



For Immediate Release

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AANS Neurosurgery Technology Development Grant Now Available through NREF

October 1, 2018 (Rolling Meadows, Ill.) – The Neurosurgery Research & Education Foundation (NREF) is pleased to announce that applications for the **AANS Neurosurgery Technology Development Grant** will now be administered through the NREF.

The grant is awarded in March of each year, and is open to AANS member medical students and current neurosurgical residents in approved North American training programs. The recipient is required to submit a late-breaking abstract for the following AANS Annual Scientific Meeting.

The application of technology to medicine has yielded tremendous advances in the diagnosis and treatment of disease. “Neurosurgery has benefited greatly from technological advances, such as non-invasive imaging techniques, surgical tools like the operating microscope, computer-assisted neuronavigation and technology-based therapeutics, such as image-guided radiosurgery,” says Mark R. Iantosca MD, FAANS, Chair of the AANS Information Technology Committee.

The AANS, in conjunction with the Information Technology Committee and Young Neurosurgeons Committee (YNC), would like to empower young innovative minds in the field to develop technology-related research projects via the AANS Neurosurgery Technology Development Grant.

The grant provides startup funds for student or resident research projects that apply cutting-edge technology into neurosurgical training (e.g., 3-D printing, virtual reality, personal activity monitoring) or the improvement in neurosurgical patient outcomes.

Proposals for the 2019 grant will be accepted beginning October 1, 2018 with submissions due January 1, 2019. In addition to a CV and a faculty mentor support letter, applicants will submit a one- to two-page project proposal which will include the following: background, methods, outcomes measures, budget and overview of the plan to integrate a technology project into neurosurgery education or patient care. Proposals will be screened for appropriateness as well as for feasibility of completion within a one-year time frame. The award announcement will be made in March 2019.

The grant award will be \$2,500-10,000, depending on the size, scope and budget of the project.

Congratulations to 2018 AANS Neurosurgery Technology Development Grant winner, **Shervin Rahimpour MD**, from Duke University for his proposal, “Augmented Reality Assisted Placement of External Ventricular Drain.” Topics for the runner-up proposals were:

- Development of Photogrammetry for Neurosurgical Anatomy Teaching
- Facilitating Cortical Plasticity using Non-invasive Brain Stimulation in Glioma Patients

To apply or for more information about the AANS Neurosurgery Technology Development Grant, please visit the **[My Applications](#)** section of myAANS.org.

For more information about other NREF grant programs, visit the NREF online at www.nref.org or contact Cathy Powers at 847.378.0540 or cmp@aans.org.

About the NREF

The NREF is a not-for-profit 501(c)(3) organization created in 1980 by the American Association of Neurological Surgeons (AANS) to support research and education efforts that enhance and confirm the critical role neurosurgeons play in improving lives.

The NREF is dedicated to providing education to neurosurgeons at all stages of their careers, as well as funding research into new and existing neurosurgical treatments, in order to identify links between best practices and improved outcomes in patient care. Through voluntary public donations, corporate support, and donations from allied groups, the NREF supports endeavors that impact the lives of those suffering from epilepsy, stroke, brain tumors, spinal disorders, sports-related head injuries, lower back pain and Parkinson's disease.

For more information about NREF, visit www.nref.org.

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