

AUR 64th Annual Meeting Program

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

S designates a session being offered as a self-assessment module (SAM).

RLD indicates programming of special interest to ARRLD participants.

ARLM indicates qualifying session for the Academy of Radiology Leadership and Management.

Tuesday, March 29, 2016

Tuesday 7:00–8:30 AM

Session No. 101 • Seaport Ballroom A–B Hot Topics

AMA PRA Category 1 Credits™: 1.50

ED **LM** **ARLM**

Deborah L. Reede, MD, Moderator

A. 2015–2016 Annual APDR Survey (7:00–7:20 AM)

Mark R. Robbin, MD

LEARNING OBJECTIVES

1) Identify important issues in residency management and resident education for discussion. 2) Debate and discuss key issues such as the Milestones, Core Exam, program director support, residency structure, noninterpretive skills, and resident recruitment. 3) Discuss how to recommend solutions to improve program management and best practices for resident education to our regulating organizations.

B. Radiology NRMP Match (7:20–7:40 AM)

Anna Rozenshtein, MD

C. Job Market (7:40–7:55 AM)

Edward I. Bluth, MD

LEARNING OBJECTIVES

1) Discuss the projected number of job opportunities for 2015 compared to past year. 2) Describe the type of practices radiologists are working in and the trends over the last 4 years. 3) Identify the types of subspecialists most desired by employers in 2015.

D. Milestones Curriculum for Health Care Economics (7:55–8:05 AM)

Harprit S. Bedi, MD

E. Q&A (8:05–8:30 AM)

Tuesday 7:00–8:30 AM

Session No. 102

ARRLD Program 1 (closed program)

AMA PRA Category 1 Credits™: 1.50

ED **LM** **RLD** **ARLM**

Ruth C. Carlos, MD, MS, Course Director

James V. Rawson, MD, Co-Director

LEARNING OBJECTIVES

1) Describe the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Discuss how to develop approaches for practice improvement.

A. Introduction to Leadership

Tuesday 8:00–8:30 AM

Chief Resident Welcome Session • Seaport Ballroom F–G

Peter S. Liu, MD

Tuesday 8:00–10:00 AM

Session No. 103 • Seaport Ballroom H Scientific and Health Policy Research: Scholar Presentations and Mentoring Program: Part 1 (supported by the American College of Radiology)

AMA PRA Category 1 Credits™: 2.00

ED **HP**

Kevin S. King, MD, Moderator

William F. Auffermann, MD, PhD, Moderator

LEARNING OBJECTIVES

1) Describe scientific and health policy research projects and their implications for radiology practices. 2) Identify opportunities and challenges facing contemporary academic radiology practice and radiology leadership. 3) Discuss evolving paradigms and challenges for radiology in health care in the next decade.

A. Overview and Impact of ACR/AUR Research Scholar Program: 2014–2016 (8:00–8:10 AM)

Rathan M. Subramaniam, MD, PhD, MPH*

B. Keynote Address 1: Imaging and Leadership in the Next Decade (8:10–8:35 AM)

Reed A. Omary, MD, MS

C. Scholar 1 Presentation (8:35–8:45 AM)

Kimberly G. Kallianos, MD

D. Scholar 2 Presentation (8:45–8:55 AM)

Mark A. Sellmyer, MD, PhD

E. Scholar 3 Presentation (8:55–9:05 AM)

Christopher D. Malone, MD

F. Keynote Address 2: Enriching Radiology Research for the Next Decade (9:05–9:30 AM)

King C. Li, MD, MBA

G. Scholar 4 Presentation (9:30–9:40 AM)

Javier Villanueva-Meyer, MD

H. Scholar 5 Presentation (9:40–9:50 AM)

Kazim H. Narsinh, MD

I. Scholar 6 Presentation (9:50–10:00 AM)

Omid Khalilzadeh, MD

* Faculty financial disclosures are located in the Faculty Index.

Tuesday 8:30–9:00 AM**Session No. 105 • Seaport Ballroom F–G
Resident Case Review: Breast Imaging**

AMA PRA Category 1 Credit™: .50

William D. Kerridge, MD, Moderator
Janet E. Bailey, MD**LEARNING OBJECTIVES**

1) Explain the fundamentals of breast imaging via analysis of unknown cases, and classify breast imaging into simple schemes. 2) Describe how to self-assess knowledge of breast imaging. 3) Describe and explain the rationale for the management of breast imaging problems and clinical breast problems.

Tuesday 8:30–10:00 AM**Session No. 104 • Gaslamp A–C
Ethics and Professionalism in Radiology: Online Tutorials**

AMA PRA Category 1 Credits™: 1.50



Annemarie Relyea–Chew, JD, MS

LEARNING OBJECTIVES

1) Identify elements of unprofessional behavior as defined by law. 2) Describe the coexistence of ethical and legal obligations in medicine. 3) Discuss how to integrate online tutorials and interactive scenarios to improve ethical and professional conduct of radiology trainees and faculty. 4) Explain how to integrate tutorials into ACGME Milestones and noninterpretive skills.

A. Medical–Legal Issues

Annemarie Relyea–Chew, JD, MS

B. U.S. Health Care System for International Medical Graduates

Annemarie Relyea–Chew, JD, MS

Tuesday 8:30–10:00 AM**Session No. 106 • Seaport Ballroom A–B
Road Maps to Success**

AMA PRA Category 1 Credits™: 1.50



Mary H. Scanlon, MD, Moderator

LEARNING OBJECTIVES

1) Compare and contrast characteristics of a successful resident from the perspective of three diverse training programs. 2) Identify common attributes of a successful resident across all training programs. 3) Describe how to rate predictors of success. 4) Discuss how to assess whether your residency climate is conducive to success.

A. Milestones Update (8:30–8:45 AM)

Laura Edgar, EdD

LEARNING OBJECTIVES

1) Compare and contrast characteristics of a successful resident from the perspective of three diverse training programs. 2) Identify common attributes of a successful resident across all training programs. 3) Describe how to rate predictors of success. 4) Discuss how to assess whether your residency climate is conducive to success.

