The Value of Membership

R&E Foundation Grants Launch Careers, Spur Added Funding

RSNA members can take an active role in moving the specialty forward by supporting—or applying for—the Research & Education (R&E) Foundation grants that represent the future of radiology and related scientific disciplines.

The R&E Foundation has grants available for medical students, residents, fellows and faculty at all levels. From hypothesis-driven basic science, translational and clinical studies to development of new strategies for teaching methods, the Foundation supports projects that are changing the way radiologists practice and learn.

In 2013, the Foundation will fund 83 grant projects totaling more than $3 million—and that’s just the beginning. An R&E grant is a pathway to greater funding. Surveys show that in the Foundation’s brief history, R&E grant recipients have gone on to receive upwards of $1 billion in subsequent funding from other sources such as the National Institutes of Health (NIH).

“While searching for scholarships for my project, funding opportunities for radiological studies were much scarcer than other fields of medicine,” said Aileen Kim, B.S., a third-year medical student at Duke University. “I am very grateful that RSNA found value in my project and provided financial support during the research period. This was my first research project in which I was the principal investigator. I had an invaluable opportunity to work with my research mentor, a renowned expert in the field, and other co-investigators who gave their time and guidance. I was given a unique learning experience with cutting-edge imaging data and technology. This project definitely reinforced my interest in a research career.”

Visit RSNA.org/foundation for more information or to submit an application.

Residents & Fellows Corner

RSNA Recognizes Chief Residents

As part of its commitment to support radiologists in every stage of their careers, RSNA takes this time of the year to acknowledge those selected as chief residents.

“The contributions of these physicians help our specialty continue to advance,” said RSNA Board Chair Ronald L. Arenson, M.D. “We congratulate them on their success.”

RSNA recently sent each new chief resident a gift box including a “Chief Resident” mug and RSNA coaster. RSNA also acknowledges radiology program coordinators for their efforts to ensure that RSNA reaches all radiology residents. This year each coordinator received an RSNA padfolio. “These coordinators provide critical assistance to RSNA, ensuring that residents receive pertinent RSNA information throughout the year,” Dr. Arenson said.

RSNA membership is free for residents and fellows and dues are discounted the first two years of practice. Learn more at RSNA.org/Benefits_Overview.aspx.

Aileen Kim, B.S., (left) with scientific advisor David M. Brasil, M.D. (right)

"Imaging science is continuing to expand at a rapid pace," said Scientific Program Committee chair Matthew A. Mauro, M.D. “New modalities or techniques such as tomosynthesis, elastography, immunoradiology, MRI/PET and high-intensity focused ultrasound are well represented within this year’s scientific program.”

Applications of current imaging modalities are expanding to better explore neurodegenerative diseases, traumatic brain injuries and atherosclerosis, and presentations will describe the expansion of mobile devices for on-site image interpretation and the investigation of emergency imaging utilization, Dr. Mauro added. “There will be components of the scientific program that will stimulate all attendees,” he said. “It should not be missed.”

Along with the traditional stand-alone posters and electronic education exhibits, RSNA 2013 will feature a new concept—Enhanced Education Exhibits, said Isaac R. Francis, M.D. “We will be trying Enhanced Education Exhibits on a select few traditional stand-alone posters, which will have embedded QR codes as well as additional features such as video clips, quiz material and teaching points,” Dr. Francis said. “These can be downloaded to smartphones and tablets to be viewed at the meeting or later.”

“New modalities or techniques such as tomosynthesis, elastography, immunoradiology, MRI/PET and high-intensity focused ultrasound are well represented within this year’s scientific program.”
Breast Imaging
This year’s roster of breast submissions includes presentations on clinical tomosynthesis, synthetic 2D images with tomosynthesis, quantitative imaging and MR phenotypes, MR screening of “intermediate risk women”—breast cancer survivors or women with cellular atypia—and clinical implementation for tomosynthesis, said Scientific Program Breast Subcommittee chair Emily F. Conant, M.D. “There is a trend toward imaging and risk prediction tailored toward the individual patient,” Conant said.

Cardiac Radiology
Quantitative imaging with MR is one of the year’s hottest topics, said Arthur E. Stillman, M.D. “We have material for all levels, from coronary artery disease, non-ischemic heart disease, trauma, congenital heart disease, and surgery and interventions,” said Education Exhibits Cardiac Subcommittee chair Shawn D. Teague, M.D. “We are seeing more material on newer procedures such as transcatheater aortic valve implantation and also on new technical advancements such as the next generation of iterative reconstruction with a focus on dose reduction during CT imaging,” Dr. Teague said. “We also have new technical advancements in MR imaging, such as new pulse sequences which provide quantitative information inherent in the sequence. A new topic for this year is combined modalities imaging with PET/MR.”

