AUR 62nd Annual Meeting Program

Black entry indicates educational programming; purple entry indicates society-specific event. See page 9 for description and key to content codes.

★ designates a course being offered as a self-assessment module (SAM).
★ indicates programming of special interest to ARRALD participants.
★ indicates qualifying session for the Academy of Radiology Leadership and Management.

Tuesday, April 1, 2014

6:30–8:00 AM  Continental Breakfast (all attendees)
Location: Grand Ballroom V

6:30 AM–4:30 PM  Meeting Registration
Location: Grand Ballroom Registration Desk

6:30 AM–6:00 PM  Speaker Ready Room
Location: Dover

7:00–8:15 AM  Hot Topics
AMA PRA Category 1 Credits™: 1.25
Location: Grand Ballroom VI
Moderator: Carolyn C. Meltzer, MD*

[7:00–7:30 AM]  Resident Recruiting and the Match in 2014
Faculty: Donald J. Flemming, MD*
Learning Objectives:
1. Describe the trends in national match experience for Liaison Committee on Medical Education (LCME) graduates.
2. Describe the current trends in student interest in radiology.
3. Describe possible strategies to increase student interest.
4. Describe the SOAP (subjective, objective, assessment, and plan) process.

Faculty: Edward I. Bluth, MD
Learning Objectives:
1. Describe the makeup of the present radiology workforce.
2. Understand what was the subspecialty and the number of those hired last year.
3. Describe the projections for which types of subspecialties will be most needed in new hires for the next year and in 3 years.
4. Discuss the principles governing general workforce needs and what may influence them in the future.

[8:00–8:15 AM]  Q&A

7:00–8:30 AM  ARRALD Program 1 (closed program)
AMA PRA Category 1 Credits™: 1.50
Introduction
Course Directors: Ruth C. Carlos, MD, MS
James V. Rawson, MD

Learning Objectives:
1. Explain the principles of academic leadership.
2. Identify opportunities for practice improvement.
3. Develop approaches for practice improvement.

* Faculty financial disclosures are located in the Faculty Index.
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<th>Time</th>
<th>Session</th>
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<td>8:00–8:30 AM</td>
<td><strong>Chief Resident Welcome Session and Orientation</strong></td>
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<tr>
<td></td>
<td>Location: Grand Ballroom I–III</td>
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<td>Moderator: Margaret Hsu, MD</td>
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<td></td>
<td>Faculty: Margaret Hsu, MD Gautham P. Reddy, MD</td>
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<tr>
<td>8:00–10:00 AM</td>
<td><strong>Redrawing the Line on Professionalism</strong></td>
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<td>Location: Grand Ballroom VII–VIII</td>
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<td>Faculty: Tracey Hillier, MD</td>
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<td>Learning Objectives:</td>
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<tr>
<td></td>
<td>1. Discuss ways in which their own views of professionalism differ from those of other participants in the session.</td>
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<td></td>
<td>2. Describe common scenarios in which professionalism challenges may occur during day-to-day academic radiology practice.</td>
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<td>3. Contribute vignettes demonstrating indeterminate professional behavior, which may be included in a resource bank of scenarios that will be available to AUR members for future learning events.</td>
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<tr>
<td>8:00–10:00 AM</td>
<td><strong>Scientific and Health Policy Research:</strong></td>
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<td></td>
<td><strong>Scholar Presentations and Mentoring Program</strong></td>
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<td><strong>(supported by the American College of Radiology)</strong></td>
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<td></td>
<td>Location: Essex</td>
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<td></td>
<td>Moderators: James V. Rawson, MD Rathan M. Subramaniam, MD, PhD</td>
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<tr>
<td>[8:00–8:20 AM]</td>
<td><strong>Keynote Address</strong></td>
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<td>Faculty: William G. Bradley, Jr, MD</td>
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<tr>
<td>[8:20–10:00 AM]</td>
<td><strong>Scholar Presentations</strong></td>
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<td>8:30–10:00 AM</td>
<td><strong>Program Directors 101</strong></td>
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<td></td>
<td>Location: Grand Ballroom VI</td>
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<td></td>
<td>Moderator: Petra J. Lewis, MD*</td>
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<td></td>
<td>Faculty: Brandi T. Nicholson, MD*</td>
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<tr>
<td>[8:50–9:10 AM]</td>
<td><strong>Milestones in Practice</strong></td>
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<td>Faculty: Petra J. Lewis, MD*</td>
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<tr>
<td>[9:10–9:30 AM]</td>
<td><strong>Interventional Radiology as a Primary Specialty:</strong></td>
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<td></td>
<td>Faculty: M. Victoria Marx, MD</td>
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</table>

* Faculty financial disclosures are located in the Faculty Index.
Resources to Help Residents Achieve the Tougher Milestones
Faculty: Harprit S. Bedi, MD

Learning Objectives:
1. Identify resources to aid in the completion of the "more difficult" milestones.
2. Apply the resources in your own residency program.

8:30–10:00 AM
Medical Education Research Certificate (MERC) Workshop
Questionnaire Design and Survey Research: Part 1
(Co-sponsored by APDR and RSNA)
AMA PRA Category 1 Credits™: 1.50
Location: Kent
Course Director: Jannette Collins, MD, MEd, FCCP
Facilitator: Linda C. Perkowski, PhD, MS

Learning Objectives:
1. Identify at least two data collection methods for questionnaires and surveys.
2. List the four sections of a questionnaire.
3. Identify at least three of the six common problems with items.
4. List at least two common response options.

8:30 AM–12:00 PM
ACGME Leadership Skills Workshop (A2CR2 members only)
AMA PRA Category 1 Credits™: 3.50
Location: Grand Ballroom I–III
Moderators: Roocha Patel, MD
Mark A. Franke, MD
Faculty: Jason N. Itri, MD, PhD
Gautham P. Reddy, MD

Learning Objectives:
1. List the eight different patterns of behavior described in Carl Jung’s psychological type theory.
2. Describe individual preferences of behavior and how these preferences influence interactions with other people.
3. Develop a list of actions to account for less-preferred functions.
4. Use behaviors that promote effective feedback.
5. Describe the four strategies of principled negotiation.

10:00–10:30 AM
Break
Location: Grand Ballroom V

10:30 AM–12:00 PM
Program Directors 201
AMA PRA Category 1 Credits™: 1.50
Location: Grand Ballroom VI
Moderator: Jonathan O. Swanson, MD

Jumping in Feet First! Core Exam Preparation: What We Did and What We Learned
Faculty: Janet E. Bailey, MD
Jason G. Domina, MD

Learning Objectives:
1. Describe how one program managed resident preparation for the ABR Core Exam.
2. Appraise the successes and failures of the methods presented.
3. Debate the merits of various approaches to Core Exam preparation.

* Faculty financial disclosures are located in the Faculty Index.
Faculty: Richard B. Ruchman, MD  
Learning Objectives:  
1. Outline the particular challenges that small programs face in reengineering the radiology residency curriculum to allow for a meaningful 4th year and the solutions that have been implemented.  
2. Describe the transition process to the 4th-year curriculum and how it can be bundled to address an array of residency issues.  
3. Outline the various options and creativity utilized in creating an individual 4th-year schedule within the constraints and resources of a small program.

Faculty: Mary H. Scanlon, MD  
Learning Objectives:  
1. Design a similar program, understanding the key components and barriers to its success.  
2. Summarize the advantages and disadvantages of a 4th-year concentration (“fellowship”) on trainees (R1 through R4).

Faculty: Patricia L. McLean  
Learning Objective:  
1. Identify common legal issues in residency.

[11:45 AM–12:00 PM] Q&A

10:30 AM–12:00 PM Teaching Portfolio  
AMA PRA Category 1 Credits™: 1.50  
Location: Grand Ballroom VII–VIII  
Moderator: Mahesh M. Thapa, MD

[10:30–11:00 AM] Components of a Teaching Portfolio  
Faculty: Angelisa M. Paladin, MD  
Learning Objectives:  
1. Identify the key components of a teaching portfolio.  
2. Describe how to document data in a teaching portfolio.

[11:00–11:30 AM] How to Create and Maintain an Electronic Teaching Portfolio  
Faculty: Puneet Bhargava, MBBS  
Learning Objectives:  
1. Identify the advantages of creating and maintaining an electronic portfolio.  
2. Assemble an electronic portfolio.  
3. Develop an efficient approach to maintain and share a portfolio.

[11:30 AM–12:00 PM] How to Write a Teaching Philosophy  
Faculty: Priscilla J. Slanetz, MD, MPH  
Learning Objectives:  
1. Describe the necessary components of a teaching philosophy.  
2. Develop a teaching philosophy that reflects their own teaching beliefs and strategies.

* Faculty financial disclosures are located in the Faculty Index.
Medical Education Research Certificate (MERC) Workshop  
Questionnaire Design and Survey Research: Part 2

| AMA PRA Category 1 Credits™: 1.50 |

Location: Kent  
Course Director: Jannette Collins, MD, MEd, FCCP  
Facilitator: Linda C. Perkowski, PhD, MS

Learning Objectives:
1. Identify at least two data collection methods for questionnaires and surveys.
2. List the four sections of a questionnaire.
3. Identify at least three of the six common problems with items.
4. List at least two common response options.