B. The Successful Resident: Panel Discussion (8:45–9:15 AM)Richard B. Ruchman, MD
Terry S. Desser, MD
Eric M. Spickler, MD**LEARNING OBJECTIVES**

1) Compare and contrast characteristics of a successful resident from the perspective of three diverse training programs. 2) Identify common attributes of a successful resident across all training programs. 3) Describe how to rate predictors of success. 4) Discuss how to assess whether your residency climate is conducive to success.

C. Academic Remediation: Why Early Identification and Intervention Matters (9:15–9:35 AM)

Carol M. Rumack, MD

LEARNING OBJECTIVES

1) Identify red flags in resident applicants. 2) Explain how to develop a point person to evaluate specific competencies. 3) Describe how to use focused coaching for remediation of resident deficits. 4) Explain how to give early warnings using a specialized learning plan. 4) Identify when to use a written letter of warning. 5) Discuss how to find and focus resources for remediation.

D. Q&A (9:35–10:00 AM)**Tuesday 9:00–10:00 AM****Session No. 108 • Seaport Ballroom F–G
Resident Leadership Skills**

AMA PRA Category 1 Credit™: 1.00

Jeffrey Ware, MD, Moderator
Matthew R. Hammer, MD
Darel E. Heitkamp, MD**Tuesday 10:00–10:30 AM****Break • Seaport Ballroom D–E****Tuesday 10:30–11:00 AM****Session No. 109 • Seaport Ballroom F–G
Resident Case Review: Gastrointestinal Radiology**

AMA PRA Category 1 Credit™: .50

Trent R. James, MD, Moderator
Shane A. Wells, MD**LEARNING OBJECTIVES**

1) Identify and describe imaging features in a set of fundamental unknown hepatic and pancreaticobiliary cases. 2) Discuss how to develop a differential diagnosis and unifying diagnosis based on key imaging findings from unknown hepatic and pancreaticobiliary cases. 3) Describe the anatomy and natural history of fundamental hepatic and pancreaticobiliary disease, and explain patient management.

Tuesday 10:30 AM–12:00 PM**Session No. 110 • Seaport Ballroom A–B
Diversity**

AMA PRA Category 1 Credits™: 1.50



Nolan J. Kagetsu, MD*, Moderator

LEARNING OBJECTIVES

- 1) State the reasons that we should increase diversity within radiology.
- 2) Articulate challenges to achieving diversity, including unconscious bias.
- 3) Briefly describe the goals and the activities of the ACGME-I.
- 4) Articulate strategies to enhance diversity within radiology, including holistic review.
- 5) Discuss how to implement and conduct programs to improve the cultural competence in a radiology practice.

A. Unconscious Bias (10:30–10:50 AM)

Richard B. Gunderman, MD, PhD

B. How to Evaluate Foreign Medical Graduate and DO Residency Applications (10:50–11:05 AM)

Matthew T. Heller, MD*

LEARNING OBJECTIVES

- 1) Identify strategies to enhance the diversity of radiology faculty and trainees.
- 2) Discuss how to develop solutions to build a departmental culture to celebrate diversity in race, gender, and generations in the radiology workforce.
- 3) Describe and discuss the latest innovations in radiology education and education research.
- 4) Discuss how to implement patient-centered radiology concepts and practice.
- 5) Identify collaborative solutions to challenges facing academic radiology.
- 6) Discuss strategies to recruit talented medical students into the radiology discipline.
- 7) Identify changes in clinical radiology practice, education, and research in response to changes in the payment model.
- 8) Describe how to implement and conduct programs to improve the cultural competence in a radiology practice.
- 9) Discuss how to implement social media and technology solutions in your practice, to improve communication and networking.

C. ACGME International: Introduction (11:05–11:10 AM)

Kay H. Vydareny, MD

D. ACGME International Singapore: Program Director's Experience (11:10–11:25 AM)

Daniel Wong, MBBS, FRCR

E. Cultural Competency: Why We Need It—How We Teach It (11:25–11:40 AM)

Ernest Wiggins, MD

F. Q&A (11:40 AM–12:00 PM)**Tuesday 10:30 AM–12:00 PM****Session No. 111 • Gaslamp A–C****Faculty Development: Advanced Teaching Techniques Workshop**

AMA PRA Category 1 Credits™: 1.50

**A. Games**

Timothy P. Kasprzak, MD*

LEARNING OBJECTIVES

- 1) Identify novel gaming techniques for radiology education.
- 2) Review the educational benefits of utilizing games for millennial learners.
- 3) Develop new games for radiology education.

B. Enhancing Your PowerPoint Presentation Skills

Eric J. Stern, MD

Guillermo Elizondo-Riojas, MD, PhD

LEARNING OBJECTIVES

- 1) Identify the features of what makes for a good or bad lecture, including both presentation software techniques and personal delivery skills.
- 2) Describe how

to use your PowerPoint presentation in a more interactive way with your audience. 3) Explain how to apply audience response systems during your presentations. 4) Describe how to incorporate the use of interactive apps within your presentation. 5) Discuss how to apply these insights to your own lectures to better engage and improve your knowledge transfer to learners.

Tuesday 10:30 AM–12:00 PM**Session No. 112 • Seaport Ballroom H****Scientific and Health Policy Research: Scholar Presentations and Mentoring Program: Part 2 (supported by the American College of Radiology)**

AMA PRA Category 1 Credits™: 1.50



Kevin S. King, MD, Moderator

William F. Auffermann, MD, PhD, Moderator

LEARNING OBJECTIVES

- 1) Describe scientific and health policy research projects and their implications for radiology practices.
- 2) Identify opportunities and challenges facing contemporary academic radiology practice and radiology leadership.
- 3) Discuss evolving paradigms and challenges for radiology in health care in the next decade.

