

INNOVATION PROGRAMS AT NSF

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Abstract

Innovation programs at the National Science Foundation (NSF) advance ideas from the laboratory to the marketplace to strengthen America's economy, health, and security. Several programs at NSF are focused on translating fundamental research into market solutions. NSF supports and trains researchers with promising technologies, as well as funding high-tech startups. Learn about the NSF's central role in accelerating the growth of the national ecosystem and hear about specific funding opportunities.

Bio note: Katie Bratlie earned her B.S. degree from the University of Minnesota in 2003 and her PhD degree from the University of California, Berkeley under the supervision of Prof. Gabor Somorjai. She then conducted post-doctoral research at MIT as an NIH fellow in Prof. Bob Langer's lab and subsequently joined the Department of Materials Science & Engineering and the Department of Chemical & Biological Engineering at Iowa State University as an Assistant Professor in 2011. Her current research thrusts include the development of biomaterials for medical applications and evaluation of these materials in *in vitro* and *in vivo* contexts for drug delivery and regenerative medicine. She received the NSF BRIGE Award in 2012, the ISU Honors Mentor Award in 2014, was nominated "Outstanding Faculty Member" by the Interfraternity Council in 2015, and won both the Akinc Excellence in Research and Teaching Awards in 2015. She has been a Program Director for the Partnerships for Innovation (PFI) and SBIR/STTR programs since 2020.