Chest Radiology
“Interactive screening CT-related abstracts will be presented at this year’s program pertaining to management of nodules and incidental findings,” said Jane P. Ko, M.D., Scientific Program Chest Subcommittee chair. “Additionally, a large number of submissions pertain to lung nodules and malignancy.” Integrated science and practice (ISP) sessions will include keynote lectures on interventional chest radiology and lung nodules and screening, Dr. Ko said.

Emerging topics this year are lung cancer screening, dual-energy CT application and chest MR imaging, said Eric T. Goodman, M.D. “These exhibits cover the gamut of the field,” Goodman said. “We continue to receive a large number of submissions for the educational exhibits and for presentation at RSNA 2013—231 more than last year. Of those, 2,223 were chosen for education exhibits and 2,775 were chosen for formal or scientific presentations.

Stomach Radiology
The largest subcategory, quality improvement, includes exhibits on process mapping and managing a sentinel event, said Dr. Shibata. Attendees can explore widely appealing topics such as “Top Ten Missed Opportunities in the Emergency Department,” “Image Quality: A Systems Approach to Structured Reporting,” and “Improving the Forensic Radiology Cubicle Experience.”

Radiology and Pathology Correlations
Thecorrelation of biomarkers with imaging, especially growth factors and proteases, is highlighted this year, Dr. Kim added. “We are seeing more material on newer software and low kV imaging,” Dr. Stillman said.

Emergency Radiology
“This year, the emergency radiology scientific sessions will highlight a continued focus on CT protocol optimization for emergency imaging of all organ systems in order to improve diagnostic yield and reduce radiation dose,” said Scientific Program Emergency Radiology Subcommittee chair Aaron D. Sidock, M.D., Ph.D. “Dual-energy CT applications continue to grow in the ER setting. There is excellent content focusing on imaging utilization and emergency radiology practice management,” Dr. Sidock said. This year’s Series Courses, combining refresher course content and scientific presentations, are “Advanced Concepts in Imaging of Trauma” and “Leveraging Technologies for State-of-the-Art Practice.”

Gastrointestinal Radiology
CT dose reduction remains one of the most competitive areas for gastrointestinal radiology abstract submission and acceptance, said David H. Kim, M.D., Scientific Program Gastrointestinal Radiology Subcommittee chair. “Besides assessing image quality, investigation is beginning into the important issue of lesion detection ability at these reduced doses,” Dr. Kim said. “It is becoming evident that a trade-off exists with dose reduction, particularly in low-contrast situations such as metastatic disease to the liver.”

Research in imaging biomarkers other than size to assess chemotherapeutic response is highlighted this year, Dr. Kim added. “Given the wide use of anti-angiogenic agents where lesion size may not reflect response, these other markers hold greater importance in assessment during therapy,” he said.

Gastrointestinal Radiology
One of this year’s major emerging topics is the role of PET/MR in oncologic settings, and the widening applications of ultrasound elastography in the abdomen, Dr. Kim said.

New and innovative ideas in PET/MR imaging for abdominal malignancies, diffusion-weighted MR imaging of the bowel and abdominal organs, and virtual CT enteroscopy are among the noteworthy issues for 2013 according to Lisa M. H. Ko, M.D., Education Exhibits Gastrointestinal Radiology Subcommittee chair.

Genitourinary Radiology/ Uroradiology
Because prostate cancer remains a deadly opponent, many national and international abstracts focus on screening and tumor staging both before and during therapy, said Scientific Program Genitourinary Radiology Subcommittee chair Julia R. Fielding, M.D. “Results of international trials for uniform reporting of disease stage open the door to multi-institutional therapy assessment,” Dr. Fielding said. “Total body imaging for staging of gynecological malignancies using diffusion imaging and combined MR and PET imaging are new hot topics for the year.” Kidney neoplasms and prostate neoplasms are among the most competitive areas for submission for 2013, said Aykten Ozturk, M.D., Education Exhibits Uroradiology Subcommittee chair, adding that emerging topics in adrenal imaging are also highlighted.

Health Services Policy and Research/Policy and Practice
In recognition of its increasing importance in our radiology practice, we introduce a new subcategory this year: economics,” said Dean R. Shibata, M.D., Education Exhibits Policy and Practice Subcommittee chair, adding that related sessions will include, “The Role of Radiology in Accountable Care Organizations,” “What Does the Fiscal Cliff Compromise and Sequestration Really Mean,” and “Hospital Readmissions: A Penalty that will Affect Interventional Radiologists.”

