

Stanford



Ross Venook, PhD

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BIO

Ross is a Lecturer in the Bioengineering department and he directs Engineering at the Stanford Byers Center for Biodesign.

Ross co-leads two undergraduate courses at Stanford—an instrumentation lab (BIOE123) and an open-ended capstone design lab sequence (BIOE141A/B)—and he supports other courses and runs hands-on workshops in the areas of prototyping and systems engineering related to medical device innovation. He enjoys the unique challenges and constraints offered by biomedical engineering projects, and he delights in the opportunity for collaborative learning in a problem-solving environment.

An Electrical Engineer by training (Stanford BS, MS, PhD), Ross' graduate work focused on building and applying new types of MRI hardware for interventional and device-related uses. Following a Biodesign Innovation fellowship, Ross helped to start the MRI safety program at Boston Scientific Neuromodulation, where he continues working across the MRI safety community to create and improve international standards and to enable safe MRI access for patients with implanted medical devices.