Scientific and Health Policy Research: Imaging Research
(supported by the American College of Radiology)

| AMA PRA Category 1 Credits™: 1.50 |

Location: Essex  
Moderators: King C. Li, MD  
Rathana M. Subramaniam, MD, PhD, MPH

[10:30–10:55 AM]
ACRIN Studies: Significance to Practice of Radiology  
Faculty: Reginald F. Munden, MD, DMD

Learning Objectives:
1. Explain the background and rationale of ACRIN.
2. Describe ACRIN’s relevance to imaging research.
3. Appraise the impact of ACRIN trials on the clinical practice of radiology.

[10:55–11:20 AM]
CMS Funding Process: How Do We Translate from Scientific Conclusions to Radiology Practice?  
Faculty: Bruce E. Hillner, MD

Learning Objectives:
1. Discuss selected Center for Medicare Services (CMS) National Coverage Determinations in diagnostic imaging.
2. Describe the common elements that CMS uses in its technology assessments of diagnostics.
3. Identify the difficulty CMS has in defining “reasonable and necessary” care.
4. Describe the findings of the National Oncologic PET Registry that was developed in response to the CMS “Coverage with Evidence Development” policy.

[11:20–11:45 AM]
Health Policy: How Do We Influence Policy to Support Practice?  
Faculty: Richard Duszak, Jr, MD

Learning Objectives:
1. Explain the increasing importance of clinical and health services research in payment policy.
2. Describe key steps in the payment chain impacted by research evidence.
3. Explain downstream payment policy impact when formulating research questions.

[11:45 AM–12:00 PM]
Panel Discussion

12:00–1:00 PM  
Scientific and Health Policy Research  
(supported by the American College of Radiology)

| AMA PRA Category 1 Credit™: 1.00 |

Location: Harborside Ballroom B  
Faculty: Bibb Allen, Jr, MD

Learning Objectives:
1. Discuss the potential new imperatives for clinical research in radiology in the era of health care reform.
2. Identify the benefits of socioeconomic research to all stakeholders in health care reform.
3. Describe the role that organized radiology plays in facilitating and promoting clinical and socioeconomic research.
4. Explain why supporting research is integral to radiology’s cultural shift.

* Faculty financial disclosures are located in the Faculty Index.
12:00–1:00 PM
ARRALD Mentorship Lunch (closed program)

12:00–1:30 PM
A³CR² Networking Lunch (A³CR² members only)
Location: Harborside Ballroom C

12:00–2:00 PM
Lunch on Your Own

1:00–1:45 PM
Scientific and Health Policy Research: Health Policy
(supported by the American College of Radiology)

Funding Opportunities in Health Services Research in Radiology
AMA PRA Category 1 Credit™: 0.75
Location: Essex
Moderators: Aine M. Kelly, MD, MS
James V. Rawson, MD
Faculty: Danny Hughes, PhD

Learning Objectives:
1. Describe what constitutes a health policy/services research project in radiology.
2. Identify the available funding agencies for health policy/services research in radiology.
3. Discuss the requirements and conditions of the various awards for health policy/services research in radiology.

1:00–3:30 PM
ARRALD Program 2 (closed program)

[1:00–1:30 PM]
Quality Improvement and the Academic Medical Center
Faculty: Paul G. Nagy, PhD*

[1:30–2:15 PM]
Leadership
Faculty: Alexander M. Norbash, MD*

[2:15–3:30 PM]
Critical Communication Skills and Conflict Resolution
Faculty: Jonathan S. Lewin, MD

Learning Objectives:
1. Explain the principles of academic leadership.
2. Identify opportunities for practice improvement.
3. Develop approaches for practice improvement.

2:00–3:00 PM
Scientific and Health Policy Research: Health Policy
(supported by the American College of Radiology)

Preliminary Results from the Health Policy Institute–funded Scholars
AMA PRA Category 1 Credit™: 1.00
Location: Essex
Moderators: Aine M. Kelly, MD, MS
James V. Rawson, MD
Faculty: Saurabh Jha, MBBS
William Hsu, PhD
Marta E. Heilbrun, MD

Learning Objectives:
1. Identify strategies for designing health services research projects.
2. Describe challenges faced by health services researchers in study design, data acquisition, and analysis.
3. Identify means by which health services research may be used to influence health policy.
2:00–3:30 PM  **ACGME Leadership Skills Workshop (A^2CR^2 members only)**

<table>
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<tr>
<th>Location:</th>
<th>Grand Ballroom I–III</th>
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</thead>
</table>
| Moderators: | Roocha Patel, MD  
Mark A. Franke, MD |
| Faculty: | Jason N. Itri, MD, PhD  
Gautham P. Reddy, MD |

**Learning Objectives:**
1. List the eight different patterns of behavior described in Carl Jung’s psychological type theory.
2. Describe individual preferences of behavior and how these preferences influence interactions with other people.
3. Develop a list of actions to account for less-preferred functions.
4. Use behaviors that promote effective feedback.
5. Describe the four strategies of principled negotiation.

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2:00–3:30 PM  **Residency Education: Teaching and Professionalism from the RSNA and ACR**

<table>
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<tr>
<th>Location:</th>
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<tr>
<td>Moderator:</td>
<td>Katherine A. Klein, MD</td>
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**[2:00–2:15 PM]**  **Collaborative Multi-institutional Approach to Meeting the Teaching Requirements of the Liaison Committee on Medical Education**

| Faculty: | James V. Watson, MD |

**Learning Objectives:**
1. Explain the Liaison Committee on Medical Education (LCME) ED-24 requirement.
2. Describe the ACR-AMSER-APDR collaborative process.
3. Access online educational modules.

**[2:15–2:55 PM]**  **Why You Should Use the MIRC® Teaching File in Your Residency Program**

| Faculty: | William J. Weadock, MD*  
Tessa S. Cook, MD, PhD  
Krishna Juluru, MD |

**Learning Objectives:**
1. Describe how the RSNA MIRC® system can be used as an in-house radiology teaching file system.
2. Discuss how other institutions have implemented MIRC® for education, teaching, and research.
3. Describe time-saving techniques for generating educational content by sending images directly from your PACS to your MIRC® server.

**[2:55–3:20 PM]**  **Promoting Patient-centered Radiology in Residency Programs**

| Faculty: | Susan D. John, MD |

**Learning Objectives:**
1. Define the characteristics of a patient-centered radiology practice.
2. Describe the challenges of promoting a culture of patient-centered care in diagnostic radiology residency programs.
3. Identify processes and learning opportunities that will help trainees and faculty engage in more meaningful and personal communications with patients.

**[3:20–3:30 PM]**  **Q&A**

* Faculty financial disclosures are located in the Faculty Index.
3:15–4:30 PM  
**Radiation Protection Issues**  
(Supported by an unrestricted educational grant from Toshiba Medical Systems)  
*AMA PRA Category 1 Credits*: 1.25  
**Location**: Essex  
**Moderator**: Kimberly E. Applegate, MD, MS*  

3:15–3:35 PM  
**What We Know about Cataract and Cancer Risks from Low-Dose Ionizing Radiation**  
**Faculty**: Kimberly E. Applegate, MD, MS*  
**Learning Objectives**:  
1. Identify key radiation protection principles for both patients and radiation workers.  
2. Describe the evidence for and against CT in cancer induction.  
3. Discuss new evidence for lower dose limits for cataract risk and best practices to limit exposures.

3:35–3:55 PM  
**Radiation Dosimetry in Breast Cancer Imaging**  
**Faculty**: Ioannis Sechopoulos, PhD  
**Learning Objectives**:  
1. Explain the basic concepts of radiation dosimetry in breast imaging.  
2. Compare the radiation dose involved in digital breast tomosynthesis to that of digital mammography in the screening realm.  
3. Explain the concept of patient-specific breast dose.

3:55–4:15 PM  
**Optimizing Automatic Tube Current and Tube Potential Modulation**  
**Faculty**: Phuong-Anh T. Duong, MD  
**Learning Objectives**:  
1. Explain how automatic tube current modulation works.  
2. Describe potential pitfalls of tube current and tube potential modulation and how to avoid them.  
3. Describe how and when to apply tube current and tube potential modulation to optimize CT radiation dose and image quality.

4:15–4:30 PM  
**Q&A**

3:30–4:00 PM  
**Break**

4:00–5:30 PM  
**APCR Business Meeting 1**
**Location**: Kent

**4:00–5:30 PM**  
**ACGME Leadership Skills Workshop (A^2CR^2 members only)**  
*AMA PRA Category 1 Credits*: 1.50  
**Location**: Grand Ballroom I–III  
**Moderators**: Roocha Patel, MD  
Mark A. Franke, MD  
**Faculty**: Jason N. Itri, MD, PhD  
Gautham P. Reddy, MD  
**Learning Objectives**:  
1. List the eight different patterns of behavior described in Carl Jung’s psychological type theory.  
2. Describe individual preferences of behavior and how these preferences influence interactions with other people.  
3. Develop a list of actions to account for less-preferred functions.  
4. Use behaviors that promote effective feedback.  
5. Describe the four strategies of principled negotiation.