A. Keynote Address 3: Enriching Radiology Clinical Practice for the Next Decade (10:30–11:00 AM)

Cheri L. Canon, MD

B. Scholar 7 Presentation (11:00–11:10 AM)

Nima Kokabi, MD, MBBS

C. Scholar 8 Presentation (11:10–11:20 AM)

Eman Alqahtani, MD, MPH

D. Scholar 9 Presentation (11:20–11:30 AM)

Brittany Dashevsky, MD, DPhil

E. Scholar 10 Presentation (11:30–11:40 AM)

Randy C. Miles, MD

F. Panel Discussion (11:40 AM–12:00 PM)**Tuesday 11:00 AM–12:00 PM****Session No. 113 • Seaport Ballroom F–G****ACR Update for Residents**

AMA PRA Category 1 Credit™: 1.00



Brian J. Clark, MD, Moderator

Bibb Allen, Jr, MD

Tuesday 12:00–1:00 PM**Session No. 114 • Seaport Ballroom C****Scientific and Health Policy Research Lunch and Keynote: Health Care and Radiology: Evolving Paradigms for the Next Decade (supported by the American College of Radiology)**

AMA PRA Category 1 Credit™: 1.00



James H. Thrall, MD*

LEARNING OBJECTIVES

- 1) Describe scientific and health policy research projects and their implications for radiology practices.
- 2) Identify opportunities and challenges facing contemporary academic radiology practice and radiology leadership.
- 3) Discuss evolving paradigms and challenges for radiology in health care in the next decade.

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Tuesday 12:00–1:00 PM**ARRALD Program Mentorship Lunch (closed program)****Tuesday 12:00–1:00 PM****AUR New Member Orientation Meeting • La Jolla****Tuesday 12:00–1:15 PM****A³CR² Networking Lunch (A³CR² members only) • Mission Beach****Tuesday 1:00–3:00 PM****Session No. 115 • Seaport Ballroom H
Scientific and Health Policy Research: Part 3 (supported by the American College of Radiology)**

AMA PRA Category 1 Credits™: 2.00

ED HPFalgun H. Chokshi, MD, MS, Moderator
Marta E. Heilbrun, MD, Moderator**LEARNING OBJECTIVES**

1) Describe scientific and health policy research projects and their implications for radiology practices. 2) Identify opportunities and challenges facing contemporary academic radiology practice and radiology leadership. 3) Discuss evolving paradigms and challenges for radiology in health care in the next decade.

A. Leveraging the Report: An Informatics Approach to Patient Follow-up (1:00–1:30 PM)

Tessa S. Cook, MD, PhD

B. Using Informatics Tools to Study Patterns in Radiologist Reporting and Institution–Level Health Outcomes (1:30–2:00 PM)

Hanna M. Zafar, MD

C. Clinical Decision Support for Referrers: Provider-led, Patient-centered, Imaging Utilization Management Tools (2:00–2:30 PM)

Chris L. Siström, MD, MPH*

D. Panel Discussion (2:30–3:00 PM)**Tuesday 1:00–3:30 PM****Session No. 116
ARRALD Program 2 (closed program)**

AMA PRA Category 1 Credits™: 2.50

ED LM RLD ARLM**LEARNING OBJECTIVES**

1) Describe the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Discuss how to develop approaches for practice improvement.

A. Radiologic Professional Organizations: Making Sense of the “Alphabet Soup” (1:00–1:50 PM)

N. Reed Dunnick, MD

LEARNING OBJECTIVES

1) Describe the primary missions of our professional radiology societies. 2) Identify those organizations that are most pertinent to your career goals. 3) Discuss what role you would like to play in helping those societies accomplish their missions.

B. Networking in the Radiology Profession/Community (1:50–2:15 PM)

Ruth C. Carlos, MD, MS

C. Networking Exercise: “Speed Networking” (2:15–3:30 PM)

Ruth C. Carlos, MD, MS

Tuesday 2:00–2:30 PM**Session No. 117 • Seaport Ballroom F–G
Resident Case Review: Cardiac Radiology**

AMA PRA Category 1 Credit™: .50

CA EDWilliam D. Kerridge, MD, Moderator
Saurabh Jha, MBBS***Tuesday 2:00–3:30 PM****Session No. 118 • Seaport Ballroom A–B
Faculty Development: Pathways in Medical Education—Diversify Your Portfolio**

AMA PRA Category 1 Credits™: 1.50

ED LMMahesh M. Thapa, MD, Moderator
Rhonda Osborne, MD, Moderator**A. Development Opportunities for Clinical Educators**

Angelisa M. Paladin, MD

LEARNING OBJECTIVES

1) Articulate opportunities for clinician–educators in local and national forums. 2) Identify organizations beneficial to clinician–educators. 3) Discuss opportunities in education research.

B. RAD–AID Global Health Radiology: Education, Research, and Public Service in International Outreach

Daniel J. Mollura, MD

LEARNING OBJECTIVES

1) Identify how radiology scarcity is measured in resource–limited countries. 2) Increase exposure to methods of how radiology needs are assessed in the developing world at the regional and facility levels. 3) Explain how radiology assessments and outreach program planning can be integrated into educational goals for radiology trainees. 4) Describe how international project sustainability and continuity are linked with educational strategies for radiology trainees via global health radiology service projects.

C. How to Educate Younger People

Maria C. Shiao, MD, MA

LEARNING OBJECTIVES

1) State at least three reasons why there is a need for change in teaching millennial students. 2) Identify at least five elements required for effectively teaching younger people. 3) Describe how to devise a strategy to change/revise your approach to teaching by implementing some of the techniques discussed.

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Tuesday 2:30–3:30 PM**Session No. 119 • Seaport Ballroom F–G
ABR Update for Residents**

AMA PRA Category 1 Credit™: 1.00

Allison M. Johnsen, MD, Moderator
Kay H. Vydareny, MD**LEARNING OBJECTIVES**

1) Identify the study guides available for the ABR Core and Certifying Examinations. 2) Explain the basic requirements to maintain "continuous certification." 3) Describe the opportunities available for volunteers for the ABR.

Tuesday 3:00–4:00 PM**Session No. 120 • Seaport Ballroom H
Chair Roundtable on Issues in Radiology Research**

AMA PRA Category 1 Credit™: 1.00



N. Reed Dunnick, MD, Moderator

PANELN. Reed Dunnick, MD
Ronald L. Arenson, MD
Carolyn C. Meltzer, MD
Steven E. Seltzer, MD***LEARNING OBJECTIVES**

1) Explain the importance of research to advance our field. 2) Describe how research is funded. 3) Identify the many potential sources of research funding.

