

INTEGRATING
ENGINEERING EDUCATION
AND RESEARCH TO
DEVELOP TOOLS THAT
REDUCE DOMESTIC AND
GLOBAL HEALTH
INEQUITIES



Dr. Rebecca Richards-Kortum

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DEPARTMENT OF BIOENGINEERING

RICE UNIVERSITY

WEDNESDAY, APRIL 3, 2019

11:00AM – 12:00PM

ROOM 3410

ENG Distinguished Lecture: Dr. Rebecca Richards-Kortum

Date: April 3rd, 2019

Time: 11am-12pm

Location: Room E3410

Subject: ENG Distinguished Lecture: Dr. Rebecca Richards-Kortum

Please join us on Wednesday, April 03, 2019 for an ENG Distinguished Lecture by Dr. Rebecca Richards-Kortum.

Rebecca Richards-Kortum is the Malcolm Gillis University Professor and a member of the Department of Bioengineering at Rice University. She is also Director of the Rice 360° Institute for Global Health and serves as the special advisor to the Provost on health-related research and educational initiatives.

Dr. Richards-Kortum's research has been instrumental in improving early detection of cancers and other diseases, especially in low-resource settings. Her Optical Spectroscopy and Imaging Laboratory integrates advances in nanotechnology and molecular imaging with microfabrication technologies to develop optical imaging systems that are inexpensive, portable, and provide point-of-care diagnosis. Her research has led to the development of 40 patents. She is author of the textbook *Biomedical Engineering for Global Health*, more than 230 refereed research papers, and 11 book chapters. She is a member of the National Academy of Sciences, the National Academy of Engineering, the American Academy of Arts and Sciences and the National Academy of Inventors, and numerous other organizations. In 2008, she was named a Howard Hughes Medical Institute Professor and subsequently received a grant for the undergraduate global health program at Rice. This program won the Science Prize for Inquiry-Based Instruction from *Science* magazine and the Lemelson-MIT Award for Global Innovation. In 2016, the American Institute for Medical and Biomedical Engineering (AIMBE) presented its highest honor, the Pierre Galletti Award, to Dr. Richards-Kortum and the MacArthur Foundation awarded her one of its esteemed fellowships.

Lecture Title

Integrating engineering education and research to develop tools that reduce domestic and global health inequities