* Faculty financial disclosures are located in the Faculty Index.
Leadership 202: Leadership Styles and Traits  
*AMA PRA Category 1 Credits™: 1.50*
Location: Grand Ballroom VII–VIII  
Moderator: Jonathan O. Swanson, MD

[4:00–4:30 PM] How to Manage Up Effectively as a Leader  
Faculty: Jocelyn D. Chertoff, MD, MS

[4:30–5:00 PM] How to Negotiate Effectively as a Leader  
Faculty: Jannette Collins, MD, MEd, FCCP

[5:00–5:30 PM] Effective Use of Delegation  
Faculty: Jason J. Naidich, MD, MBA

Learning Objectives:
1. Describe techniques to manage up effectively as a leader.
2. Identify successful negotiating strategies that can be implemented as a leader in radiology.
3. Specify appropriate and effective use of delegation to enhance one’s sustainable role in management.

ARRALD Program 3 (closed program)  
Junior Faculty Panel: Balancing Life and Career in Academic Radiology  
*AMA PRA Category 1 Credits™: 1.50*
Moderator: Aine M. Kelly, MD, MS  
Panelists: Anna Rozenshtein, MD  
Stefan Tigges, MD

Learning Objectives:
1. Explain the principles of academic leadership.
2. Identify opportunities for practice improvement.
3. Develop approaches for practice improvement.

Radiology Research Unconference on Translational Imaging Research and Imaging Health Policy Hot Topics  
*AMA PRA Category 1 Credit™: 1.00*
Location: Essex  
Moderator: Srini Tridandapani, MD, PhD

A*CR/APDR/SCARD/APCR Beer and Pretzels Reception (co-sponsored by APDR, RSNA, and SCARD)  
Location: Harborside Ballroom C

APCR Reception  
Location: Harborside Ballroom D

* Faculty financial disclosures are located in the Faculty Index.
### Wednesday, April 2, 2014

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<td>6:30–8:00 AM</td>
<td>Continental Breakfast (all attendees)</td>
<td>Grand Ballroom V</td>
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<tr>
<td>6:30 AM–4:30 PM</td>
<td><strong>Meeting Registration</strong></td>
<td>Grand Ballroom Registration Desk</td>
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<tr>
<td>6:30 AM–5:00 PM</td>
<td><strong>Exhibit Viewing</strong></td>
<td>Grand Ballroom Foyer</td>
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<tr>
<td>6:30 AM–5:00 PM</td>
<td><strong>Poster Viewing</strong></td>
<td>Grand Ballroom V</td>
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<tr>
<td>6:30 AM–6:00 PM</td>
<td><strong>Speaker Ready Room</strong></td>
<td>Dover</td>
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<tr>
<td>7:00–8:00 AM</td>
<td><strong>APDR Business Meeting</strong></td>
<td>Kent</td>
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<td>7:00–8:15 AM</td>
<td><strong>AMA PRA Category 1 Credit™ Poster Session 1</strong></td>
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<tr>
<td>7:00–8:15 AM</td>
<td><strong>Problem Solving: Part 1 (A*CR® members only)</strong></td>
<td>Grand Ballroom I–III</td>
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<tr>
<td>7:00–8:15 AM</td>
<td><strong>Converting “Radioliday” to an Effective Course</strong></td>
<td>Essex</td>
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<tr>
<td>7:00–7:15 AM</td>
<td><strong>How to Make the Clerkship More Interactive: Is Observership Helpful; History and Physical Exams on CT Patients; Other Ideas</strong></td>
<td>Essex</td>
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<tr>
<td>7:15–7:30 AM</td>
<td><strong>Teaching the MD-MD Consult, Including Using the ACR Appropriateness Criteria®</strong></td>
<td>Essex</td>
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**Learning Objectives:**
1. Participate in small-group discussions aimed at solving stated problems.
2. Present small-group solutions to all participants.
3. Formulate an overall problem-solving action plan.

© Faculty financial disclosures are located in the Faculty Index.
Maximizing the Experience: Coordinating Clinical, Research, and Career Advice Activities—How to Interest Medical Students in Radiology in These Times of Declining Interest

Faculty: Matthew T. Heller, MD

Learning Objectives:
1. Appraise the progress of medical student decision making for choosing a career.
2. Identify a list of resources that will inform and motivate students to pursue radiology.
3. Develop a strategy for providing positive realistic advice for medical students contemplating radiology.

Mentoring the Next Generation of Educators: Beginning with Residents

Faculty: David M. Naeger, MD

Learning Objectives:
1. Identify opportunities for residents to teach.
2. Develop a strategy for training residents and keeping them engaged.
3. Explain the Liaison Committee on Medical Education (LCME) requirements for preparing residents to supervise/teach.

Q&A/Panel Discussion

Fostering a Culture of Support for Clinical Research

AMA PRA Category 1 Credits™: 1.25
Location: Grand Ballroom VII–VIII
Moderator: James V. Rawson, MD

Institutional Mandate and Resources

Faculty: Carolyn C. Meltzer, MD

Setting and Communicating Departmental Expectations

Faculty: Neil M. Rofsky, MD

Implementing and Sustaining Culture

Faculty: Yoshimi Anzai, MD, MPH

Learning Objectives:
1. Describe institutional mandates and resources for supporting clinical research in an academic radiology department.
2. Explain a chair’s perspective on setting and communicating departmental expectations of a positive culture for clinical research.
3. Explain a section head’s perspective on implementing departmental values and on balancing the needs of clinician-educator and clinician-investigator faculty members.

ARRALD Program 4 (closed program)

AMA PRA Category 1 Credits™: 1.25

Radiological Professional Organizations: Making Sense of the “Alphabet Soup”

Faculty: N. Reed Dunnick, MD

Networking in the Radiology Profession/Community

Faculty: Ruth C. Carlos, MD, MS

Learning Objectives:
1. Explain the principles of academic leadership.
2. Identify opportunities for practice improvement.
3. Develop approaches for practice improvement.

AUR Radiology Management Program (closed program)

AMA PRA Category 1 Credits™: 2.00

Welcome and Overview

Faculty: Pablo R. Ros, MD, MPH

Case 1: Incentive Plan for Academic Clinical Radiologists

Faculty: Ronald L. Arenson, MD

Learning Objectives:
1. Review, in a case-based mode, current management issues facing academic radiology departments (ARDs).
2. Familiarize prospective ARD leaders with decision making using mock departmental executive committees.
3. Train attendees in management problem solving guided by key experts in the field.
8:15–8:30 AM Break

8:30–10:00 AM Idea Forum: Open Microphone Discussion (ACR members only) 206
AMA PRA Category 1 Credits: 1.50
Location: Grand Ballroom I–III
Moderators: Stephen I. Johnson, MD
Jeffrey A. Belair, MD
Thomas W. Keimig, MD
Faculty: Gautham P. Reddy, MD
Angelisa M. Paladin, MD

Learning Objectives:
1. Share experiences and identify mutual challenges among member chief residents representing programs from across the country.
2. Productively exchange and appraise ideas on a variety of practical real-world issues affecting diagnostic radiology residency training.
3. Develop and disseminate innovative tangible solutions for shared challenges that can be employed at one’s home institution.

8:30–10:00 AM AMSER Lucy Squire and APDR/ACR Keynote Lecture: The Potential of Team-based Learning 207
AMA PRA Category 1 Credits: 1.50
Location: Grand Ballroom VI
Moderator: Sravanthi Reddy, MD
Faculty: Paul M. Haidet, MD

Learning Objectives:
1. Explain more about team-based learning.
2. Discuss how to use team-based learning in their own teaching.

8:30–10:00 AM Task Force Reports 208
AMA PRA Category 1 Credits: 1.50
Location: Grand Ballroom VII–VIII
Moderator: William F. Auffermann, MD, PhD
[8:30–9:00 AM] Entrepreneurship/Commercializing Our Discoveries
Faculty: Jason N. Itri, MD, PhD

Learning Objectives
1. Discuss key features of distribution of royalties in the academic setting and how these features promote or stifle innovation.
2. Describe current areas of opportunity for entrepreneurship and commercialization in radiology.
3. List methods for promoting an entrepreneurial culture in a radiology department.
4. Describe educational approaches for teaching entrepreneurship.

[9:00–9:30 AM] Quantitative Imaging
Faculty: Rathan M. Subramaniam, MD, PhD, MPH*

Learning Objectives:
1. Describe the value of quantitative imaging for radiology research.
2. Explain the value of quantitative imaging in current clinical practice.
3. Discuss the challenges and opportunities for implementation of quantitative imaging in radiology research and clinical practice.

[9:30–10:00 AM] Social Networking in Radiology
Faculty: William F. Auffermann, MD, PhD

Learning Objectives:
1. Explain why social networking is important for all radiologists.
2. Examine the role of new and evolving technologies in social networking.
3. Specify the areas where new tools in social networking may be useful in radiology.
4. List several steps that radiologists can take to become active or more active in social networking.

* Faculty financial disclosures are located in the Faculty Index.
10:00–10:30 AM  Break and Poster Viewing
Location:  Grand Ballroom V

10:30 AM–12:00 PM  Case Review
AMA PRA Category 1 Credits™: 1.50
Location:  Grand Ballroom I–III
Moderators:  Brett T. Roberts, MD
            Paul F. von Herrmann, MD
Faculty:  Gautham P. Reddy, MD
         Teresa Chapman, MD, MA
         David M. Naeger, MD

Learning Objectives:
1.  Detect relevant imaging findings in a set of unknown cases.
2.  Assemble appropriate differential diagnoses based on imaging findings.
3.  Describe the classic imaging findings of various nuclear medicine diagnoses.