Tuesday 3:30–4:00 PM**Break • Seaport Ballroom D–E****Tuesday 4:00–4:30 PM****Session No. 122 • Seaport Ballroom F–G
Resident Case Review: Vascular and Interventional Radiology**

AMA PRA Category 1 Credit™: .50

Trent R. James, MD, Moderator
Minhaj S. Khaja, MD, MBA**LEARNING OBJECTIVES**

1) Describe diagnostic and interventional findings related to interesting interventional radiology cases. 2) Identify clinical care issues in the case-based format. 3) Discuss procedural decisions and techniques related to interesting interventional radiology cases. 4) Describe key follow-up necessary in patients after interventional procedures.

Tuesday 4:00–5:00 PM**Session No. 124 • Seaport Ballroom H
Reducing Radiation Doses to Patients by Decreasing Utilization of
Imaging Using Ionizing Radiation**

AMA PRA Category 1 Credit™: 1.00



William F. Auffermann, MD, PhD, Moderator

A. Ionizing Radiation: Scope of Use in Medicine and Implications

Phuong-Anh T. Duong, MD

LEARNING OBJECTIVES

1) Describe utilization trends in medical imaging. 2) Discuss how to use dose monitoring software to reduce excessive radiation dose events. 3) Identify ways to collaborate with referring providers and technologists to reduce radiation dose.

B. Decision Support for Appropriate Utilization

Andrew Lemmon, MD

C. Emerging Uses and Techniques in MR Imaging

Diego R. Martin, MD, PhD

Tuesday 4:00–5:30 PM**Session No. 121 • Gaslamp A–C
Why You Should Use the MIRC® Teaching File System in Your
Residency Program**

AMA PRA Category 1 Credits™: 1.50

William J. Weadock, MD*
Tessa S. Cook, MD, PhD
Krishna Juluru, MD**LEARNING OBJECTIVES**

1) Describe how to use the RSNA Medical Imaging Resource Center (MIRC®) Teaching File System (TFS) program to generate radiology images for use in PowerPoint slides and for other purposes. 2) Explain how to utilize the deidentification functions of the TFS program to remove patient information from images. 3) Describe how to use the TFS program for conferences.

Tuesday 4:00–5:30 PM**Session No. 123 • Seaport Ballroom A–B
Faculty Development: What Ladders Do I Need to Climb, and How
Can I Climb Them?**

AMA PRA Category 1 Credits™: 1.50

Paul P. Cronin, MBBCh, Moderator
Timothy P. Kasprzak, MD*, Moderator**A. So You Want to Be a Section Head?**Eric J. Stern, MD
Theresa C. McLoud, MD**LEARNING OBJECTIVES**

1) Describe the skills and experience necessary to become a successful division chief. 2) Identify the relative roles of clinical operations and participation in divisional scholarly and educational mission and activities, necessary for success in such a position. 3) Discuss the other myriad factors which are essential for success as division chief.

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B. How to Chair a Committee/Take a Meeting

Timothy P. Kasprzak, MD*

LEARNING OBJECTIVES

1) Identify best practices for conducting a meeting. 2) Discuss strategies for staying on task. 3) Review creative approaches to meetings.

C. How to Be a Good Mentor

Mark E. Mullins, MD, PhD

LEARNING OBJECTIVES

1) Describe the characteristics of good mentorship. 2) Identify opportunities to be a mentor. 3) Discuss how to develop an action plan for becoming a better mentor.

Tuesday 4:00–5:30 PM

Session No. 125

ARRALD Program 3 (closed program)

AMA PRA Category 1 Credits™: 1.50

ED **LM** **RLD**

LEARNING OBJECTIVES

1) Describe the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Discuss how to develop approaches for practice improvement.

A. Junior Faculty Panel: Balancing Life and Career in Academic Radiology

Aine M. Kelly, MD, MS, Moderator

Anna Rozenshtein, MD

Priscilla J. Slanetz, MD, MPH

Tuesday 4:00–5:30 PM

APCR Member Meeting 1 • La Jolla

Tuesday 4:30–5:30 PM

Session No. 126 • Seaport Ballroom F–G Idea Forum (A³CR² members only)

AMA PRA Category 1 Credit™: 1.00

ED

Michael T. Perry, MD, Moderator

Laura B. Barnes, MD, Moderator

Darel E. Heitkamp, MD

LEARNING OBJECTIVES

1) Describe experiences and identify mutual challenges among member chief residents representing programs from across the country. 2) Productively identify, exchange, and appraise ideas on a variety of practical, real-world issues affecting diagnostic radiology residency training. 3) Discuss how to develop and disseminate innovative tangible solutions for shared challenges that can be employed at one's home institution.

Tuesday 5:00–5:30 PM

APDR Business Meeting • Seaport Ballroom C

Tuesday 5:30–6:30 PM

A³CR²/APDR/SCARD/APCR Beer and Pretzels Reception (co-sponsored by APDR, RSNA, and SCARD) • Seaport Ballroom Foyer and Terrace

RLD

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Wednesday 7:00–8:15 AM

Session No. 201 • Seaport Ballroom D–E Poster Discussion Session

AMA PRA Category 1 Credits™: 1.25



Wednesday 7:00–8:15 AM

Session No. 202 • Seaport Ballroom A–B Medical Students and the Radiology Residency Match: Current Issues

AMA PRA Category 1 Credits™: 1.25



Carl R. Fuhrman, MD, Moderator

LEARNING OBJECTIVES

1) Identify the factors influencing the selection of radiology as a career by current medical students. 2) Describe the factors related to unfilled radiology residency positions and possible solutions. 3) Explain the single GME accreditation system and how it may impact the radiology residency match. 4) Describe the ACGME–approved internships and how to assure that your matched radiology residents have an ACGME–approved PGY1 year.

A. Why Do or Don't Students Choose Radiology as a Career?

Edward I. Bluth, MD

LEARNING OBJECTIVES

1) Describe the reasons 4th–year medical students choose radiology as a career. 2) Identify the reasons 4th–year medical students do not choose radiology as a career. 3) Discuss changes in recruitment techniques necessary to attract medical students to radiology.

B. Unfilled Slots: Not Enough Qualified Applicants or Problem with the Interview and Selection Process?

Mark E. Mullins, MD, PhD

LEARNING OBJECTIVES

1) Define the recruitment challenge to radiology residencies. 2) Describe and appraise factors that may contribute to this challenge. 3) Discuss how to develop a local strategic plan for improving recruitment.