The largest subcategory, quality improvement, includes exhibits on process mapping and managing a sentinel event, said Dr. Shibata. Attendees can explore widely appealing topics such as “Top Ten Commonly Misdiagnosed Diagnostic Imaging Studies by Primary Care Physicians” and “Current Status of Nephrogenic Systemic Fibrosis.”

“There will also be a number of interesting topics with medicolegal themes—important subjects which impact everyone practicing radiology today,” Dr. Shibata said. Evidence-based medicine, quality, practice management and management are among this year’s noteworthy presentations, said Scientific Program Services Policy and Research Subcommittee chair Anne M. Kelly, M.D. Innovative research projects include utilization management and its impact on radiology, as well as “smaller packaging of materials—such as contrast material—to save costs overall, a simple concept and solution to a large, important problem,” Dr. Kelly said.

Informatics
“Evidence of the efficacy of decision support tools for ordering clinicians is growing,” said Scientific Program Radiology Informatics Subcommittee chair David S. Hirschorn, M.D. “People keep finding new uses for mobile devices—for patient education about pre-test preparation, for tracking resident procedure logs, and even for as a microphone and speech recording system for dictation. The most popular category of submission remains image processing.”

Important subjects include crowd sourcing in radiology, immediately catching errors in reports, communicating results directly to patients and effective use of decision support, Dr. Hirschorn said.

Education Exhibits Radiology Informatics Subcommittee chair Katherine P. Andriole, Ph.D., said, “We continue to receive a large number of submissions for the educational tools and for the image processing and analysis categories, including an increase in quantitative imaging methods. This year we...”
saw an increase in the number of submissions for the emerging technologies and for the quality-safety categories.” RSNA 2013 attendees can view these exhibits throughout the week, Dr. Androlia noted. “Some focus on hands-on technology while others are translational research and clinical research exhibits.”

**Molecular Imaging**

RSNA is providing a critical venue for national and international scholars to present their latest findings in molecular imaging and to discuss emerging technologies encompassing MR imaging, PET, CT, ultrasound, optical imaging and tracer development, said Subramaniam, M.D., Ph.D., chair of the Scientific Program and Education Exhibits Molecular Imaging Subcommittee.

“Attendees will be able to see translational efforts in molecular imaging—cutting-edge technologies developed in basic sciences and their clinical applications,” Dr. Minoshima noted. Multimodal imaging continues to be a focus of RSNA’s molecular imaging offerings, said Dr. Minoshima, who added that breast cancer abstracts have doubled this year, according to Scientific Program Radiation Oncology Radiation Oncology Radiobiology Subcommittees chair Nina A. Mayr, M.D., adding that breast cancer abstracts have also increased. These increases will synergize well with the respective Radiologic Oncologic and Interventional Oncologic Radiology Skills for Tomorrow (BOOST) course topics, which include anatomy and contouring and case-based reviews of head and neck and breast cancer, Dr. Mayr said. “The head and neck cancer program has an e-contouring session, adding to the quality of the program,” she said. Outcomes research remains strongly represented in radiation oncology, she added.

The challenges of incorporating newer imaging technologies into radiation treatment planning, image registration and response assessment, and an appreciation of the limits of quantitative imaging are of interest this year, said Sunil Krishnan, M.D., Education Exhibits Radiation Oncology Subcommittee chair. Dr. Krishnan observed: “These research trends again highlight the need for constant communication between radiation oncologists and diagnostic radiologists to accurately diagnose, treat and monitor patients.”

**Vascular/Interventional Radiology**

Scott D. Tretiak, M.D., Scientific Program Vascular and Interventional Subcommittees chair, identified radioembolization and dose reduction—for contrast and radiation—as hot topics for 2013, along with research on evidence supporting prostate embolization. “Hopefully this is the ‘next big thing’ in interventional radiology,” Dr. Tretiak said. “Others are increasing interest in ultrasound, accurately diagnose, treat and monitor patients.”

**Neuroradiology**

The Pediatric Campus is located in Rooms S101AB and S102AB of McCormick Place. The Nuclear Medicine/Molecular Imaging Campus is located in S503AB, S504CD and S505AB. Lunch hour and afternoon presentations of scientific posters and education exhibits in the pediatric and nuclear medicine/molecular imaging subspecialties will take place in the campuses.

This year, separate Pediatric and Nuclear Medicine/Molecular imaging campuses feature many components—including refreshers and series courses, scientific presentations, and education exhibits—of these subspecialties, to facilitate focused study during the week.

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Plenary Lectures

**RSNA 2013** will feature plenary session lectures on a spectrum of healthcare topics. All lectures will be presented in the Arie Crown Theater.

