsay Miller, Director of OCRME, describing the reasons for the changes and substantiating any alterations in the budget.

Reports: A progress report is due 60 days following completion of the grant. The Carver College of Medicine requires a copy be submitted to the Chair, Dr. Jane Lindsay Miller. The report should restate the intended research question/innovation, detail the progress and achievements of the project, and summarize the budget expenditures by category.

Proposal Guidelines

All uploaded documents must be submitted in an appropriate format (either Word or PDF) and in double-spaced, 11 point font. Note: Budget and Abstract are not included in the Proposal Narrative word count.

Each proposal **must** contain the following:

- Abstract (maximum 200 words)**:**
  Describe the purpose, process to be used, and expected results of the project.

- Proposal Narrative (maximum 1500 words):
  A thorough description of project activities should include the following elements:
  - Introduction (should include a researchable educational question or hypothesis)
  - Rationale
  - Project Activities
  - Study Methodologies
  - Resources Needed (may include reference to related proposals being submitted under separate cover, as well as team members or specialized services)
  - Expected Outcomes

- Budget Form:
  Expenditures by category, including a justification explaining the need for funds in each category requested, and providing vendor quotes or estimates. (See above concerning appropriate budgetary requests.)

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