

Press Inquiries

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Scientific Advisory Board

MICHELE FOLLEN, MD, Ph.D. is the Director of Biomedical Engineering for a large cancer center. She holds four degrees from the University of Michigan and privileges The University of Texas Health Science Center, Hermann Hospital and Lyndon Baines Johnson Hospital, among others.

Dr. Follen's goal has been to serve the institution's mission by attempting to build a diverse program addressing excellence in patient care, teaching, and research in cervical cancer prevention. The main focus of Dr. Follen's career is cervical cancer prevention. She has published more than 167 peer-reviewed articles and 10 book chapters, one book, and 40 invited articles, most of which are on the topics of cancer prevention. Two books on biomedical engineering authored in concert with Dr. Richards-Kortum are now being prepared for publication.

Dr. Follen's research program has components in chemoprevention and biomarker development, fluorescence spectroscopy as a diagnostic and screening device, the immunobiology of the human papilloma virus, and the epidemiology of cervical cancer.

REBECCA RICHARDS-KORTUM, Ph.D. is the Stanley C. Moore Professor of Bioengineering, Chair of the Bioengineering Department and Professor of Electrical and Computer Engineering at Rice University. Her research centers on new, noninvasive cancer detection technologies that use high-resolution, optical imaging; the use of fluorescent imaging agents for cancer detection; biophysical studies of the light-scattering properties of cells and

tissues; and the use of fibre optic sensors for in vivo detection of cancer.

Dr. Richards-Kortum earned her master's and doctoral degrees in medical physics from the Massachusetts Institute of Technology in 1987 and 1990, respectively. She joined the University of Texas at Austin's electrical and computer engineering department in 1990.

An optical wand developed by Dr. Richards-Kortum and Dr. Michele Follen is currently in clinical trials for early detection of cervical cancer and precancer. The wand uses fluorescence spectroscopy to develop automated methods of screening for pre-invasive cervical cancer.

CALUM MACAULAY, Ph.D. is the head of the Cancer Imaging Department, British Columbia Cancer Research Centre, BCAA. Dr. MacAulay is a Clinical Associate Professor in the Department of Pathology and an Associate Member of the Physics Department at the University of British Columbia.

Dr. MacAulay's special research interests and accomplishments are Quantitative Microscopy and tissue optical properties, which include tissue fluorescence and ultrasound imaging. In addition to Dr. MacAulay's academic appointments, he is also a member of numerous scholarly societies, organizations, and editorial boards. He is an inventor and/or co-inventor in 18 granted patents and 35 pending patents with numerous provisional patents recently filed. Dr. MacAulay is responsible for more than 200 peer-reviewed publications and 13 book chapters.