

Co-sponsored by:



CASE
COMPREHENSIVE
CANCER CENTER



CASE WESTERN RESERVE
UNIVERSITY

INSTITUTE FOR THE SCIENCE OF ORIGINS

CANCER CENTER SEMINAR SERIES



Robert A. Gatenby, MD

*Chair, Diagnostic Imaging and
Integrated Mathematical Oncology*
H. Lee Moffitt Cancer Center

Robert A. Gatenby, MD is the Chairman of the departments of Radiology and co-director of the Integrated Mathematical Oncology at H. Lee Moffitt Cancer Center. He joined Moffitt in 2008 from the University of Arizona where he was Professor, Department Radiology and Professor, Department of Applied Mathematics since 2000. He received a B.S.E. in Bioengineering and Mechanical Sciences from Princeton University and an M.D. from the University of Pennsylvania in 1977. He completed his residency in radiology at the University of Pennsylvania where he served as chief resident. Bob remains an active clinical radiologist specializing in body imaging. While working at the Fox Chase Cancer Center after residency, Bob perceived that cancer biology and oncology were awash in data but lacked coherent frameworks of understanding to organize this information and integrate new results. Since 1990, most of Bob's research has focused on exploring mathematical methods to generate theoretical models for cancer biology and oncology. His current modeling interests include: 1. the tumor microenvironment and its role in tumor biology. 2. evolutionary dynamics in carcinogenesis, tumor progression and therapy. 3. information flow in living systems and its role in maintaining thermodynamic stability.

“Evolutionary Dynamics in Carcinogenesis and Cancer Treatment”

Friday, October 8, 2010

Frohring Auditorium - BRB 105

12:00 p.m. – 1:00 p.m.