10:30 AM–12:00 PM  Getting and Giving Feedback
AMA PRA Category 1 Credits™: 1.50
Location:  Essex
Moderator:  Janet A. Neutze, MD

[10:30–10:45 AM]  Performance Outcome Measures in Medical Student Radiology Education
Faculty:  Christian W. Cox, MD

Learning Objectives:
1.  Define various outcome measures in medical student radiology education.
2.  Examine the general goals of medical student radiology rotations.
3.  Appraise medical image interpretation as a goal of medical student radiology rotations.
4.  Discuss the use of video-recorded unknown case interpretation by medical students as an outcome measure during medical student radiology rotations.

[10:45–11:05 AM]  Evaluating and Managing Unprofessional or Disruptive Behaviors in Medical Students
Faculty:  Caroline W. Carrico, MD

Learning Objectives:
1.  Describe a systematic method of addressing professionalism issues with medical students.
2.  Identify various reasons why feedback to students may be ineffective.
3.  Explain some ways to ease the process of providing constructive criticism in person.

[11:05–11:20 AM]  Improving Lectures and Course Structure Based on Evaluations
Faculty:  Laura L. Avery, MD

Learning Objectives:
1.  Differentiate the various assessment strategies utilized to evaluate individual lectures as well as entire courses.
2.  Estimate the benefits and costs of various evaluation formats and the overall development of an evaluation culture.
3.  Develop an approach for interpreting evaluation materials provided from learner feedback.
4.  Assess the barriers to implementing changes in lectures and teaching methods based on learner evaluations.
5.  Assemble strategies to improve lectures and courses based on evaluation material obtained.

[11:20–11:45 AM]  “It’s Your Job to Fix This”: How to Be a Departmental Leader in Radiology Education
Faculty:  Emily M. Webb, MD

Learning Objectives:
1.  Develop goals for medical student education in radiology.
2.  Discuss ways in which collaboration can help them achieve their goals.
3.  Describe effective management strategies in radiology education.

[11:45 AM–12:00 PM]  Q&A

* Faculty financial disclosures are located in the Faculty Index.
10:30 AM–12:00 PM  ABR Update  211

AMA PRA Category 1 Credits™: 1.50
Location: Grand Ballroom VI
Moderator: Gary J. Becker, MD
Faculty: James P. Borgstede, MD
         Milton J. Guiberteau, MD
         Duane G. Mezwa, MD
         Matthew A. Mauro, MD

Learning Objectives:
1. Explain the new ABR Core and Certifying Examinations in diagnostic radiology; compare and contrast the strengths and limitations of both the old and the new exam paradigms.
2. Describe ABR’s continuous certification program that began in 2012; list its advantages over the old system, and explain the annual look-back process and public reporting of diplomate-specific MOC statuses: “meeting MOC requirements,” “not meeting MOC requirements,” “not certified,” and “not required to participate in MOC.”
3. Explain how ABR and ABMS initiatives are aligning MOC with the external environment, including credentialing, licensure, payment incentives, quality measure reporting, and potentially others.

10:30 AM–12:00 PM  Survey Research in Radiology Education  212

AMA PRA Category 1 Credits™: 1.50
Location: Kent
Moderators: Aine M. Kelly, MD, MS
            Danny Hughes, PhD

[10:30–11:00 AM]  Principles of Survey Research
Faculty: Brian W. Bresnahan, PhD*

Learning Objectives:
1. Describe basic types of survey research study designs.
2. Choose appropriate methods for collecting survey data.
3. Identify limitations and avoid common pitfalls in survey design.

[11:00–11:30 AM]  Interpreting Survey Findings
Faculty: Pari Pandharipande, MD, MPH

Learning Objectives:
1. Apply a basic knowledge of survey research to analyze the validity of a survey study.
2. Identify key steps of survey development and their importance for study interpretation.
3. Explain the generalizability of survey results to other patient populations.

[11:30 AM–12:00 PM]  Using Survey Research in Resident Education
Faculty: Corrie M. Yablon, MD

Learning Objectives:
1. Describe the process of constructing a meaningful research question.
2. Compare and contrast quantitative versus qualitative research methods, and evaluate the utility of a hybrid approach in survey research.
3. Explain how survey research can help to advance resident education.
4. Discuss the importance of a needs assessment in curricular development.

* Faculty financial disclosures are located in the Faculty Index.
Faculty financial disclosures are located in the Faculty Index.

10:30 AM–12:00 PM  SCARD Toolkit and Consulting Service for Optimizing Your Department  213
AMA PRA Category 1 Credits™: 1.50
Location: Grand Ballroom VII–VIII
Moderator: Alexander M. Norbash, MD*
Faculty: Alexander M. Norbash, MD*
Carolyn C. Meltzer, MD*

Learning Objectives:
1. Describe one method-driven approach to systematically evaluating the broad performance of academic radiology departments.
2. Define and explain effective principles in collecting, comparing, and categorizing performance data among academic radiology departments in an ongoing manner.
3. Describe pragmatic methods for defining and benchmarking the dynamic performance of academic radiology departments.

10:30 AM–12:00 PM  AUR Radiology Management Program (closed program)  214
Case 2: Outpatient Imaging Center—An Acceptable New Venture for Your Department?
AMA PRA Category 1 Credits™: 1.50
Faculty: Leonard Berlin, MD
Lawrence R. Muroff, MD

Learning Objectives:
1. Review, in a case-based mode, current management issues facing academic radiology departments (ARDs).
2. Familiarize prospective ARD leaders with decision making using mock departmental executive committees.
3. Train attendees in management problem solving guided by key experts in the field.

10:30 AM–12:00 PM  ARRALD Program 5 (closed program)  215
Becoming an Outstanding Teacher: Effective Case Conferences and Didactic Lectures
AMA PRA Category 1 Credits™: 1.50
Faculty: Jannette Collins, MD, MEd, FCCP

Learning Objectives:
1. Explain the principles of academic leadership.
2. Identify opportunities for practice improvement.
3. Develop approaches for practice improvement.

12:00–1:00 PM  Luncheon and Awards Ceremony
Location: Harborside Ballroom
Awards (Announcements and Introductions)
AUR Joseph E. and Nancy O. Whitley Award (pages 57, 70)
A’CR’2 Research Award (page 57)
AMSER Henry Goldberg Medical Student Award (pages 57, 100)
RAHSR Harvey L. Neiman Award (pages 57, 77)
RRA New Investigator Award (page 58)
AUR Trainee Prizes (pages 58, 66, 69, 78, 87, 89, 96)
AUR Stauffer Awards (page 58)
AUR R&E Foundation Ethics and Professionalism in Radiology Grant Award
AUR/RSNA Education Scholar Grant Award
AUR GERRAF Fellows (page 59)

1:00–1:45 PM  Vydradeny Imaging Interpretation Competition 1  216
AMA PRA Category 1 Credit™: 0.75
Location: Harborside Ballroom
Moderator: Christine M. Peterson, MD
Faculty: Justin B. Bigger, MD
Jonathan R. Enterline, MD

* Faculty financial disclosures are located in the Faculty Index.
1:00–3:30 PM  AUR Radiology Management Program (closed program) 217
AMA PRA Category 1 Credits™: 2.50

Faculty: Leon Lenchik, MD  
King C. Li, MD

[2:30–3:30 PM]  Case 4: Managing Faculty Conflict of Interest Issues—Part 1
Faculty: Carolyn C. Metzler, MD*  
Steven E. Seltzer, MD*

Learning Objectives:
1. Review, in a case-based mode, current management issues facing academic radiology departments (ARDs).
2. Familiarize prospective ARD leaders with decision making using mock departmental executive committees.
3. Train attendees in management problem solving guided by key experts in the field.

1:45–2:00 PM  Break

2:00–3:00 PM  American College of Radiology
What Can the ACR Do for You? What Can You Do for the ACR?
AMA PRA Category 1 Credits™: 1.00
Location:  Grand Ballroom I–III
Moderators: Kevin Liaw, MD  
Robert B. Percarpio, MD
Faculty: Paul H. Ellenbogen, MD

Learning Objectives:
1. Explain the mission and vision of the American College of Radiology (ACR).
2. Compare national organizations such as ACR, ABR, and RSNA.
3. Discuss opportunities for residents and fellows to be involved in ACR activities.

2:00–3:30 PM  Hot Topics
AMA PRA Category 1 Credits™: 1.50
Location:  Essex
Moderator: Donna Magid, MD, MEd

[2:00–2:20 PM]  Diagnostic Radiology/Interventional Radiology Update: What to Tell Students
Faculty: Kimi L. Kondo, DO*

Learning Objectives:
1. Explain the most current information regarding the ACGME program requirements and the accreditation process for the interventional radiology (IR)/diagnostic radiology (DR) dual certificate.
2. Describe the transition period from the current IR fellowship paradigm to the new 3 DR + 2 IR residency format.
3. Discuss the impact on radiology medical student education, including the recruitment and advising of students interested in DR and/or IR.

[2:20–2:40 PM]  US: Collaboration with Other Departments; Point-of-Care US
Faculty: Donald N. Di Salvo, MD

Learning Objectives:
1. Explain the difficulties inherent in expanding radiologist involvement in preclinical medical student education.
2. Develop an ultrasound curriculum within a preexisting medical school course.
3. Identify the collaboration needed between radiologists and nonradiologists to create such a course.
4. Identify necessary resources for the course.
5. Explain the benefits to the radiology department that accrue as a result of such a course.