**Annual Oration In Diagnostic Radiology**
Sunday, December 1 • 8:30 a.m.
We Must Stand on the Shoulders of Giants
Radiology and interventional oncology share a strong focus on cancer detection and staging, locoregional therapy and follow-up. Despite their mutual goals and complementary skill sets, however, many radiology and radiation oncology departments struggle to be autonomous and at times compete for hospital resources and patients. In the new healthcare paradigm of evidence-based medicine, a cohesive team approach to cancer care makes the most economic sense, says Damian E. Dupuy, M.D., who encourages deeper collaboration between these departments given the shared interests and synergy between their treatments. Patients stand to benefit from the reunification of spirit as well as intellect, he says. Quoting the timeless words of Sir Isaac Newton, Dr. Dupuy notes, “I have seen further than others, it is by standing upon the shoulders of giants.”

Dr. Dupuy is director of tumor ablation at Rhode Island Hospital and a professor of diagnostic imaging at the Warren Alpert Medical School of Brown University. Internationally recognized for his clinical expertise, teaching and research in image-guided ablation, Dr. Dupuy has helped broaden clinical applications to successfully combat adrenal cancer and cancers of the kidney, liver, lung, head and neck and skeleton. He pioneered technologies such as percutaneous microwave ablation, cryoablation and combination therapies using radiofrequency ablation with external radiation or brachytherapy. Dr. Dupuy has been the principal investigator of two National Cancer Institute-funded multicenter trials. Dr. Dupuy chairs the Interventional Oncology Symposium at the RSNA Annual Meeting and is a member of RSNA’s Public Information Advisors Network.

**Eugene P. Pendergast New Horizons Lecture**
Monday, December 2 • 1:30 p.m.
Normal and Neoplastic Stem Cells: Implications for the Radiological Sciences
Research that bears on the earliest stages of cancer development as well as the sequelae of cancer treatment is important not only to radiation oncologists but to diagnostic radiologists as well. An investigation led by Irving L. Weissman, M.D., into blood-forming stem cells and their non-self-renewing progeny found that they hold promise for regenerating the hematopoietic system after chemotherapy and radiation for cancer, replacing genetically defective or otherwise damaged blood-forming systems, understanding the stages of hematopoiesis that harbor the earliest stages of premalignant and providing the first constant target found on all cancers.

Dr. Weissman is a professor in the Department of Pathology and director of the Institute for Stem Cell Biology and Regenerative Medicine in the Stanford University School of Medicine. He has devoted his career to stem cell research, with particular interests including hematopoietic stem and progenitor cells, central nervous system stem and progenitor cells, and lymphocyte differentiation.

Dr. Weissman has founded three companies focused on bringing stem cell therapies into the clinic and served on the founding scientific advisory boards of three others. He has been an investigator of the Howard Hughes Medical Institute in Chicago and the Karolinska Institute Professor of Cancer Biology and chair of the immunology program at Stanford. Dr. Weissman is a fellow in the American Association for the Advancement of Science and was elected to the Institute of Medicine of the National Academy of Sciences.

**Special Lecture**
Tuesday, December 3 • 1:30 p.m.
**Mobilizing Human Potential**
Continuing to address the healthcare challenges of the 21st century means answering some critical questions: How do we educate the students of tomorrow? How do we foster leadership among present and future practitioners? Former U.S. Secretary of State Condoleezza Rice, Ph.D., will explore how technology is changing what the nation’s students are learning and how they are learning it. She will discuss how the use of technology in education, training and practice can help improve healthcare delivery and cost-efficiency.

Dr. Rice served as the 66th Secretary of State of the United States, the second woman and first African American woman to hold the post. She also served as national security advisor for President George W. Bush from 2001 to 2005, the first woman to hold the position. Her numerous books include two best-sellers, “No Higher Honor: A Memoir of My Years in Washington” and “Extraordinary, Ordinary People: Memoir of Family.”

*Note: Tickets are required for the Special Lecture to be delivered by Dr. Condoleezza Rice. Tickets may be obtained via the RSNA 2013 Course Enrollment process at RSNA.org/register.*

**Annual Oration In Radiation Oncology**
Wednesday, December 4 • 1:30 p.m.
**Beneficial Liaisons: Imaging and Therapy**
See the tumor, treat the tumor. How complicated can this be? Not long ago, noted Paul M. Harari, M.D., external anatomy and plan X-rays served as the primary guide for radiation therapy. Broad field design was the prevailing paradigm with the knowledge that the tumor surely resided within. Collateral normal tissue damage was a necessary accompaniment of treatment and tumor dose was largely limited by normal organ tolerance. Today, says Dr. Harari, ablative radiation techniques are delivered to complex 3D tumor shapes virtually anywhere in the body. Sharp dose gradients are created between tumor and critical normal tissues and high precision is sought for daily treatment across thousands of patients. We are poised to move well beyond “see the tumor, treat the tumor.”

