



## **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**

