

Spring 2008 SEMINAR SERIES

F21C Bioprocessing & Biosensing Center

• DIVISION OF FOOD SYSTEMS & BIOENGINEERING •

PRESENTER:

Dr. Paul Dale

Chief of Surgical Oncology, Ellis Fischel Cancer Center
University of Missouri

TITLE:

The high tech bio-med attack against breast cancer

ABSTRACT:

Breast cancer is the second leading cause of cancer deaths in American women and 1:7 women will be diagnosed in their lifetime. Improvements in screening and new anti-estrogen therapeutic agents have reduced the death rate from breast cancer. The past 100 years has seen a gradual progression from radical surgery to less invasive options such as breast conserving therapy with lumpectomy, axillary staging and post operative radiation therapy. This talk is going to focus on the impact biomedical engineering has had, is having, and will have on the treatment of this disease. Upon completion the audience will have an understanding of the technique of sentinel lymphadenectomy, the application of brachytherapy for breast cancer and novel techniques to detect circulating tumor cells or related proteins currently under collaborative clinical investigation here at MU.

BIOGRAPHY:

Paul S. Dale, MD, FACS is an associate professor of clinical surgery with the Department of Surgery and the Chief of the Division of Surgical Oncology at the University of Missouri-Columbia, Ellis Fischel Cancer Center. He is also the Margaret Proctor-Mulligan Distinguished Faculty Scholar and is the Cancer Physician Liaison to the A.C.S. for Ellis Fischel Cancer Center.

He attended the University Of Alabama School Of Medicine in Birmingham and completed residency in general surgery at Mercer University School of Medicine. He was fellowship trained in Surgical Oncology at the John Wayne Cancer Institute in Santa Monica, CA. Dr. Dale is board certified with the American College of Surgeon and a fellow of the A.C.S. Prior to joining the faculty at the University of Missouri-Columbia, Dr. Dale spent 10 years in private practice at Southeastern Surgical Oncology in Macon, Ga, and was the Chief of Surgical Oncology at Mercer University School of Medicine. Dr. Dale joined the faculty here at the University in August of 2004. His practice includes cancers of the breast, liver, gastrointestinal, melanoma. His interests include cancer prevention, cancer screening and surgical oncology.

DATE • TIME • LOCATION:

Tuesday, January 29, 2008, 4:00 pm

Ag Eng Bldg 105 • Refreshments