[2:40–3:00 PM]  The Future of Radiology: What to Say to Medical Students and House Staff
Faculty: Jason J. Naidich, MD, MBA

Learning Objectives:
1. Describe the changing economic landscape.
2. Discuss the evolving role of the radiologist in integrated health care delivery models.
3. State a positive message for trainees concerned about the future of radiology.

* Faculty financial disclosures are located in the Faculty Index.
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<tr>
<th>Time</th>
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<th>Location</th>
<th>Credits</th>
<th>Moderators/Faculty</th>
<th>Learning Objectives</th>
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| 2:00–3:30 PM  | **ACR White Paper: State of Radiology Education**                     | Location       |         | Christopher M. Straus, MD                                                           | 1. Identify trends in medical student education and medical imaging.  
2. Describe the barriers to effective education.  
3. Recommend potential new educational methodologies to improve medical student curricular experience. |
|               | **Q&A**                                                              | Location       |         |                                                                                     |                                                                                                                                                    |
|               | **RRC Update**                                                       | Grand Ballroom VI | 1.50   | Lawrence P. Davis, MD, Felicia Davis, Jeanne M. LaBerge, MD                         | 1. Explain the key aspects of the new milestones and the functions of the Clinical Competency Committee.  
2. List the key aspects of the Next Accreditation System (NAS), and discuss ways that programs can adapt.  
3. Identify changes that may occur in relationship to the new interventional radiology (IR) residency programs. |
|               | **When Policy Outpaces Evidence: The Case of Breast Density Legislation** | Kent           | 1.50   | Janie M. Lee, MD, Bethany L. Niel, MD, PhD                                          | 1. Describe the challenges of incorporating newly required breast density reporting statutes into clinical breast imaging practice.  
2. Identify the major drivers of cost-effectiveness for digital breast tomosynthesis as a supplementary screening tool for women with dense breasts.  
3. Compare traditional randomized clinical trials to new clinical trial paradigms in radiology, including pragmatic and exploratory trials. |
| 2:00–3:30 PM  | **ARLM Leadership Development and Succession Planning in Your Department** | Grand Ballroom VII–VIII | 1.50   | Alexander M. Norbash, MD, Norman J. Beauchamp, Jr, MD, Angelisa M. Paladin, MD, Valerie P. Jackson, MD | 1. Explain how to provide to department leaders the skills and tactics needed to advance the mission of an academic radiology department.  
2. Describe how to establish individual leadership development plans as well as team development exercises.  
3. Explain how to foster leadership among residents.  
4. Identify key attributes of a leader.  
5. Explain how to create buy-in by faculty leaders to participate in a leadership development program.  
6. Identify tools and tactics useful for leadership development.  
7. Discuss leadership development partnerships accessible at academic institutions. |

* Faculty financial disclosures are located in the Faculty Index.
3:00–3:30 PM  
**A\(^\circ\)CR\(^\circ\) Business Meeting and Elections (members only)**  
Location: Grand Ballroom I–III  
Moderators: Joseph I. Boonsiri, MD  
Dillenia Reyes, MD

3:30–4:00 PM  
**Break and Poster Viewing**  
Location: Grand Ballroom V

4:00–5:00 PM  
**AUR Radiology Management Program (closed program)**  
AMA PRA Category 1 Credit\(^\text{TM}\): 1.00  
[4:00–4:45 PM]  
**Case 4: Managing Faculty Conflict of Interest Issues—Part 2**  
Faculty: Carolyn C. Meltzer, MD\*  
Steven E. Seltzer, MD\*

[4:45–5:00 PM]  
**Discussion**  
Learning Objectives:  
1. Review, in a case-based mode, current management issues facing academic radiology departments (ARDs).  
2. Familiarize prospective ARD leaders with decision making using mock departmental executive committees.  
3. Train attendees in management problem solving guided by key experts in the field.

4:00–5:30 PM  
**Brogdon Panel: Innovation in Leadership**  
AMA PRA Category 1 Credit\(^\text{TM}\): 1.50  
Location: Grand Ballroom VI  
Moderators: Jennifer Chang, MD  
Michael E. Cody, MD  
Faculty: Paul H. Ellenbogen, MD  
Vijay M. Rao, MD  
Learning Objectives:  
1. Contrast and compare leadership training opportunities for radiologists.  
2. Describe a personal leadership pathway.  
3. Examine and appraise ACR initiatives for women and diversity and how these relate to leadership.

4:45–5:30 PM  
**RAHSR Business Meeting**  
Location: Falkland

6:30–8:30 PM  
**AUR Welcome Reception**  
Location: B&O Railroad Museum

* Faculty financial disclosures are located in the Faculty Index.
Thursday, April 3, 2014

6:30–8:00 AM  **Continental Breakfast (all attendees)**
Location: Grand Ballroom V

6:30 AM–4:30 PM  **Meeting Registration**
Location: Grand Ballroom Registration Desk

6:30 AM–5:00 PM  **Exhibit Viewing**
Location: Grand Ballroom Foyer

6:30 AM–5:00 PM  **Poster Viewing**
Location: Grand Ballroom V

6:30 AM–6:00 PM  **Speaker Ready Room**
Location: Dover

7:00–8:15 AM  **AMSER Members Meeting**
Location: Essex
Moderator: Carl R. Fuhrman, MD

7:00–8:15 AM  **AMA PRA Category 1 Credit™ Poster Session 2**  300
AMA PRA Category 1 Credits™: 1.25
Location: Grand Ballroom V

7:00–8:15 AM  **American Board of Radiology**  301
AMA PRA Category 1 Credits™: 1.25
Location: Grand Ballroom I–III
Moderators: Borko Kereshi, MD
Kay H. Vydareny, MD

Learning Objectives:
1. Identify the differences between the new ABR examination paradigm (ie, the ABR Core and Certifying Examinations) and the previous (ie, the physics, clinical, and oral examinations).
2. Describe the new examinations and associated study materials to fellow residents.
3. Describe the new interventional radiology (IR) residency and IR/DR certificate and the progress made toward implementation to fellow residents and interested medical students.

7:00–8:15 AM  **Educational Issues Faced by Our Department That I Helped Solve**  302
AMA PRA Category 1 Credits™: 1.25
Location: Grand Ballroom VI
Moderator: Mark E. Mullins, MD, PhD
Faculty: Theresa C. McLoud, MD
Janet A. Munroe, MD
Bruno A. Policeni, MD

Learning Objectives:
1. Identify opportunities for improvement in educational activities in their own milieu.
2. Assess solutions that have been used previously for similar situations—in particular, whether or not these may be applicable to their own situation.
3. Identify specific solutions to educational issues in their own practice/environment.

7:00–8:15 AM  **ACGME Update**  303
AMA PRA Category 1 Credits™: 1.25
Location: Grand Ballroom VII–VIII
Moderator: Mandy L. Velligan, BA
Faculty: Felicia Davis
Lauren Johnson

Learning Objectives:
1. Explain updates on ACGME’s Next Accreditation System.
2. Discuss information on the new program review process.
3. Explain updates from ACGME and the Review Committee for Radiology.

* Faculty financial disclosures are located in the Faculty Index.
7:00–8:15 AM
GERRAF Research in Progress: Session 1
AMA PRA Category 1 Credits™: 1.25
Location: Kent
2014 Junior Fellow Presentation

8:00–10:00 AM
AUR Radiology Management Program (closed program)
AMA PRA Category 1 Credits™: 2.00
[7:00–8:30 AM] Special Lecture: Are You Ready for Big Data in Radiology?
Faculty: Paul G. Nagy, PhD*
[8:30–10:00 AM] Case 5: Lemonade from Lemons—Practice Quality Improvement
Faculty: Jocelyn D. Chertoff, MD, MS
Stephen Chan, MD

Learning Objectives:
1. Review, in a case-based mode, current management issues facing academic radiology departments (ARDs).
2. Familiarize prospective ARD leaders with decision making using mock departmental executive committees.
3. Train attendees in management problem solving guided by key experts in the field.

8:30–10:00 AM
Problem Solving: Part 2
AMA PRA Category 1 Credits™: 1.50
Location: Grand Ballroom VI
Moderators: Jessica R. Leschied, MBBCh
Peter A. Harri, MD
Faculty: Darel E. Heitkamp, MD
Charles S. Resnik, MD
Richard B. Ruchman, MD

Learning Objectives:
1. Present small-group solutions to all participants.
2. Formulate an overall problem-solving action plan.

8:30–10:00 AM
Effective Teaching
AMA PRA Category 1 Credits™: 1.50
Location: Grand Ballroom I–III
Moderator: Erin E. O’Connor, MD
[8:30–8:45 AM] Flipped Classroom
Faculty: Joseph V. Philip, MD

Learning Objectives:
1. Define a flipped classroom traditionally and more broadly.
2. List student goals/outcomes possible with a flipped classroom.
3. Identify possible difficulties for a radiologist using a flipped classroom in teaching medical students and radiology residents.
4. List small steps that a radiologist can try in order to make a classroom or conference more like a flipped model for medical students or radiology residents.

[8:45–9:00 AM] Total Recall: Pre- and Postlecture Assessment and the Reality in Between
Faculty: C. Alexander Grieco, MD

Learning Objectives:
1. State the purpose and benefits of prelecture assessment from the instructor’s perspective.
2. Identify two common sources of disconnect between lecture content and assessment from the learner’s perspective.
3. Explain the concept and implementation of flipped objectives.