C. Single GME Accreditation System: How Will It Affect the Radiology Match?

Gautham P. Reddy, MD

D. ACGME–approved Internships: Are There Enough? How to Make Sure Your Matched Applicant Gets One

Keith D. Herr, MD

LEARNING OBJECTIVES

1) Identify and delineate the recent changes in the ACGME eligibility criteria for diagnostic radiology residency as they relate to the clinical (PGY–1) year. 2) Describe the increasing competitiveness of these PGY–1 programs based on presented data from the National Resident Matching Program® (NRMP) and other sources. 3) Identify strategies for optimizing medical student–advisees' likelihood of matching into desired PGY–1 programs.

E. Q&A

Wednesday 7:00–8:15 AM

Session No. 203 • Gaslamp A–C Barriers to Diversity in Leadership

AMA PRA Category 1 Credits™: 1.25



Ruth C. Carlos, MD, MS, Moderator

A. Review of Literature

Karla A. Sepulveda, MD

B. Diversity and Inclusion Lessons from Other Industries

James V. Rawson, MD

LEARNING OBJECTIVES

1) Identify and review lessons learned from other industries on how to increase the diversity of the workforce. 2) Discuss the possibility of translating strategies and tactics from other industries into academic radiology.

C. Tools for Lowering and Removing Barriers

Angelisa M. Paladin, MD

LEARNING OBJECTIVES

1) Articulate strategies to enhance the diversity of radiology trainees and faculty. 2) Identify barriers to the enhancement of the diversity of radiology trainees and faculty. 3) Discuss how to develop solutions to build a departmental culture of diversity.

Wednesday 7:00–8:30 AM

Session No. 204 ARRALD Program 4 (closed program)

AMA PRA Category 1 Credits™: 1.50



LEARNING OBJECTIVES

1) Describe the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Discuss how to develop approaches for practice improvement.

A. Leadership Examples, Theory, and Lessons Learned (7:00–7:45 AM)

Alexander M. Norbash, MD*

LEARNING OBJECTIVES

1) Recognize leadership traits and their potential causes in examples of historical figures. 2) Explain and recognize the benefits of accessing formal leadership literature. 3) Discuss how to transform failed and successful leadership examples into lessons learned.

B. Critical Communication Skills and Conflict Resolution (7:45–8:30 AM)

Jonathan S. Lewin, MD

Wednesday 7:30–8:00 AM

Session No. 205 • Seaport Ballroom F–G Resident Case Review: Thoracic Radiology

AMA PRA Category 1 Credit™: .50



Trent R. James, MD, Moderator

Tan–Lucien H. Mohammed, MD, MS

LEARNING OBJECTIVES

1) Identify a variety of chest diseases on cross-sectional imaging. 2) Describe content related to anatomy, natural history of disease, and patient management. 3) Discuss how to evaluate cases in multiple-choice format.

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Wednesday 8:00–10:00 AM

Session No. 206

AUR Radiology Management Program (closed program) (supported by an unrestricted educational grant from Nuance Communications, Inc.)

AMA PRA Category 1 Credits™: 2.00



LEARNING OBJECTIVES

1) Describe and review, in a case-based mode, current management issues facing academic radiology departments. 2) Discuss how to familiarize prospective academic radiology department leaders with decision making by using mock departmental executive committees. 3) Discuss management problem solving guided by key experts in the field.

A. Welcome and Overview (8:00–8:15 AM)

Pablo R. Ros, MD, MPH*

B. Case 1: Incentive Plan for Academic Clinical Radiologists (8:15–10:00 AM)

Ronald L. Arenson, MD
Pablo R. Ros, MD, MPH*

Wednesday 8:30–10:00 AM

Session No. 207 • Seaport Ballroom A–B

AMSER Lucy Squire and APDR/ACR Keynote Lecture: Differences Matter

AMA PRA Category 1 Credits™: 1.50



Brenda J. Allen, PhD

LEARNING OBJECTIVES

1) Explain why difference matters to academic radiology. 2) Describe salient aspects of difference in academic radiology. 3) Develop strategies for inclusion in academic radiology. 4) Discuss how to apply culturally responsive communication techniques.

Wednesday 8:30–10:00 AM

Session No. 208 • Gaslamp A–C

Radiology Research Alliance: Task Force Presentations

AMA PRA Category 1 Credits™: 1.50



Leon Lenchik, MD, Moderator

LEARNING OBJECTIVES

1) Discuss new models for research mentoring and collaboration. 2) Discuss research trends in quality and safety in radiology. 3) Discuss image data sharing. 4) Discuss virtual journal club and critical reading of literature. 5) Discuss the role of radiology in precision medicine.

A. New Models for Research Mentoring and Collaboration

Myria Petrou, MA, MBBCh*
William F. Auffermann, MD, PhD

LEARNING OBJECTIVES

1) Identify the mentorship needs and goals for radiology trainees and faculty as well as medical students interested in a radiology career. 2) Articulate strategies to enhance the mentorship experience for radiology faculty and trainees. 3) Assess and discuss the challenges encountered in mentoring and being mentored at different states of academic development.

B. Research Trends in Quality and Safety in Radiology

Andrew B. Rosenkrantz, MD
Phuong-Ahn T. Duong, MD

C. Image Data Sharing

Arindam R. Chatterjee, MD

LEARNING OBJECTIVES

1) Articulate the usefulness of robust clinical, research, and educational image sharing platforms. 2) Identify resources for image sharing applications and platforms. 3) Discuss the unique requirements for clinical, educational, and research image sharing platforms to successfully select platforms that meet your particular needs and regulatory requirements for best practice. 4) Discuss how to implement image sharing platforms to improve the efficiency and quality of clinical practice, research efforts, and educational outreach.

D. Virtual Journal Club and Critical Reading of Literature

Alison L. Chetlen, DO*
Stacy E. Smith, MD
Hansel J. Otero, MD
Carol M. Dell, MD
Stephane Desouches, DO
Matthew T. Heller, MD*
Erik M. Velez, BS
Agnieszka O. Solberg, MD*

LEARNING OBJECTIVES

1) Conduct and lead a critical review of medical literature in the setting of a virtual or traditional journal club. 2) Discuss the current applications of virtual journal clubs in medical and graduate medical education and continued lifelong learning. 3) Explain the advantages and disadvantages of virtual journal clubs over traditional venues. 4) Successfully implement and run a virtual journal club.