Dr. Harari says, as we cross the threshold of unparalleled visualization within tumors, tracking individual tumor cells, developing diagnostic agents to simultaneously image and treat, and harnessing early response profiles to shape more personalized and effective future therapies.

Dr. Harari is the Jack Fowler Professor and chair of the Department of Human Oncology at the University of Wisconsin School of Medicine and Public Health. Early career development awards from the American Cancer Society and the RSNA Research & Education (R&E) Foundation helped launch Dr. Harari’s career as a physician scientist. His clinical and laboratory research focuses on treatment advances for head and neck cancer patients with emphasis on the interaction of molecular growth inhibitors combined with radiation. His clinical work emphasizes the highest quality imaging for cancer patients and the advancement of new imaging modalities that enhance our ability to assess both tumor anatomy and biology.

**RSNA/AAPM Symposium**
Thursday, December 5 • 1:30 p.m.
**Imaging in Partnership: With Radiation Therapy**
In this symposium presented in conjunction with the American Association of Physicists in Medicine, David A. Jaffray, Ph.D., will discuss how multimodally imaging methods are being used in combination with high-precision radiation therapy delivery techniques to understand fundamental mechanisms of cancer pathogenesis, progression and treatment response.

Dr. Jaffray is a professor in the Department of Radiation Oncology, Medical Biophysics, and Institute for Biomedical Engineering at the University of Toronto. With primary research interests in the development and application of image-guided radiation therapy, Dr. Jaffray has numerous patents issued and several licensed, including kilovoltage cone-beam CT for image-guided radiation therapy. Dr. Jaffray serves as the head of radiation physics and a senior scientist within the Ontario Cancer Institute at the Princess Margaret Hospital in Toronto, where he also holds the Orey and Mary Fadian Family Chair in Radiation Physics and is a principal in the STIARR Innovation Centre and Guided Therapeutics Group of the University Health Network. Dr. Jaffray is the director of the recently established Institute of Health Technology Development at the University Health Network (TECHNIA).
virtual tool and multidisciplinary expertise for such advances.

Dr. Dave is a program director in the Extramural Radiation Research Program of the National Cancer Institute. During his career he has published in various areas of radiologic physics including high-energy photon beam production of neutrons and electrons, neutron dosimetry, shielding design, treatment planning quality assurance, operations research in radiation therapy and quality assurance in clinical practice. His current portfolio includes grants totaling more than $15 million in areas of advanced technologies and imaging in the planning and delivery of radiotherapy. Dr. Dave’s past appointments include associate director of medical physics at George Washington University Medical Center, with responsibility for the clinical implementation of the Mid-Atlantic Neutron Therapy program, and director of medical physics at Inova Hospital Association in Northern Virginia, where he developed a department of 14 staff covering all areas of medical physics.

OTHER PLENARY SESSIONS

More information about these sessions is available at RSNA2013.RSNA.org.

SUNDAY
8:30 a.m. President’s Address
4:00 p.m. Report of the RSNA Research & Education Foundation
4:00 p.m. Image Interpretation Session
FRIDAY
10:30 a.m. Friday Imaging Symposium
Friday Virtual Symposium

Virtual Meeting

Add the Virtual Meeting for the Best RSNA 2013 Experience

Want to make sure you don’t miss featured RSNA 2013 sessions? You can experience the world’s premier medical imaging event from any computer or mobile device via RSNA’s Virtual Meeting.

Visit RSNA.org/virtual to add the Virtual Meeting to your registration and tune in to live sessions during RSNA 2013 and on-demand through December 13. The fee is $100 for RSNA/AAPM members; $300 for non-members. RSNA members-in-training, medical student members and retired members can access the Virtual Meeting for free.

Visit the Virtual Meeting page to view video highlights of the RSNA 2012 Virtual Meeting and explore the full gamut of offerings planned for RSNA 2013.

Starting November 30, registered Virtual Meeting attendees can:

• Watch more than 40 live streaming courses, including plenary sessions, the Image Interpretation Session, refresher courses, multisession courses, series courses and scientific sessions.
• Submit diagnoses for Cases of the Day consisting of five cases per subspecialty area throughout the week. Answers will be revealed the following morning.
• Earn Continuing Education credits—live participation lets you maximize your CME.
• See select education exhibits and digital scientific presentations.
• Shop cutting-edge products, services, equipment and software from RSNA 2013 exhibitors.
• Watch live exhibitor product theater demonstrations.
• See courses and exhibitor presentations on demand through December 13.

