Proton and Particle Beams in Cancer Management
Sponsored by the Program in Radiation Biology
Department of Radiation Oncology & Stanford Linear Accelerator Center (SLAC)

7:30-8:00 Breakfast
8:00-8:10 Welcome and Introductory Remarks
   Amato Giaccia, Stanford University / Steve Kahn, SLAC
8:10-8:50 Particle Beam Therapy
   Herman Suit, Massachusetts General Hospital
8:50-9:20 The Status of Particle Beam and Proton Research at PSI
   Tony Lomax, Centre for Proton Radiotherapy, Switzerland
9:20-9:50 Proton Beam Implementation and Physics Research At MDACC
   Radhe Mohan, MD Anderson Cancer Center
9:50-10:20 Perspectives on Implementing Proton Therapy in the Clinics
   Steve Hahn, University of Pennsylvania

10:20–10:35 Break
10:35-11:05 Proton Beam Therapy for Pediatric Tumors
   Nancy Mendenhall, University of Florida
11:05-11:35 Proton Beam Therapy for Non-Pediatric Tumors
   Ritsuko Komaki, MD Anderson Cancer Center
11:35-12:15 Clinical Application and Research in Carbon Ion Therapy
   Hirohiko Tsujii, National Institute of Radiological Sciences, Chiba, Japan

12:15-1:30 Lunch
1:30-1:45 Particle Beam Development at Varian
   Marcel Marc, Varian Medical Systems
1:45-2:00 Particle Beam Development at Siemens
   Dennis Falkenstein, Siemens Medical Solutions
2:00-2:15 IBA’s Proton/Carbon Beam Therapy System Based on a Superconducting Cyclotron:
   Status of the Design and the Prototype Construction
   Yves Jongen, IBA Group
2:15-2:45 Particle Therapy Applications of the Geant4 Simulation Toolkit
   Joseph Perl, SLAC
2:45-3:15 Status of Particle Accelerators at Stanford
   Mark Cappelli, Stanford University
3:15-3:30 Wrap Up, Questions and Answer
   Amato Giaccia & Quynh-Thu Le, Stanford University

Friday April 18, 2008
Panofsky Auditorium, SLAC