E. The Role of Radiology in Precision Medicine

Dhakshina M. Ganeshan, MD
Angela A. Giardino, MD
Emilia S. Olson, MD, PhD
Karla A. Sepulveda, MD
Supriya Gupta, MD, MBBS

LEARNING OBJECTIVES

1) Assess and discuss the latest innovations in precision imaging in oncology. 2) Discuss the current and future role of precision imaging in nononcologic disorders. 3) Identify challenges to the practice of precision imaging, and discuss strategies to face these challenges in the era of precision medicine.

Wednesday 10:00–10:30 AM

Break and Poster Viewing • Seaport Ballroom D–E

Wednesday 10:30–11:00 AM

Session No. 209 • Seaport Ballroom F–G Resident Case Review: Nuclear Medicine

AMA PRA Category 1 Credit™: .50



William D. Kerridge, MD, Moderator
David M. Naeger, MD

LEARNING OBJECTIVES

1) Describe common tests used in nuclear medicine. 2) Explain how to interpret nuclear medicine images to diagnose common diseases. 3) Discuss how to devise an appropriate management plan based on findings from diagnostic nuclear medicine studies.

* Faculty financial disclosures are located in the Faculty Index.

Wednesday 10:30 AM–12:00 PM

Session No. 210 • Seaport Ballroom A–B ABR Update

AMA PRA Category 1 Credits™: 1.50



Valerie P. Jackson, MD, Moderator

LEARNING OBJECTIVES

1) Explain ABR's recent and possible future improvements in MOC. 2) Describe the ABR diagnostic radiology certifying examination. 3) Discuss how to appropriately apply the information in the candidate and program director reports for ABR diagnostic radiology examinations.

A. ABR MOC Improvements (10:30–10:50 AM)

Milton J. Guiberteau, MD

B. Initial Certification Improvements (10:50–11:10 AM)

Duane G. Mezwa, MD

C. Examination Reports: What to Expect and What Not to Expect (11:10–11:30 AM)

Valerie P. Jackson, MD

D. Q&A (11:30 AM–12:00 PM)

Wednesday 10:30 AM–12:00 PM

Session No. 211 • Gaslamp A–C Radiology Medical Student Recruitment: Scenarios and Strategies for Success

AMA PRA Category 1 Credits™: 1.50



Christopher M. Straus, MD*, Moderator

A. Exciting Medical Students about the Future of Radiology and Nuclear Medicine

James H. Thrall, MD*

LEARNING OBJECTIVES

1) Describe how to forge strategies to recruit talented medical students into the field of radiology. 2) Discuss the unique aspects of radiology practice that may appeal to future physicians. 3) Discuss how medical imaging is positively impacting the overall practice of medicine and the role prospective radiologists might play.

B. Interventional Radiology (IR) Student Symposia, Social Media, and Online Presence: What Diagnostic Radiology Can Learn from the IR Medical Student Council

Christine E. Ghatan, MD

LEARNING OBJECTIVES

1) Discuss current and evolving medical student recruitment methods. 2) Compare and contrast changes in medical student engagement undertaken by the SIR. 3) Identify unique opportunities available and benefits to radiologists involved with medical student outreach.

C. Recruitment into Nuclear Medicine Programs

Jay A. Harolds, MD

LEARNING OBJECTIVES

1) Discuss the difficulties of recruiting nonradiologists into nuclear medicine residency programs. 2) Describe the different pathways by which one can enter a nuclear medicine residency program. 3) Discuss different types of combined nuclear medicine–radiology residency training programs.

D. Recruitment from the Perspective of a Vice Chair of Education: What Works and What Doesn't?

Lori A. Deitte, MD

LEARNING OBJECTIVES

1) Identify challenges of radiology recruitment, including unconscious bias. 2) Discuss ways for radiologists to actively engage medical students in our discipline. 3) Discuss how to implement strategies to recruit talented medical students to radiology.

E. The Chair's Perspectives on Recruitment and Principles of Marketing

James A. Brink, MD

LEARNING OBJECTIVES

1) Describe various strategies for attracting medical students to consider a career in diagnostic radiology. 2) Identify and review medical student survey data that inform strategies for attracting radiologists to diagnostic radiology. 3) Discuss various tactical approaches for engaging medical students through in-person activities and mentorship opportunities.

Wednesday 10:30 AM–12:00 PM

Session No. 212 • Seaport Ballroom H Generational and Cultural Diversity

AMA PRA Category 1 Credits™: 1.50



Pina C. Sanelli, MD, MPH, Moderator

Puneet Bhargava, MD*, Moderator

LEARNING OBJECTIVES

1) Describe commonly encountered generational differences in approaching medical education and clinical work, as well as strategies for creating a successful multigenerational workplace. 2) Discuss how to apply cultural and socioeconomic sensitivity in teaching efforts and classroom interactions. 3) Explain giving, taking, and matching in academic collaborations.

A. Generational Differences in Education and Clinical Work

Ana P. Lourenco, MD

B. Cultural and Socioeconomic Sensitivity

Gautham P. Reddy, MD

C. Diversity in Collaborative Behaviors: Giving, Taking, and Matching

Puneet Bhargava, MD*

Wednesday 10:30 AM–12:00 PM

Session No. 213 • La Jolla Finance Strategies for Radiology Research

AMA PRA Category 1 Credits™: 1.50



Rathan M. Subramaniam, MD, PhD, MPH*, Moderator

LEARNING OBJECTIVES

1) Describe federal funding opportunities for radiology research. 2) Describe nonfederal funding opportunities for radiology research.

A. Funding for Research: When Is It Needed?

Steven E. Seltzer, MD*

B. Nonfunded Research: Making the Most of Existing Data

Robert F. Mattrey, MD

C. National Institutes of Health Funding

Carolyn C. Meltzer, MD

LEARNING OBJECTIVES

1) Explain the opportunities for funding radiology research through the National Institutes of Health (NIH). 2) Recognize the growth and impact of NIH-funded imaging research. 3) Discuss specific NIH programs for support of developing and established imaging investigators.

