The RSNA Scientific Assembly and Annual Meeting will take place from November 28th to December 3th at McCormick Place in Chicago. More than 60,000 medical and science professionals from around the globe are expected to attend, making it the world’s largest medical meeting, featuring over 4,000 scientific papers, posters, and education exhibits, and over 300 refresher courses. Once again, the Department of Radiology at the University of Chicago will provide many scientific and educational contributions to the meeting, and we encourage you to attend or view the presentations and exhibits listed in this newsletter. If you plan to attend the meeting, please join us for the Hodges Annual Alumni Reception on Monday, November 29th, from 6:00-8:00pm for cocktails and hors d’oeuvres. The reception will be held at Rhapsody restaurant at 65 East Adams Street in Chicago. While there, we encourage you to update your contact information with us. Also, please stay to support this year’s winners of the Hodges Excellence Award and Hodges Research Grants.

Paul C. Hodges Annual Research Award

The Hodges Society Annual Research Award provides grants for selected individuals with promising research proposals. This year, two investigators were chosen to receive funding:

**Yahui Peng, PhD**
Advisor: Yulei Jiang PhD, Aytekin Oto MD  
*Virtual Whole-mount Prostate Histology for Improved Radiology-histology Correlation*

**Jeremy Bancroft Brown**
Advisor: Maryellen Giger, PhD  
*Comparison of Population-Based Kinetic Feature Extraction Methods with Pharmacokinetic Modeling Techniques in Dynamic Contrast-Enhanced Prostate MRI*

RSNA Resident Award

Congratulations go out to our current PGY3 resident Neel Patel, MD, who was recently selected to participate in the Introduction to Academic Radiology Program sponsored by the RSNA/AUR/ARRS this coming spring.
Recent Grants and Awards

**Patrick LaRiviere, PhD:** NIH R21 grant entitled “X-ray Fluorescence Computed Tomography with Emission Tomography Apertures” has been funded for $275,000 in collaboration with Ling-Jian Meng at the University of Illinois.

**Samuel Armato III, PhD:** received a Preclinical Pilot Translational Study Award from the University of Chicago Institute for Translational Medicine: "Development of a Novel Tool for Measuring Upper Airway Inflammation: 3D Computer Imaging Analysis", with total direct costs of $35,768 for 1 year.

**Xiaochun Pan, PhD:** 2010 recipient of a technical award from the IEEE Engineering in Medicine and Biology Society (EMBS) for “significant contributions to medical imaging.” The award was presented at the EMBS 2010 conference in Buenos Aires, Argentina.

**Abbie M. Wood BS:** has been chosen by the RSNA Scientific Program Committee to receive the RSNA Trainee Research Prize for the research project: “Off-peak Components of the Water Resonance Show Blood Vessels and May Distinguish Malignant and Benign Breast Lesions” in the category “Resident/Physics Trainee Award”.

Radiology Poster a Winner at Quality Fair

The Department of Radiology had a strong presence at this year’s University of Chicago Medical Center Quality Fair as well as a winning poster. The Department was well represented at the Fair, with 6 of the 40 exhibits created by Radiology faculty and staff. Furthermore, the Musculoskeletal Imaging Section’s contribution, *Reducing Radiation Exposure during CT-guided Musculoskeletal Interventional Procedures*, was selected as one of the three winning posters. (G. Scott Stacy, MD, Orlin Hadjiev, MD, Larry Dixon, MD and Chris Straus MD) The poster summarized the Section’s successful attempt to decrease radiation exposure to patients undergoing biopsy and radiofrequency ablation while maintaining an excellent procedure success rate. Using CT-fluoroscopy for image-guided bone biopsies, the team was able to perform procedures safely and effectively with an average radiation dose nearly ten times less than that used during the previous year.
PLENARY SESSIONS

Saturday, November 27, 2010
02:00PM PS02 E253AB. Vannier MW: NIH Grantsmanship Workshop Clinical Trials in Applications.