* Faculty financial disclosures are located in the Faculty Index.
[9:00–9:20 AM] Avoiding Cognitive Overload
Faculty: Petra J. Lewis, MD*
Learning Objectives:
1. Explain the concept of "cognitive overload."
2. Describe three ways that cognitive overload can be produced during didactic lectures.
3. Explain how cognitive overload impairs learning.
4. Revise a lecture to reduce cognitive overload.

[9:20–9:45 AM] Optimizing Your PowerPoint Lecture Slides for Effective Delivery
Faculty: Eric J. Stern, MD
Learning Objectives:
1. Identify the features that make for a good or bad lecture, including both presentation software techniques and personal delivery skills.
2. Self-critique their own presentations.
3. Discuss how to apply these insights to their own lectures to better engage and improve knowledge transfer to learners.

[9:45–10:00 AM] Q&A

8:30–10:00 AM
GERRAF Research in Progress: Session 2 308
AMA PRA Category 1 Credits™: 1.50
Location: Kent
2014 Junior Fellow Presentation

10:00–10:30 AM
Break and Poster Viewing
Location: Grand Ballroom V

10:30 AM–12:00 PM
APCR Business Meeting 2
Location: Essex

10:30 AM–12:00 PM
AUR Plenary: Leadership, Change, and Organizational Readiness 309
AMA PRA Category 1 Credits™: 1.50
Location: Grand Ballroom VI
Moderator: Jonathan S. Lewin, MD
Faculty: Ann-Michele Gundlach, EdD
Learning Objectives:
1. Discuss the key components of effective leadership in an environment of dynamic change.
2. Describe the role of leadership in successful organizational change readiness.
3. Explain the relationship between organizational culture and leadership.

10:30 AM–12:00 PM
AUR Radiology Management Program (closed program) 310
Case 6: Concierge Radiology
AMA PRA Category 1 Credits™: 1.50
Faculty: Saurabh Jha, MBBS
Neerav R. Mehta, MD
Learning Objectives:
1. Review, in a case-based mode, current management issues facing academic radiology departments (ARDs).
2. Familiarize prospective ARD leaders with decision making using mock departmental executive committees.
3. Train attendees in management problem solving guided by key experts in the field.

12:00–1:00 PM
Luncheon and AUR Business Meeting
Location: Harborside Ballroom

1:00–1:45 PM
Vydareny Imaging Interpretation Competition 2 311
AMA PRA Category 1 Credit™: 0.75
Location: Harborside Ballroom
Moderator: Christine M. Peterson, MD
Faculty: Justin B. Bigger, MD
Jonathan R. Enterline, MD

* Faculty financial disclosures are located in the Faculty Index.
1:00–3:30 PM
AUR Radiology Management Program (closed program) 312
AMA PRA Category 1 Credits™: 2.50

[1:00–2:45 PM] ARLM Case 7: Negotiation Skills—The Case of Financial Negotiation for Equipment Purchases
Faculty: Dieter R. Enzmann, MD
James Jay*

Faculty: Richard B. Gunderman, MD, PhD
Learning Objectives:
1. Review, in a case-based mode, current management issues facing academic radiology departments (ARDs).
2. Familiarize prospective ARD leaders with decision making using mock departmental executive committees.
3. Train attendees in management problem solving guided by key experts in the field.

1:45–2:00 PM
Break

2:00–3:30 PM AUR Scientific Sessions
Each individual session provides AMA PRA Category 1 Credits™: 1.50.
See page numbers listed for abstracts to be presented in each session.

SS01: Education of Medical Students SS01
(See pages 61–63.)
Location: Grand Ballroom VII–VIII

SS02: Neuroradiology; Nuclear Medicine; Musculoskeletal; Interventional Radiology SS02
(See pages 64–67.)
Location: Grand Ballroom I–III

SS03: Education of Residents SS03
(See pages 67–70.)
Location: Grand Ballroom VI

SS04: Women's Imaging; Health Services SS04
(See pages 70–73.)
Location: Kent

SS05: Radiology Potpourri SS05
(See pages 73–76.)
Location: Essex

SS06: RAHSR Session SS06 [TBD]
(See pages 76–79.)
Location: Grand Ballroom IV

3:30–4:00 PM
Break and Poster Viewing
Location: Grand Ballroom V

4:00–5:30 PM
Creating Line Art in Photoshop Workshop (advance registration required) 313 OT
AMA PRA Category 1 Credits™: 1.50
Location: Waterview Ballroom A–B
Moderators: Mahesh M. Thapa, MD
Joel A. Gross, MD, MS
Jeffrey P. Otjen, MD
Learning Objectives:
1. Specify the utility of the “Glowing Edges” and “Levels” tools in Photoshop.
2. Convert a radiograph to line art using Photoshop.
3. Convert a CT image to line art using Photoshop.

* Faculty financial disclosures are located in the Faculty Index.
Milestones for the Residencies and Fellowships

Implementing the Milestones for Diagnostic Radiology
Faculty: Donald J. Flemming, MD*

Learning Objectives:
1. Explain the fundamental principles of the milestones project.
2. Describe possible milestones implementation strategies.
3. Discuss the importance of faculty development for milestones project success.

Milestones for Fellowship Programs and Updates to the DR/IR Certificate and Residency
Faculty: Jennifer E. Gould, MD*

Learning Objectives:
1. Apply the newly written subspecialty ACGME milestones to existing fellowship training programs.
2. Develop educational and assessment tools for the subspecialty ACGME milestones.
3. Describe the new interventional radiology (IR) residency and how it compares to the current training pathways for IR.
4. Explain the IR residency to appropriate candidates.

Engaging Patients in Clinical Practice and Research

Engaging Patients in Clinical Practice
Faculty: Teresa Chapman, MD, MA

Engaging Patients in Clinical Research
Faculty: Fiona M. Fennessy, MD, PhD

Patients as Partners: Patient-Centered Outcomes Research Institute Opportunities for Radiology
Faculty: James V. Rawson, MD

Learning Objectives:
1. Describe an approach to shared decision making that is focused on improving patient experiences with diagnostic testing.
2. Discuss the increasing emphasis on including the patient perspective and measuring quality of life in clinical research.
3. Explain the importance of radiologist involvement with the Patient-Centered Outcomes Research Institute (PCORI).

Crucial Conversations between Program Directors and Department Chairs: The APDR Member Survey

Learning Objectives:
1. Describe successful methods of collaboration between radiology department chairs and program directors.
2. Differentiate Core Exam preparation methodologies.
3. Compare fellowship and residency education issues.
4. Evaluate interventional radiology residency implementation strategies.

* Faculty financial disclosures are located in the Faculty Index.
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<tr>
<td>4:00–6:15 PM</td>
<td><strong>AUR Radiology Management Program</strong> (closed program)</td>
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<td><em>AMA PRA Category 1 Credits</em>: 2.25</td>
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<tr>
<td>[4:00–5:15 PM]</td>
<td>Case 8: Academic Missions in Academic Radiology—Part 2</td>
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<td>Faculty: Richard B. Gunderman, MD, PhD</td>
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<td>[5:15–5:30 PM]</td>
<td>Closing Remarks</td>
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<td>[5:30–6:00 PM]</td>
<td>Keynote Speaker: Valerie P. Jackson, MD</td>
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<td>Leadership: Lessons from the Game of Chutes and Ladders</td>
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<td>[6:00–6:15 PM]</td>
<td>Program Recognition</td>
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<td><strong>ARRALD Program 6</strong> (closed program)</td>
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<td>Faculty: Ruth C. Carlos, MD, MS James V. Rawson, MD</td>
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<td>1. Explain the principles of academic leadership.</td>
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<tr>
<td>5:00– 6:00 PM</td>
<td>RRA Business Meeting</td>
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<td>Location: Chasseur</td>
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<tr>
<td>5:30–5:45 PM</td>
<td><strong>ACER Business Meeting</strong></td>
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<td>Location: Waterview Ballroom C–D</td>
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<tr>
<td>5:45–7:00 PM</td>
<td><strong>AMSER/ACER Reception and Open House</strong></td>
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<td>Location: Waterview Ballroom C–D</td>
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<td>Mix and socialize with other radiology educators, learn about the benefits of AMSER and ACER membership, and sign up for committee membership and other active participation in ongoing AMSER and ACER projects.</td>
</tr>
</tbody>
</table>