RSNA is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. RSNA designates this live activity for a maximum of 81.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

To view the Virtual Meeting Program, go to RSNA2013.RSNA.org/virtual/program. For more information, contact virtual@RSNA.org.

Saturday Courses

Radiología de la Infección e Inflamación: Sesión del Colegio Interamericano de Radiología (CIR) en Español/Imaging of Infection and Inflammation: Session of the Interamerican College of Radiology (CIR)

This session is presented in Spanish with simultaneous English translation.

AAPM/RSNA Tutorials: CT Dose and Image Quality

The Physics Tutorial for Residents looks at CT dose and the technical factors which affect patient dose. Different approaches to image reconstruction and their contribution to patient dose reduction will be discussed as well as development and review of low-dose protocols for CT to be discussed. Immediately following is the Tutorial on Equipment Selection, which addresses the differences in design and image reconstruction in commercial systems designed for CT imaging and aftermarket image post-processing systems and the impact dose reduction techniques have on image quality and the clinical management of disease. Also to be discussed is development of a business model for incorporating dose reduction into CT imaging.

Grantsmanship Workshops

Two workshops examine the National Institutes of Health (NIH) grant application process from different perspectives. The “NIH Grantsmanship Workshop” helps applicants understand the process for preparing a competitive research or training grant application. “RSNA/AAIR Study Section Reviewers Workshop—What It Takes to Be an Expert Reviewer for the NIH: The Peer Review Process Demystified” prepares reviewers with an overview of grant mechanisms and evaluation criteria. Both sessions give beneficiaries the opportunity to learn from a mock study section. The registration fee is $35.

Special Courses

Special Interest, Hot Topic, Controversies/Game Sessions

Discover radiology-related topics that are late-breaking topics or controversial or offered in a game format, Controversies/Game or interviews with RSNA Board members of particular importance (Special Interest). High levels of audience interest and opinion are expected. These courses are presented Monday–Thursday, see the RSNA Meeting Program for titles.

RSNA Diagnosis Live

These exciting expert-mediated sessions feature a series of interactive case studies to challenge radiologists’ diagnostic skills. Submit and discuss your responses with your colleagues in a fast-paced format. Monday’s session (SPSL21) from 4:30 to 6:00 p.m. will feature chest and abdomen cases, Wednesday’s session (SPSL40) from 3:00 to 4:00 p.m. will feature neuroradiology and musculoskeletal cases, and Thursday’s session (SPSL51) from 3:00 to 4:00 p.m. will be a radiology potpourri.

Scientific Paper Sessions

Sessions are offered over nine time slots during the week and will include 2,775 papers in a range of subspecialties.

France Presents

France is the latest country to be spotlighted as part of the “Country Presents” sessions at the RSNA annual meeting. The France Presents session is scheduled for Monday, 10:30 a.m.–12:00 p.m., and offered in conjunction with the Société Française de Radiologie (SFR). This year’s program will provide attendees with an opportunity to hear the latest in oncologic imaging from top French radiologists, including sessions on:

• Whole-body Diffusion in Hematological Malignancies, Alan E. Luciani, M.D.
• Beyond Morphology: Molecular Imaging for Biopsy Guidance in Oncology, Eric De Kerviler, M.D.
• Intravascular Therapy of Liver Malignancies—Where We Stand and Future Trends, Thierry De Baere, M.D.
• Colorectal Liver Metastases: Role of the Radiologist in the Multidisciplinary Team, Valéry Vigilram, M.D.

France Presents will also include other activities and services focusing on the country’s contribution to the annual meeting. On Sunday, in the Global Connect area of RSNA Services, a special discussion on “Navigating the RSNA 2013 Annual Meeting” will be led in French from 10:00 a.m. to 10:30 a.m., including information on everything from scientific sessions to restaurants and getting around Chicago. SFR will host booth 1122, South Building, Hall A to showcase its contributions to RSNA over the years.

In addition, RSNA’s Technical Exhibition will highlight all of our French exhibitors, including those in the French Pavilion. See the full list of French companies and much more information on France Presents, at RSNA.org/FrancePresents.

Refresher and Multisession Courses

RSNA 2013 offers more than 300 refresher courses covering traditional and cutting-edge topics. Multisession courses are scheduled for time blocks ranging from several hours to several days, to allow intensive study of various topics.

