

**Virginia Tech Focused Ultrasound  
Research Grant Applications, FY2025  
First Round of Applications Due December 6, 2024  
Second Round of Applications Due April 2, 2025**

Virginia Tech's Fralin Biomedical Research Institute (FBRI) has partnered with the Focused Ultrasound Foundation (FUSF) to support both FUS research and Virginia Tech program growth, funded in part with \$1 million of state funding in FY 25 and FY 26. Partnership funds will be used to support several research projects that should result in high impact publications, follow-on extramural funding, and ultimately transformational advances in health. Projects for 2025 can be supported with an expected budget of up to \$130,000 each (see details of the budget process and template below). Proposals beyond that amount, including clinical proposals and equipment requests, should be directed to Hal Irvin ([hirvin@vtc.vt.edu](mailto:hirvin@vtc.vt.edu)) who in turn will discuss with the VT FUS scientific leadership team which will then help coordinate with FUSF staff.

- All faculty FUSF grant proposals should be sent directly to Hal Irvin ([hirvin@vtc.vt.edu](mailto:hirvin@vtc.vt.edu)). Proposals will then be considered by the VT FUS research scientific leadership team for initial screening to assess alignment with the university's FUS research strategic goals.
- The RFA details outlined below apply to any FUSF grant submitted for review.
- After screening, all proposals will be forwarded to the FUSF along with a statement outlining how well the project aligns with VT's FUS research strategic goals.
- Scientific reviews will be performed by the FUSF for all proposals, with the FUSF making final funding decisions.

**RFA Details:**

- All T&R faculty and research faculty at Virginia Tech are eligible to submit proposals as principal investigators (PIs).
- Projects may include collaborators as Co-PIs from other units at Virginia Tech.
- All funding and expenditures must be made through the PI.
- Awards will be made through a competitive process that includes an initial screening by members of Virginia Tech's FUS scientific leadership team to assess alignment with the university's FUS strategic research objectives. All proposals will then be forwarded to FUSF for scientific review and final funding decisions.
- The RFP deadlines for submission for the FY25 funding cycle are noon on December 6, 2024 and noon on April 2, 2025.
- For consideration of funding, submit a two-page proposal to Dr. Hal Irvin at [hirvin@vtc.vt.edu](mailto:hirvin@vtc.vt.edu) with:
  - i) project title;
  - ii) PI name, affiliation and position;
  - iii) names of any Co-Is;
  - iv) brief abstract;
  - v) specific aims;
  - vi) brief description of research plan and goals to be accomplished within the 12-month time frame;
  - vii) brief description of project's alignment with Virginia Tech FUSF research strategic objectives.
- On separate pages, provide an NIH style bio-sketch for the PI and any Co-Is.
- On separate page, provide a proposed budget (template attached). Budget template provided in Excel format/file.

- All budgets will include a Health Sciences and Technology Campus Core FUS Infrastructure and Technician cost component. This component will calculate automatically in the budget template. This budget resource will provision FUS technician expertise and the annual cost of the HS&T FUS equipment service contract. This cost component is part of the RFP process and the FUSF approval process and does not have to be addressed further by the PI in budgeting, budget justifications or progress reporting.
  - The Health Sciences and Technology Campus Core FUS Facility includes the INSIGHTEC Exablate Neuro V2 Focused Ultrasound System (<https://fbri.vtc.vt.edu/core-services/focused-ultrasound.html>) and the RK-300 MRI-guided Focused Ultrasound (Small bore systems).
  - For more information about available services for the INSIGHTEC System, contact Dr. Jason Raymond ([jlraymond@vtc.vt.edu](mailto:jlraymond@vtc.vt.edu)). For more information about available services for the RK-300 small bore systems, contact Dr. Maosen Wang ([maosen@vtc.vt.edu](mailto:maosen@vtc.vt.edu)).
  - If you are considering using either of these pieces of equipment in your proposal, before you submit your proposal you must contact Dr. Raymond or Dr. Wang for a consultation and to determine their availability.
- All project budgets, net of the infrastructure fee, will be capped at \$100,000. The infrastructure fee is capped at \$30,000. If the FUSF elects to independently fund a project outside the terms of this RFP, the budget will be reduced to the non-VT infrastructure subtotal of \$100,000. PI base budgets will not be impacted.
- Funding should be used within a 12-month period of performance.
- FUSF will outline milestone reporting requirements for projects they approve.
- At the end of the funding cycle, awardees will be expected to provide a summary of the accomplishment of goals that will be shared with FUSF.
- Publications and publicity based wholly or partially on the work supported by the Focused Ultrasound Foundation should acknowledge their support.
- A portion of the budget may be dedicated to purchase FUS equipment use located at the College of Veterinary Medicine (Blacksburg and Roanoke campus), the College of Engineering, and at other collaborator institutions. For more information about available FUS equipment on campus, please reach out to Dr. Hal Irvin at [hirvin@vtc.vt.edu](mailto:hirvin@vtc.vt.edu) or Dr. Jenny Munson at [munsonj@vtc.vt.edu](mailto:munsonj@vtc.vt.edu), Dr. Joanne Touhy at [jltuohy@vt.edu](mailto:jltuohy@vt.edu), or Dr. Eli Vlasisavljevich at [eliv@vt.edu](mailto:eliv@vt.edu).
- Any additional questions about the scope of this RFA and/or the VT FUS research strategic vision should be directed to Dr. Irvin.

Personnel	Effort Description	Salary \$	Fringe \$	Total	Optional Match Costs
	X% (X Cal Months)	-	-	\$0	\$0
	X% (X Cal Months)	-	-	\$0	\$0
	X% (X Cal Months)	-	-	\$0	\$0
	X% (X Cal Months)	-	-	\$0	\$0
<b>Total Personnel</b>		\$0	\$0	\$0	\$0
<b>Travel</b>					
Travel				\$0	\$0
<b>Materials</b>					
Supplies/Consumables				\$0	\$0
				\$0	\$0
<b>Contractual Services</b>					
Publications				\$0	\$0
FUS Machine Hours	\$500 per hour			\$0	\$0
Participant Payments				\$0	\$0
Other				\$0	\$0
Other				\$0	\$0
				\$0	\$0
				\$0	\$0
<b>Subtotals</b>				\$0	\$0
<b>FUS Core Infrastructure and Technician</b>				\$0	\$0
<b>TOTAL (Max \$130,000)</b>				\$0	\$0
Note: If funded by Virginia Tech state FUS allocation, the awarded project budget will be				\$0	
If funded by the Focusultrasound Foundation directly, the awarded project budget will be				\$0	