



Southwest Chapter Spring 2010 Meeting
American Association of Physicists in Medicine
Louisiana State University
Cook Conference Center & Hotel, Baton Rouge, LA
March 5-6, 2010

PROGRAM SCHEDULE

Thursday, March 4, 2010

6:30-8:30 **Icebreaker (hors d'oeuvres)**
Vendor Setup Lod Cook Hotel
Conference Center

Friday, March 5, 2010

7:30-8:15 **Continental Breakfast in Exhibit Area** Abell Board Room

8:15-8:20 **Welcome and Introductions** Noland/Laborde Hall

8:20-10:00 **Session I- Young Investigators Symposium**
(Chair: Salahuddin Ahmad, PhD) Noland/Laborde Hall
• 10 Proffered Young Investigator Presentations

10:00-10:25 **Morning Break in Exhibit Area** Abell Board Room

10:30-12:15 **Session II- Electron Radiation Therapy** Noland/Laborde Hall
(Chair: Ken Hogstrom, PhD)
• *The Current Status of Electron Therapy* – Ken Hogstrom, PhD
• *Bolus Electron Conformal Therapy* – Rajat Kudchadker, PhD
• *Clinical Use of Bolus ECT and TomoTherapy in H&N Therapy* – Greg Henkelmann, MD
• *AAPM Recommendations for Clinical Electron Beam Dosimetry:*
Supplement to the Recommendations of Task Group 25 – Dimitris Mihailidis, PhD

12:20-1:20 **Lunch Buffet** Atrium

1:30-3:15 **Session III- Secondary Cancer Risks in Radiation Medicine** Noland/Laborde Hall
(Chair: Jonas Fontenot, PhD)
• *Secondary Cancer Risk Assessment* – Jonas Fontenot, PhD
• *Risks in CT Scanning* – Jon Anderson, PhD
• *Risks in PET and SPECT Scanning* – Pat Zanzonico, PhD
• *Risks in X-ray Therapy* – David Followill, PhD
• *Risks in Proton Therapy* – Wayne Newhauser, PhD

3:15-3:40 **Afternoon Break in Exhibit Area** Abell Board Room

3:45-5:30 **Session IV- Synchrotron Radiation for Biomedical Science and Radiation Medicine Research (Chair: Ken Hogstrom, PhD)** Noland/Laborde Hall

- *Synchrotron Radiation & LSU Synchrotron* – Rich Kurtz, PhD
- *LSU Synchrotron, Biomedical Beamline* – Ken Hogstrom, PhD
- *Synchrotron Medical Imaging Research* – Kip Matthews, PhD
- *Protein Crystallography at LSU Synchrotron* – Henry Bellamy, PhD
- *Synchrotron Radiation Therapy Research* – Ken Hogstrom, PhD

6:00-6:45 **Gathering** Laborde Courtyard & Atrium

6:45-8:00 **Awards Dinner** Noland/Laborde Hall

Saturday, March 6, 2010

7:00-8:00 **Continental Breakfast in Exhibit Area** Abell Board Room

8:00-8:50 **SWAAPM Business Meeting** Noland/Laborde Hall

9:00-10:30 **Session V- Professional Topics (Chair: John Gibbons, PhD)** Noland/Laborde Hall

- *Role of the Medical Physicist in Public Relations* – Amy Benton
- *Upcoming ABR Requisites for Medical Physicist Certification* – Bill Hendee, PhD
- *Medical Physicist Residency Programs: Current and Future* – John Gibbons, PhD
- *Supply and Demand for Medical Physicists* – Mike Mills, PhD

10:30-10:45 **Morning Break in Exhibit Area** Abell Board Room

10:45-12:30 **Session VI- General Radiotherapy Accelerators: Overview of Clinical Medical Physicist Experiences (Chair: Brent Parker, PhD)** Noland/Laborde Hall

- *Introduction* – Brent Parker, PhD
- *Elekta Infinity®* – Brent Parker, PhD
- *Siemens Artiste™* – Joseph Finnegan, MMSc
- *TomoTherapy Hi-Art®* – John Gibbons, PhD
- *Varian Trilogy™* – Peter Balter, PhD

End of Scientific Program

1:00-5:30 **Optional Social Function**
 Tour of Plantation Home
 (Information will be provided for those wishing to visit a nearby plantation home as a group)