* Faculty financial disclosures are located in the Faculty Index.

D. Governmental Non-NIH Funding

Reed A. Omary, MD, MS

LEARNING OBJECTIVES

- 1) State one requirement for Patient-Centered Outcomes Research Institute (PCORI) funding applications that differs from traditional NIH and NSF grants.
- 2) Describe one key difference between NSF and NIH grants.
- 3) Describe the basic application process for U.S. Department of Defense (DOD) awards.

E. Private Foundation Funding

Elizabeth A. Krupinski, PhD

LEARNING OBJECTIVES

- 1) Identify sources for private research funding.
- 2) Describe the nature of these unique applications and review processes.
- 3) Discuss how to develop strategies to enhance relationships with foundations.

Wednesday 10:30 AM–12:00 PM

Session No. 214

ARRALD Program 5 (closed program)

AMA PRA Category 1 Credits™: 1.50



LEARNING OBJECTIVES

- 1) Describe the principles of academic leadership.
- 2) Identify opportunities for practice improvement.
- 3) Discuss how to develop approaches for practice improvement.

A. Leadership during Transition

Alexander M. Norbash, MD*

LEARNING OBJECTIVES

- 1) Recognize the unique challenges leadership transitions pose to a work unit.
- 2) Explain how to identify and create appropriate continuity during leadership transitions.
- 3) Discuss gauging an acceptable rate of cultural change with change in leadership.

Wednesday 10:30 AM–12:00 PM

Session No. 215

AUR Radiology Management Program (closed program) (supported by an unrestricted educational grant from Nuance Communications, Inc.)

AMA PRA Category 1 Credits™: 1.50



LEARNING OBJECTIVES

- 1) Describe and review, in a case-based mode, current management issues facing academic radiology departments.
- 2) Discuss how to familiarize prospective academic radiology department leaders with decision making by using mock departmental executive committees.
- 3) Discuss management problem solving guided by key experts in the field.

A. Case 2: Academic Radiology Expansion into Regional Practice

Jocelyn D. Chertoff, MD, MS

Michael P. Recht, MD

Wednesday 10:30 AM–12:00 PM

AMSCR Program and Business Meeting: Increasing Medical Student Coordinator Collaboration and National Networking—A Dialogue and Panel Discussion for AMSCR Members • Golden Hill

Carol K. Dowdle, BA, Moderator

Bren D. Ahearn, MA

Terri Smith, BSN

Wednesday 11:00 AM–12:00 PM

Session No. 216 • Seaport Ballroom F–G Problem Solving (A³CR² members only)

AMA PRA Category 1 Credit™: 1.00



Kelsey A. Flynt, MD, Moderator

Charles S. Resnik, MD

Peter S. Liu, MD

LEARNING OBJECTIVES

- 1) Describe the results of small-group discussions aimed at solving stated problems.
- 2) Discuss the presentation of small-group solutions to all participants.
- 3) Explain how to formulate an overall problem-solving action plan.

Wednesday 12:00–1:00 PM

AUR Luncheon and Awards Ceremony • Grand Hall A–B



Wednesday 12:00–1:45 PM

APCR Member Lunch • Hillcrest B–D

Wednesday 1:00–1:45 PM

Session No. 217 • Grand Hall A–B

Vydareny Imaging Interpretation Competition 1

AMA PRA Category 1 Credit™: .75



Umesh D. Oza, MD*, Moderator

Kenneth F. Layton, MD

LEARNING OBJECTIVES

- 1) Balance radiologic knowledge with challenging trivia related to Dallas and San Diego.
- 2) Describe a variety of challenging radiologic diagnostic cases.
- 3) Identify key imaging findings associated with each case while developing a short but meaningful list of differential diagnoses.
- 4) Collaborate and discuss with teammates to successfully compete against various academic institutions.

* Faculty financial disclosures are located in the Faculty Index.

Wednesday 1:00–3:30 PM**Session No. 218**

AUR Radiology Management Program (closed program)
(supported by an unrestricted educational grant from Nuance Communications, Inc.)

AMA PRA Category 1 Credits™: 2.50

**LEARNING OBJECTIVES**

1) Describe and review, in a case-based mode, current management issues facing academic radiology departments. 2) Discuss how to familiarize prospective academic radiology department leaders with decision making by using mock departmental executive committees. 3) Discuss management problem solving guided by key experts in the field.

A. Case 3: Outpatient Imaging Center—An Acceptable New Venture for Your Department (1:00–2:30 PM)

Leonard Berlin, MD
Lawrence R. Muroff, MD

B. Case 4: Managing Faculty Conflict of Interest Issues (Part 1) (2:30–3:30 PM)

Steven E. Seltzer, MD*
Andrew R. Menard, MD*

Wednesday 2:00–2:30 PM**Session No. 219 • Seaport Ballroom F–G
Resident Case Review: Neuroradiology**

AMA PRA Category 1 Credit™: .50



Trent R. James, MD, Moderator
Mark E. Mullins, MD, PhD

LEARNING OBJECTIVES

1) Describe interesting cases in neuroradiology. 2) Identify specific diagnoses or differential diagnoses in neuroradiology, when possible. 3) Discuss and recommend appropriate next steps in the workup of suspected disease of the central nervous system.

Wednesday 2:00–3:30 PM**Session No. 220 • Seaport Ballroom A–B
RRC Update**

AMA PRA Category 1 Credits™: 1.50



James C. Anderson, MD, Moderator
Lawrence P. Davis, MD, Moderator

LEARNING OBJECTIVES

1) Identify proposed changes to the radiology program requirements. 2) Describe and assess program readiness for potential program requirement changes. 3) Discuss various training pathways to achieve qualification for ABR IR/DR certification. 4) Discuss the various training pathways and develop strategies for implementation of IR training. 5) Identify common citations and areas of improvement for radiology programs.

