

CELEBRATING 40 YEARS TOGETHER

DEPARTMENT OF MEDICAL PHYSICS

UNIVERSITY OF WISCONSIN-MADISON



WELCOMING

THE NEW

CHAIR

We are ecstatic to announce that Dr. Brian Pogue will be joining us as the next Chair of the Department of Medical Physics. Dr. Pogue is currently the MacLean Professor of Engineering at Dartmouth's Thayer School of Engineering.

He also serves as the co-director of the Translational Engineering in Cancer Science Program at the Dartmouth-Hitchcock Norris Cotton Cancer Center, as well as co-director of Dartmouth's Medical Physics PhD program. Dr. Pogue obtained his undergraduate and master's degrees in physics from York University in Toronto, Canada and his PhD in medical physics from McMaster University in Hamilton, Canada. Following his research fellowship at Harvard Medical School and Massachusetts General Hospital, he joined the faculty at Dartmouth, where he was promoted to full professor in 2008.

Dr. Pogue is a highly productive scientist and a deeply respected teacher and mentor. His past leadership roles include service as dean of graduate studies for Dartmouth, as well as co-founder of Dartmouth's Center for Imaging Medicine.

His scientific interests include medical imaging, radiation therapy, molecular-guided surgery, and cancer tumor biophysics and modeling

In 2014, Pogue launched DoseOptics, a company based on the technology he developed that effectively delivers radiation in real-time with increased precision.

He is the president, while co-founder William Ware, Jr., Th'94, is the CEO. The company has secured more than \$6 million in funding, including from the National Institutes for Health, and the device should have approval from the Food and Drug Administration by early 2020.

Pogue is working on another spinoff company, Quel Imaging, LLC as well to develop technology to improve fluorescence imaging. One product would help measure the performance metrics of existing surgical imaging systems that guide cancer surgery, while another would provide a low-cost fluorescence imaging based on smart phone cameras. Both would improve patient outcomes in surgical treatment, while reducing costs. At the same time, their phone-based technology could make fluorescence technology more widely available, dropping the price of the technology by tens of thousands of dollars. In addition to his current entrepreneurial efforts, Dr. Pogue holds 12 patents.

His honors and awards include election to the National Academy of Inventors, fellowship in the Society for Optics & Photonics, and winner of the American Society of Photobiology's Light Path Award.

After twenty-three years at Dartmouth, Pogue is grateful to be joining the long-held reputation of leaders in the Department of Medical Physics leadership at the University of Wisconsin-Madison. Pogue will be joining the department in early January 2022.



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