* Faculty financial disclosures are located in the Faculty Index.
## Friday, April 4, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30–8:00 AM</td>
<td><strong>Continental Breakfast (all attendees)</strong></td>
<td>Grand Ballroom V</td>
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<tr>
<td>6:30 AM–12:00 PM</td>
<td><strong>Exhibit Viewing</strong></td>
<td>Grand Ballroom Foyer</td>
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<tr>
<td>6:30 AM–12:00 PM</td>
<td><strong>Poster Viewing</strong></td>
<td>Grand Ballroom V</td>
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<tr>
<td>6:30 AM–4:00 PM</td>
<td><strong>Speaker Ready Room</strong></td>
<td>Dover</td>
<td></td>
</tr>
<tr>
<td>6:30 AM–4:30 PM</td>
<td><strong>Meeting Registration</strong></td>
<td>Grand Ballroom Registration Desk</td>
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</tr>
<tr>
<td>7:00–8:00 AM</td>
<td><strong>Professional Development for the Program Coordinator</strong></td>
<td>Grand Ballroom VII–VIII</td>
<td>1.00</td>
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<td><strong>Professional Development for the Program Coordinator</strong></td>
<td>Grand Ballroom VII–VIII</td>
<td>1.00</td>
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<td><strong>Redesigning a Leadership Structure for Program Coordinators to Meet the Needs of the Next Accreditation System</strong></td>
<td>Dover</td>
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</tr>
<tr>
<td>7:00–8:30 AM</td>
<td><strong>GERRAF Research in Progress: Session 3</strong></td>
<td>Kent</td>
<td>1.50</td>
</tr>
<tr>
<td>7:15–10:00 AM</td>
<td><strong>AUR Academic Faculty Development Program (closed program)</strong></td>
<td>Kent</td>
<td>2.75</td>
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<tr>
<td>7:15–7:30 AM</td>
<td><strong>Welcome</strong></td>
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<tr>
<td>7:30–8:00 AM</td>
<td><strong>Excelling at Education: The Learner’s Perspective</strong></td>
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<tr>
<td>8:00–8:30 AM</td>
<td><strong>Excelling at Research</strong></td>
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<tr>
<td>8:30–9:00 AM</td>
<td><strong>Ethics and Publishing</strong></td>
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</tr>
</tbody>
</table>

* Faculty financial disclosures are located in the Faculty Index.*
[9:00–10:00 AM]  
**Chair Roundtable: How a Chair Can Help Your Career**

**Moderator:** N. Reed Dunnick, MD  
**Faculty:** Carolyn C. Meltzer, MD*  
Steven E. Seltzer, MD*

**Learning Objectives:**
1. Enumerate the key missions of an academic radiologist.
2. Describe strategies for performing well in each of these missions.
3. Develop a personal plan to enhance success as an academic radiologist.

8:00–9:00 AM  
**Idea Forum: Open Microphone Discussion (A²CR² members only)**  

*AMA PRA Category 1 Credits*: 1.00  
*Location:* Grand Ballroom I–III  
**Moderators:** Stephen I. Johnson, MD  
Jeffrey A. Belair, MD  
Thomas W. Keimig, MD  
**Faculty:** Gautham P. Reddy, MD  
Darel E. Heitkamp, MD

**Learning Objectives:**
1. Share experiences and identify mutual challenges among member chief residents representing programs from across the country.
2. Productively exchange and appraise ideas on a variety of practical real-world issues affecting diagnostic radiology residency training.
3. Develop and disseminate innovative tangible solutions for shared challenges that can be employed at their home institutions.

8:30–10:00 AM  
**Engaging Academic Radiologists in Health Services Research**  

*AMA PRA Category 1 Credits*: 1.50  
*Location:* Grand Ballroom VII–VIII  
**Moderators:** Saurabh Jha, MBBS  
Marta E. Heilbrun, MD  
**Faculty:** Satoshi Minoshima, MD, PhD*  
Gelareh Sadigh, MD

**Learning Objectives:**
1. Explain the role of health services research (HSR) in radiology and radiology resident training.
2. Define the unique research skills necessary for a health services career in radiology.
3. Identify learning resources to gain these HSR skills.
4. Describe opportunities for funding, discussion, and dissemination of HSR projects.
5. Motivate leaders, colleagues, and residents to become involved in HSR projects.

8:30–10:00 AM  
**Nuclear Medicine and Molecular Imaging of the Future: Leadership in Practice, Education, and Research**  

*AMA PRA Category 1 Credits*: 1.50  
*Location:* Grand Ballroom VI  
**Moderator:** Jay A. Harolds, MD  
**Faculty:** Jay A. Harolds, MD  
Martin G. Pomper, MD, PhD*  
Peter Herscovitch, MD

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* Faculty financial disclosures are located in the Faculty Index.
FRIDAY SCHEDULE

[9:15–9:25 AM] Views of the American Board of Nuclear Medicine
Faculty: Eric M. Rohren, MD, PhD

Faculty: Milton J. Guiberteau, MD

Faculty: Vijay M. Rao, MD

[9:45–9:55 AM] Views of the American College of Radiology
Faculty: Bibb Allen, Jr, MD

[9:55–10:00 AM] Q&A

Learning Objectives:
1. Define molecular imaging.
2. List what new aspects of molecular imaging are likely to be clinically used by radiologists and nuclear medicine physicians in the next 5, 10, and 15 years.
3. List and discuss at least three initiatives of the Society of Nuclear Medicine and Molecular Imaging (SNMMI) in molecular imaging.
4. Discuss the views of the American Board of Radiology (ABR) and the American Board of Nuclear Medicine (ABNM) regarding testing in molecular imaging.
5. Discuss the views of the American College of Radiology (ACR) and the Radiological Society of North America (RSNA) regarding molecular imaging.

8:30–10:00 AM
ARRALD Program 7 (closed program) 408
Roundtable Summary Discussions and Conclusions
AMA PRA Category 1 Credits™: 1.50
Faculty: Ruth C. Carlos, MD, MS
James V. Rawson, MD

Learning Objectives:
1. Explain the principles of academic leadership.
2. Identify opportunities for practice improvement.
3. Develop approaches for practice improvement.

9:00–10:00 AM
Case Review: Diagnostic Radiology 409
AMA PRA Category 1 Credit™: 1.00
Location: Grand Ballroom I–III
Moderators: Brett T. Roberts, MD
Paul F. von Herrmann, MD
Faculty: Lori A. Deitte, MD

Learning Objectives:
1. Describe the key magnetic resonance imaging features of hepatic masses.
2. Compare and contrast the imaging features of various gastric masses.
3. Discuss a differential for cystic lesions of the pancreas.

10:00–10:30 AM
Break
Location: Grand Ballroom V

10:30 AM–12:00 PM
Case Review: Diagnostic Radiology 410
AMA PRA Category 1 Credits™: 1.50
Location: Grand Ballroom I–III
Moderators: Brett T. Roberts, MD
Paul F. von Herrmann, MD
Faculty: M. Victoria Marx, MD

Learning Objectives:
1. Review interesting cases, initially as unknowns and then with brief focused “pearls.”
2. Identify abnormalities on imaging studies.
3. Develop appropriate differential diagnoses.
4. Describe appropriate management.

* Faculty financial disclosures are located in the Faculty Index.
10:30 AM–12:00 PM  
**Brain-Friendly Teaching Workshop (advance registration required)**  
AMAPRA Category 1 Credits\(^\text{TM}\): 1.50  
Location: Waterview Ballroom A–B  
Moderator: Petra J. Lewis, MD*  
Faculty: Nancy J. McNulty, MD*  
Mahesh M. Thapa, MD  
Sravani Reddy, MD  
Eric J. Stern, MD  
Stefan Tigges, MD*

Learning Objectives:
1. Explain how cognitive overload can be decreased in PowerPoint presentations.
2. Describe common errors made on example slides.
3. Evaluate and revise a personal prior lecture to decrease cognitive load and improve audience learning.

Registrants will need to bring a laptop (PC or Mac) with either PowerPoint or Keynote preloaded. Registrants should also bring a soft copy of one or more lectures that they have made which they feel need to be made “brain friendly.”  
All participants should attend the Effective Teaching session scheduled on Thursday, April 3, at 8:30–10:30 AM, which will introduce key skills for this workshop.

10:30 AM–12:00 PM  
**Global Health Initiatives in Radiology Education**  
AMAPRA Category 1 Credits\(^\text{TM}\): 1.50  
Location: Grand Ballroom VI  
Moderator: Kristen K. DeStigter, MD*  

[10:30–11:00 AM] Five Years of “PQI” in Uganda: The Vital Role of Radiology Residents in Global Health Solutions  
Faculty: Kristen K. DeStigter, MD*

[11:00–11:20 AM] If You Give a Man a Fish …: Developing a Residency Training Program in Ethiopia  
Faculty: Janet E. Bailey, MD

Faculty: Rebecca E. Gerber, MD  
Mary F. Wood, MD

[11:50 AM–12:00 PM] Q&A

Learning Objectives:
1. Discuss the latest initiatives and innovations in radiology global health education.
2. Describe various opportunities for radiology residents to become involved in global health initiatives.
3. Explain the challenges for radiology residents interested in getting involved in global health.
4. Discuss the future of global health opportunities in the new diagnostic radiology educational paradigm.

10:30 AM–12:00 PM  
**GERRAF Research in Progress: Session 4**  
AMAPRA Category 1 Credits\(^\text{TM}\): 1.50  
Location: Kent  
2014 Junior Fellow Presentation

10:30 AM–12:00 PM  
**Computer Decision Support: Implementation and Pitfalls**  
AMAPRA Category 1 Credits\(^\text{TM}\): 1.50  
Location: Grand Ballroom VII–VIII  
Moderator: Ronald L. Arenson, MD  
Faculty: Ramin Khorasani, MD, MPH*  
Bruce E. Lehnert, MD  
Paul H. Ellenbogen, MD

Learning Objectives:
1. Describe the context (eg, concerns about inappropriate use of imaging, quality and waste preauthorization programs, meaningful use, etc) and urgency for the use of computer decision support (CDS) for improving the appropriateness of diagnostic imaging.
2. Define decision support, describe attributes of effective decision support, and discuss current understanding of the impact of CDS on use of imaging.
3. Discuss current gaps, opportunities, and future direction: (a) quality of evidence; and (b) optimal integration into the electronic health record (EHR).