Quality Essentials Certificate Sessions at RSNA 2013

Attendees of Monday’s Quality Special Interest Session and the RSNA 2013 Quality Symposium will have the opportunity to earn up to four Quality Essentials Certificates designed to recognize those who demonstrate a threshold level of knowledge in various quality improvement domains.

With the addition of two new courses this year, Quality Essentials Certificates will be available for each of the following sessions:

MONDAY
4:30–6:00 p.m. (SPS122)
• Getting Radiologist Peer Review Right

TUESDAY
8:30–10:00 a.m. (MSQ231)
• Safety at Work
10:30 a.m.—12:00 p.m. (MSQ312)
• Keeping Our Customers Satisfied
A Quality Essentials Certificate is awarded to participants who earn 80 percent or higher on the related SAM test. Within six months of their first live offering, the courses and tests are also available through RSNA’s online education offerings.

New for 2013: Advanced Level Quality Certificate

After the annual meeting, candidates can work toward earning an Advanced Level Quality Certificate recognizing those who attain a Quality Essentials Certificate in each of the following categories: Quality Improvement in Your Practice, Staff and Patient Safety, Customer Satisfaction and Radiologist Performance Improvement. Candidates must also submit a Quality Storyboard abstract that is accepted for display at an RSNA Meeting.

Lakeside Learning Center

New Location

The Lakeside Learning Center, located in Hall D, Level 3 (one floor up from its previous location), is home to education...
More than 30 informatics courses will be offered on topics including advanced imaging tools, online searching, and RSNA Informatics projects such as myRSNA®, MIR®, RadLex®, IH® and Reporting.

Informatics Area—Learning Center
Informatics exhibits in the Lakeside Learning Center include posters and stand-alone computer exhibits on a range of topics in imaging informatics.

Image Sharing Demonstration—Hall A (North Building)
The annual Image Sharing Demonstration features cutting-edge developments in imaging informatics to improve patient care in radiology. These include standardized technology, structured radiology reports, radiation dose monitoring and image sharing based on technology used in RSNA’s NIBB-funded Image Share Network.

For more information, go to RSNA.org/Informatics.aspx.

RSNA Education
Earn SAM, CME Credits
Thirty-four in-person self-assessment module (SAM) courses will be offered at RSNA 2013, allowing participants to obtain both continuing medical education (CME) and SAM credit for each course attended.

With the help of SAM faculty, this year’s SAM modules will cover a broad range of subspecialty topics, including, “Emergency Neuroradiology,” “Practical Gynecologic MRI” and “Acute & Chronic Pulmonary Embolism.” Most courses focus on specific imaging challenges and cover a broad range of subspecialty topic areas.

Individual CDs are $55 for members and $80 for non-members.

All RSNA-directed group that aims to improve the value and practicality of quantitative imaging biomarkers by reducing variability across devices, patients and time.

Radiology Informatics
Integrating the Healthcare Enterprise (IHE®)
Visit the Integrating the Healthcare Enterprise (IHE®) exhibit in Booth 8140 in North Building, Hall B, for demonstrations by care sites and commercial vendors of IHE® methods for sharing image-enabled electronic health records and radiation dose information. Demonstrations take place regularly during exhibit hours.

RSNA offers SAMs that meet the American Board of Radiology’s (ABR) criteria for a self-assessment activity in the ABM Maintenance of Certification program. Participants can earn 150 SAM credit for each SAM course in addition to 150 ABR PRM Category 1 Credits®.

The RSNA Annual Meeting in-person SAMs are an Accredited Self-Assessment Program (SAP) – Section 3 as defined by the new Maintenance of Certification program (MOC) at the Royal College of Physicians and Surgeons of Canada (RCPSC), and has been approved by the Canadian Association of Radiologists (CAR) for a maximum of 150 credit hours.

Guarantee your seat in SAM courses by pre-registering at RSNA.org/Registration by November 27. Attendees interested in sold-out SAM courses can go directly to the SAM course room and attendees will be seated on a first-come, first-serve basis after all ticketed attendees have been seated.

Members attend RSNA 2013 SAM courses free; non-members pay a fee of $50.

RSNA Store Features CD Refreshers Courses, New Collections, Demonstrations
Visit the RSNA Store to experience all the exhibits and scientific informal (posters) presentations, grouped according to subspecialty. Many authors of posters and education exhibits are scheduled to give lunchtime presentations of their work; see the RSNA Meeting Program for days and times.

Select backboard panel education exhibits in each subspecialty will contain QR codes that, when scanned with a smartphone, will take users to an electronic version of the RSNA Store features CD refreshers courses.

