



Distinguished **BME Seminar Series**

Bruce J. Tromberg, Ph.D.

Director

National Institute of Biomedical Imaging and Bioengineering

Date: Monday, February 10, 2020

Time: 4:00 p.m.

Location: Zayad Building Room 2119A

Reception to immediately follow in Chevy Chase Room

Faculty Host: Dr. Nicholas Durr



Engineering the Future of Health

Bio: Bruce J. Tromberg, Ph.D., is Director of the National Institute of Biomedical Imaging and Bioengineering (NIBIB) at the National Institutes of Health (NIH), a post he assumed in January 2019. Prior to his appointment at NIBIB, Dr. Tromberg was a professor in the Departments of Biomedical Engineering and Surgery at the University of California at Irvine (UCI). He served as director of UCI's Beckman Laser Institute and Medical Clinic (BLIMC) from 2003 to 2018, and was the principal investigator (PI) of the Laser Microbeam and Medical Program (LAMMP), an NIH P41 National Biomedical Technology Resource Center, from 1997-2018. In addition to advisory committee appointments with numerous national and international entities, Dr. Tromberg provided expertise on NIH working groups, review committees, and boards, including the NIBIB National Advisory Council from 2012-2016. Dr. Tromberg's research spans biophotonics and biomedical optics, two rapidly growing fields that use light to image and conduct therapy at the molecular, cellular and tissue levels. He has co-authored more than 450 publications and holds 18 patents for biophotonics technologies and their applications in areas such as cancer, neuroscience and vascular disease. He specializes in new technology development as well as the "bench to bedside" clinical translation, validation and commercialization of bedside and wearable devices. Dr. Tromberg received his undergraduate training in Chemistry from Vanderbilt University and M.S. and Ph.D. degrees in Chemistry from the University of Tennessee where he was a U.S. Department of Energy/Oak Ridge Associated Universities Fellow at the Oak Ridge National Laboratory. Dr. Tromberg was a Hewitt Foundation Photomedicine Fellow at the BLIMC and joined the UC Irvine faculty in 1990. He has received several awards for his work including the R&D 100 award, the Michael S. Feld Biophotonics Award from The Optical Society (OSA), the Directors Award from the International Society of Optical Engineering (SPIE), and is a Fellow of the OSA, SPIE, and the American Institute for Medical and Biological Engineers (AIMBE)