* Faculty financial disclosures are located in the Faculty Index.
10:30 AM–12:00 PM  AUR Academic Faculty Development Program: Breakout Sessions (closed program)  415
AMA PRA Category 1 Credits™: 1.50
Faculty:
- Stanley Baum, MD
- Johan G. Blickman, MD, PhD*
- Felix S. Chew, MD, MBA
- Richard B. Gunderman, MD, PhD
- Beth G. McFarland, MD*
- Rathan M. Subramaniam, MD, PhD, MPH*

[10:30–11:15 AM] Breakout Session 1
[11:15 AM–12:00 PM] Breakout Session 2

Learning Objectives:
1. Enumerate the key missions of an academic radiologist.
2. Describe strategies for performing well in each of these missions.
3. Develop a personal plan to enhance success as an academic radiologist.

10:30 AM–12:30 PM  AMSCR Program  416
AMA PRA Category 1 Credits™: 1.50
Location: Essex
Moderator: Mandy L. Velligan, BA

[10:30–11:15 AM] Radiology Clerkship/Course Management from the Program Director and Coordinator Perspectives
Faculty:
- Christopher M. Straus, MD
- David M. Naeger, MD
- Melinda G. Parangan-Chu
- Patricia Reyes

Learning Objectives:
1. Identify key aspects leading to a successful team effort between course director and coordinators for any given radiology course/clerkship.
2. Compare and differentiate the course coordinator’s role in programs with varying resources and structure.
3. Compare and differentiate course administrative and educational activities that are appropriate for the course director to do versus the course coordinator.

[11:15 AM–12:00 PM] Problem-solving Roundtables: ExamWeb, Resources for Course Coordination, and Coordinator Time Management (Effective Course Coordination with Conflicting Job Responsibilities)
Faculty: Melinda G. Parangan-Chu
- Patricia Reyes

Learning Objectives:
1. Discuss online and other resources for coordinators to enhance their medical student education tools.
2. Identify some time management obstacles and barriers when juggling multiple roles as a coordinator.
3. Explain how to prioritize and organize to complete the workload and meet deadlines.
4. Explain the value of using online resources in course management (EValue for portfolio tracking and ExamWeb for exam development).
5. Identify potential networking tools for course coordinators.

[12:00–12:30 PM] AMSCR Business Meeting
Faculty: Melinda G. Parangan-Chu
- Patricia Reyes

12:00–12:30 PM  Innovations Program Lunch
Location: Harborside Ballroom C

* Faculty financial disclosures are located in the Faculty Index.
AUR Academic Faculty Development Program (closed program)
Lunch and Keynote Address
The Radiology Leader: Architect of Human Potential
AMA PRA Category 1 Credit™: 1.00
Faculty: James V. Rawson, MD

Learning Objectives
1. Enumerate the key missions of an academic radiologist.
2. Describe strategies for performing well in each of these missions.
3. Develop a personal plan to enhance success as an academic radiologist.

SCARD Business Meeting and Luncheon
Location: Harborside Ballroom D

Innovations in Academic Radiology Program 2014:
Developing Transformational Leadership in Academic Radiology
(Supported by an unrestricted educational grant from Carestream Health)
AMA PRA Category 1 Credits™: 2.25
Location: Harborside Ballroom C
Program Chair: Pablo R. Ros, MD, MPH
Course Director: James V. Rawson, MD

Introduction and Overview
Transformational Leadership Defined
Faculty: Norman B. Thomson III, MD, MBA

Education
Leadership Development for Residents and Fellows
Faculty: Jocelyn D. Chertoff, MD, MS

Motivating Faculty to Teach
Faculty: David M. Yousem, MD

Q&A

Research
Innovation Leadership from the Get-Go: The Trainees
Faculty: Marta E. Heilbrun, MD

Instilling a Research Culture
Faculty: Yoshimi Anzai, MD, MPH

Becoming a Master Researcher
Faculty: Mitchell D. Schnall, MD, PhD

Q&A

Clinical
Imaging Leading the Game Change in Health Systems
Faculty: Steven E. Seltzer, MD

Change Management: Leading the Transformation
Faculty: Richard O. Davis, PhD

Q&A

Conclusion
The Radiologist as an Enterprise Leader
Faculty: James V. Rawson, MD

Learning Objectives:
1. Define transformational leadership.
2. Explain the role of leadership in motivating residents and faculty.
3. Discuss the opportunity for radiologists to lead changes in health care.

* Faculty financial disclosures are located in the Faculty Index.
1:30–3:30 PM

**AUR Academic Faculty Development Program (closed program)**

*AMA PRA Category 1 Credits™: 2.00*

[1:30–2:00 PM] Career Development Awards

Faculty: Rathan M. Subramaniam, MD, PhD, MPH

[2:00–2:30 PM] Service to Radiology Organizations

Faculty: C. Matthew Hawkins, MD


Moderator: Richard B. Gunderman, MD, PhD
Faculty: Aine M. Kelly, MD, MS
Eric J. Stern, MD

Learning Objectives:
1. Enumerate the key missions of an academic radiologist.
2. Describe strategies for performing well in each of these missions.
3. Develop a personal plan to enhance success as an academic radiologist.

1:30–4:00 PM

**Teaching Certificate Program 2014: Hot Topics in Radiology Education**

*AMA PRA Category 1 Credits™: 2.50*

Location: Grand Ballroom III
Moderators: Lori A. Deitte, MD
Beverly P. Wood, MD, PhD, MSEd

[1:30–1:45 PM] Preparing for Round 2 of the Core Exam: Faculty Perspective

Faculty: Theresa C. McLeod, MD
Lori A. Deitte, MD

Learning Objectives:
1. Describe resources and curricular changes that helped residents prepare for the Core Exam.
2. Discuss strategies for preparing future residents for the Core Exam.

[1:45–2:00 PM] Preparing for Round 2 of the Core Exam: Resident Perspective

Faculty: Richard D. Beegle, MD

Learning Objectives:
1. List multiple resources available for preparation for the Core Exam.
2. Identify high-yield topics for the Core Exam.
3. Develop a learning plan to bring back to their residency programs.

[2:00–2:10 PM] Small Group/Q&A

[2:10–2:25 PM] iFad? Can Mobile Technology Really Improve the Way We Teach?

Faculty: Harprit S. Bedi, MD

Learning Objectives:
1. Discuss basic adult learning theory.
2. Analyze the role that mobile technology can play in learning.
3. Discuss recent literature on the use of mobile technology in radiology.
4. Explain ways in which mobile technology may be utilized in a teaching program.


Faculty: James E. Silberzweig, MD

Learning Objectives:
1. Identify challenges to presenting a didactic curriculum to residents of varying experience levels.
2. Describe the organization of a weekly full-day educational conference.
3. Compare logistical considerations of the megaconference format with conventional daily conferences.
4. Assess the educational value of instituting the megaconference format.
5. Describe how evaluation tools are incorporated into the megaconference.

[2:40–2:50 PM] Small Group/Q&A

* Faculty financial disclosures are located in the Faculty Index.
[2:50–3:00 PM] The Milestones: Nuts and Bolts
Faculty: Lori A. Deitte, MD

Learning Objectives:
1. Describe methods of assessment and of the milestones.
2. Discuss the role for the Clinical Competency Committee in assessing resident progress in the milestones.

Faculty: Edwin F. Donnelly, MD, PhD

Learning Objectives:
1. List some of the difficulties of introducing a major change to a long-standing curriculum.
2. Describe strategies for gathering support from the teaching faculty to implement a major curriculum change.
3. Identify major components of leadership as they relate to radiology residents.
4. Describe a curriculum for the teaching of residents using both didactic and experiential methods.

Faculty: Jessica B. Robbins, MD

Learning Objectives:
1. Discuss ways to incorporate the milestones into the core curriculum.
2. Describe how end-of-rotation evaluations can be utilized to assess the milestones, track progress, and provide feedback.

Faculty: Lisa H. Lowe, MD

Learning Objectives:
1. Describe how to implement a curriculum in reporting and communication.
2. Identify methods used to assess trainees’ reporting communication skills.
3. State how a dictation and reporting curriculum can contribute to assessment of radiology resident communication milestones.

[3:45–4:00 PM] Small Group/Q&A

2:00–3:30 PM  ARLM Health Care Reform: Preparing Faculty for Challenges That Face Us 421
AMA PRA Category 1 Credits™: 1.50
Location: Grand Ballroom VII–VIII
Moderator: Steven E. Seltzer, MD
Faculty: Elias R. Melhem, MD, PhD
Carolyn C. Meltzer, MD
Valerie P. Jackson, MD
Michael P. Recht, MD

Learning Objectives:
1. Explain the impact of health care reform legislation on academic radiology practices.
2. Describe the specific challenges facing academic radiologists as a result of recent health care reform changes.
3. Suggest and implement strategies to sustain the tripartite academic missions of departments and of faculty.

4:00–4:30 PM    AUR Academic Faculty Development Program (closed program) 422
AMA PRA Category 1 Credits™: 0.50
Faculty: Richard B. Gunderman, MD, PhD

Learning Objectives:
1. Enumerate the key missions of an academic radiologist.
2. Describe strategies for performing well in each of these missions.
3. Develop a personal plan to enhance success as an academic radiologist.

6:30–7:30 PM  ARLD Annual Banquet Cocktail Reception
Location: Harborside Ballroom Foyer

7:30–10:00 PM  ARLD Annual Banquet and Awards Ceremony
Location: Harborside Ballroom A–B

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