More than 30 informatics courses will be offered on topics including advanced imaging tools, online searching, and RSNA Informatics projects such as myRSNA®, MIR®, RadLex®, IH® and Reporting.

Informatics Courses
Visit the RSNA Store to give demonstrations of the RSNA/AAPM Informatics exhibits in the Lakeside Learning Center. RSNA has to offer and to talk to RSNA staff who will be on hand at the Internet Kiosks to assist with the process.

Detailed instructions will be included in the Meeting Bags distributed to professional registrants after the meeting, attendees will still be able to evaluate courses and claim credit for one week.

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Informatics Area—Learning Center
Informatics exhibits in the Lakeside Learning Center include posters and stand-alone computer exhibits on a range of topics in imaging informatics.

Image Sharing Demonstration—Hall A (North Building)
The annual Image Sharing Demonstration features cutting-edge developments in imaging informatics to improve patient care in radiology. These include standardized technology, structured radiology reports, radiation dose monitoring and image sharing based on technology used in RSNA’s NIBB-funded Image Share Network.

For more information, go to RSNA.org/Informatics.aspx.

RSNA Education
Earn SAM, CME Credits
Thirty-four in-person self-assessment module (SAM) courses will be offered at RSNA 2013, allowing participants to obtain both continuing medical education (CME) and SAM credit for each course attended. With the help of SAM faculty, this year’s courses have been designed to cover a wide range of subspecialties.

RSNA offers SAMs that meet the American Board of Radiology’s (ABR) criteria for a self-assessment activity in the ABM Maintenance of Certification program. Participants can earn 150 SAM credit for each SAM course in addition to 150 ABR PRM Category 1 Credits®. The RSNA Annual Meeting in-person SAMs are an Accredited Self-Assessment Program (SAP) – Section 3 as defined by the new Maintenance of Certification program (MOC) at the Royal College of Physicians and Surgeons of Canada (RCPSC), and has been approved by the Canadian Association of Radiologists (CAR) for a maximum of 150 credit hours.

Guarantee your seat in SAM courses by pre-registering at RSNA.org/Registration by November 27. Attendees interested in sold-out SAM courses can go directly to the SAM course room and attendees will be seated on a first-come, first-serve basis after all ticketed attendees have been seated.

Members attend RSNA 2013 SAM courses free; non-members pay a fee of $50.

RSNA Store Features CD Refreshers Courses, New Collections, Demonstrations
Visit the RSNA Store to experience all the educational products and services that RSNA has to offer and to talk to RSNA staff about the newly redesigned online education offerings, learn how to access CME content from your mobile tablet device, and more.

This year, the RSNA Education Center offers 20 new refreshers courses for purchase on CD at the RSNA Store, including, “Emergency Neuroradiology,” “Practical Gynecologic MRI” and “Acute & Chronic Pulmonary Embolism.” Most courses focus on specific imaging challenges and cover a broad range of subspecialty topic areas. Individual CDs are $55 for members and $80 for non-members.

The RSNA Store will also feature new CD collections, in either a two- or three-disc format. A sample collection contains a set of refresher course CDs pertaining to a particular subspecialty and offers an audio-visual presentation, along with line-by-line transcript and CME test. Collections provide the opportunity to earn multiple CME credits and offer a 25 percent discount as compared to individual CD purchases.

CD collections from previous annual meetings will also be available for purchase at the RSNA Store. Collections are priced based on the number of CDs per collection, but generally range from $80 to $175 per collection.

Radiology Informatics
Integrating the Healthcare Enterprise (IHE®)
Visit the Integrating the Healthcare Enterprise (IHE®) exhibit in Booth 8140 in North Building, Hall B, for demonstrations by care sites and commercial vendors of IHE® methods for sharing image-enabled electronic health records and radiation dose information. Demonstrations take place regularly during exhibit hours.

NEW PROCESS FOR CLAIMING CREDIT AT RSNA 2013
Online Evaluation and Claim Center (OEC) Makes Process Easier, More Immediate
RSNA 2013 attendees need not look for attendance “chits” in their registration materials. Attendees will now document their attendance by evaluating RSNA 2013 courses and sessions and claiming their credits online—via their own laptop and mobile devices or at any of the Internet Kiosks within McCormick Place.

The new Online Evaluation and Claim Center (OEC) allows attendees to begin their evaluations as early as 10 minutes after a course begins, claim their credits onsite and walk away with printed certificates in hand. Attendees will also receive links via email that allow printing of certificates at home, and for RSNA members credits are automatically added to the RSNA CME Repository.

New detailed instructions will be included in the Meeting Bags distributed to professional registrants and RSNA staff will be on hand at the Internet Kiosks to assist with the process.