SPECIAL INTEREST/CONTROVERSIES/HOT TOPICS

Tuesday, November 30, 2010
7:15AM SC30, E351. Giger ML, Boone JM, Brem RF, Kinahan PE, McNitt-Gray MF, Newstead GM: CAD for Breast, Lung, and Colon Cancer: Is Quantitative Image Analysis for Clinical Practice?

SESSION KEYNOTE ADDRESS

Tuesday November 30, 2010

QUANTITATIVE IMAGING ROOM SPECIAL EXHIBIT


EXHIBITS

BREAST

EMERGENCY RADIOLOGY

COMPUTED TOMOGRAPHY
GASTROINTESTINAL RADIOLOGY

GENITOURINARY RADIOLOGY
U of C Radiology at RSNA

MUSCULOSKELETAL

PHYSICS AND BASIC SCIENCE


PEDIATRIC

REFRESHER COURSE DIRECTORS

Sunday, November 28, 2010 through Friday, December 3, 2010, 2:00pm - 3:30pm

REFRESHER COURSES

Sunday, November 28, 2010
2:00PM RC150. Abe H: MR-Guided Intervention Hands-On Workshop.

2:00PM RC115B. Neustad GM: Clinical Breast MR Imaging: An Interactive Session: When to Biopsy.

2:00PM RC123A, S504CD. Giger ML: A Short History of CAD.

Monday, November 29, 2010
8:30AM RC201C. MacMahon H: Fleischner Guidelines for Solid Nodules.

8:30AM RC226, S403A. Chang PJ: Enterprise Imaging (Informatics in Practice) (In Association with the Society for Imaging Informatics in Medicine).

8:30AM RC221B, S406B. Sidky E: Breast Tomosynthesis: Update on Image Acquisition and Reconstruction Techniques.


Tuesday, November 30, 2010

8:30AM RC323B, S504CD. Armato SG III: CAD in Lung Imaging.

8:30AM RC321B, S503AB. Giger ML: Computer-aided Diagnosis (CADx) and Beyond (Prognosis and Response to Ther-
U of C Radiology at RSNA


Thursday, December 2, 2010


Friday, December 3, 2010
8:30AM RC 815B. Schmidt RA: Advanced Breast Imaging/Technology: Digital Mammography.

MULTI-SESSION COURSES

Tuesday, November 30, 2010

SCIENTIFIC PRESENTATIONS

Sunday, November 28, 2010
11:45AM SSA19-07, S403B. Wang J, Li F, Doi K, Li Q: Quantification of Interstitial Lung Disease in CT: Automated Detection of Abnormal Lung Volumes.


Monday, November 29 2010


3:10PM SSE06-02, S404CD. MacMahon H, Li F, Engelmann R: Improved Detection of Pneumonia by Chest Radiographs with Bone Suppression Imaging.


Tuesday, November 30 2010


Wednesday December 1, 2010


U of C Radiology at RSNA


SCIENTIFIC POSTERS

PHYSICS AND BASIC SCIENCE

CHEST

Thursday, December 2, 2010

SESSION MODERATORS

Sunday, November 28, 2010

Monday, November 29, 2010
3:00PM SSE21, S403A. Doi K, Highnam RP. Physics (CAD: Breast).

3:00PM SSE11, E353B. Sala E, Oto A. Genitourinary (Prostate Imaging II).

Tuesday, November 30, 2010

10:40AM E450A. Newstead GM. ISP: Breast Imaging (Computer Image Analysis).

Wednesday, December 1, 2010

Friday, December 03, 2010
10:30AM SST14, S403B. Hadjiiski LM, La Riviere PJ. Physics (PET, SPECT, and Molecular Imaging).

10:30AM SST15, S404AB. Pan X. Physics (CT Dose and Reconstruction).

Keep in Touch!

Please forward your updated contact information to us by email.
Any suggestions, questions or comments, please contact:
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