

ISTITUTO ORTOPEDICO RIZZOLI

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THE EVOLUTIONARY BIOLOGY OF CANCER

Robert J. Gillies, PhD



Dr. Robert J. Gillies is currently Chairman of the Department of Cancer Imaging and Metabolism; Director of the Center of Excellence in Cancer Imaging and Technology; Vice-chair for Research in the Department of Radiology; and Scientific Director of the Small Animal Imaging Lab (SAIL) at the H. Lee Moffitt Cancer Center and Research Institute in Tampa, FL.

In addition to authoring over 200 peer-reviewed manuscripts, Dr. Gillies has received numerous local, national, and international awards for his teaching and research, including; Researcher of the Year-2012 (Moffitt Cancer Center), the Furrow Award for Innovative Teaching (U. Arizona), the Yuhus Award for Radiation Oncology Research (U. Penn), the TEFAF professorship (U. Maastricht), and the award for Distinguished Basic Scientist of 2009 from the Academy of Molecular Imaging.

Dr. Gillies' vision for the Moffitt imaging initiative includes development of new applications to diagnose, predict and monitor therapy response using noninvasive imaging. This work spans from molecular and chemical, from animal studies to human clinical trials and patient care. Dr. Gillies also leads a post-doctoral/resident training program in cancer imaging. His research is focused on functional and molecular imaging of cancer, specifically with an emphasis on the use of imaging to inform evolutionary models of carcinogenesis and response to therapy.