Wednesday 2:00–3:30 PM**Session No. 221 • Seaport Ballroom H
Assessment and Evaluation: What It Is and How to Do It**

AMA PRA Category 1 Credits™: 1.50



Sravanthi Reddy, MD, Moderator

A. Lifting the Fog: Making Sense of Assessment Tools

Lonie R. Salkowski, MD

LEARNING OBJECTIVES

1) Compare and distinguish between assessment and evaluation. 2) Describe educational assessment tools and effective assessment strategies. 3) Identify how the appropriate assessment tools can lead to outcome-based education.

B. The Roles of Formative and Summative Assessment

Caroline W. Carrico, MD*

C. Making Evaluations Relevant: Using the Information to Improve Programming and Courses

David M. Naeger, MD

LEARNING OBJECTIVES

1) Describe difficulties encountered in obtaining useful feedback. 2) Explain how to develop techniques to improve the consistency and value of feedback. 3) Discuss how to evaluate when feedback is and is not critical to the development of a program or course.

D. Difficult Conversations: How to Give Effective Feedback to Students, Residents, and Fellows

Claudia F. Kirsch, MD*

E. Peer-to-Peer Evaluation: Giving Feedback to and Receiving Feedback from Your Peers

Priscilla J. Slanetz, MD, MPH

LEARNING OBJECTIVES

1) Describe the role of peer-to-peer evaluation in medical education. 2) Identify best practices for preparing for, performing, and debriefing after peer assessment. 3) Describe limitations of peer-to-peer evaluation and strategies to overcome these limitations.

Wednesday 2:00–3:30 PM**Session No. 222 • Gaslamp A–C
Research Opportunities in Disparities Research**

AMA PRA Category 1 Credits™: 1.50



Stella K. Kang, MD, MSc, Moderator

A. Important Health Care Disparities in Breast Cancer

Christoph I. Lee, MD

LEARNING OBJECTIVES

1) Discuss the evidence that disparities in breast cancer outcomes continue to be an issue even with improved screening and treatment. 2) Articulate how race and ethnicity are associated with worse breast cancer screening adherence. 3) Discuss how race and ethnicity are associated with disparities in access to imaging-based screening.

B. Important Health Care Disparities in Lower Back Pain

Jeffrey G. Jarvik, MD, MPH*

LEARNING OBJECTIVES

1) Discuss the evidence that older adults with low back pain should not undergo earlier imaging than younger adults simply because of their age. 2) Explain how gender and race are associated with the severity of back-related symptoms at the time of presentation for back pain. 3) Discuss how gender and race are associated with the duration of symptoms at the time of presentation for back pain. 4) Describe how race is associated with the likelihood of functional recovery.

* Faculty financial disclosures are located in the Faculty Index.

C. Population Health and Health Care Disparities

Marta E. Heilbrun, MD

LEARNING OBJECTIVES

1) Articulate motivations for including health care disparities as a research and clinical topic for radiologists. 2) Describe categories of health care disparities that impact the potential benefits of medical imaging. 3) List publicly available demographic and health-related data resources that may inform health care disparities research.

Wednesday 2:00–3:30 PM

Session No. 223 • La Jolla How Do We Enhance the Diversity of Radiology? Chairs' Perspectives

AMA PRA Category 1 Credits™: 1.50



Carolyn C. Meltzer, MD, Moderator
Vijay M. Rao, MD, Moderator

LEARNING OBJECTIVES

1) Describe best practices for enhancing the proportion of underrepresented minority and women candidates in the radiology recruitment pool. 2) Recognize how unconscious or implicit bias may contribute to the relative lack of diversity in radiology and to associated advancement barriers. 3) Discuss how radiology leaders may cultivate behaviors, attitudes, and policies to enable a system of professionals to work effectively in cross-cultural situations.

A. Recruiting Diverse Talent

Valerie P. Jackson, MD

LEARNING OBJECTIVES

1) Describe how to enhance your recruitment pool. 2) Discuss how to develop optimal recruiting processes. 3) Describe how to apply effective interviewing techniques.

B. Our Blind Spot

Carolyn C. Meltzer, MD

LEARNING OBJECTIVES

1) Explain the concept of implicit bias and how pervasive attitudes may influence our understanding, actions, and decisions in an unconscious manner. 2) Discuss how the impact of implicit bias may be counter to our belief system. 3) Recognize how implicit bias may contribute to the relative lack of diversity in radiology and to associated advancement barriers. 4) Discuss how implicit bias training can influence the social barriers to recruitment, retention, and promotion of underrepresented ethnic/racial and gender classes in radiology.

C. The Need to Develop Cultural Competence among Radiology Faculty

Eric J. Stern, MD

LEARNING OBJECTIVES

1) Describe how to develop a deeper appreciation for behaviors, attitudes, and policies to enable a system of professionals to work effectively in cross-cultural situations. 2) Discuss how to develop a deeper appreciation for the attributes of and strengths provided by a diverse physician talent pool as it applies to our specialty, the workforce, and patients as we become a more global society.

Wednesday 2:00–3:30 PM

Session No. 224

ARRALD Program 6 (closed program)

AMA PRA Category 1 Credits™: 1.50



LEARNING OBJECTIVES

1) Describe the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Discuss how to develop approaches for practice improvement.

A. Introduction to Process Improvement and Quality (2:00–2:30 PM)

Cindy S. Lee, MD

LEARNING OBJECTIVES

1) Identify strategies to enhance the diversity of radiology faculty and trainees. 2) Discuss how to develop solutions to build a departmental culture to celebrate diversity in race, gender, and generations in the radiology workforce. 3) Describe and discuss the latest innovations in radiology education and education research. 4) Discuss how to implement patient-centered radiology concepts and practice. 5) Identify collaborative solutions to challenges facing academic radiology. 6) Discuss strategies to recruit talented medical students into the radiology discipline. 7) Identify changes in clinical radiology practice, education, and research in response to changes in the payment model. 8) Describe how to implement and conduct programs to improve cultural competence in a radiology practice. 9) Discuss how to implement social media technology solutions in your practice, to improve communication and networking.

B. PB&J: A Process Improvement Case (2:30–3:30 PM)

Ruth C. Carlos, MD, MS
James V. Rawson, MD

Wednesday 2:30–3:30 PM

Session No. 225 • Seaport Ballroom F–G Hot Topics in Resident Education

AMA PRA Category 1 Credits™: 1.50



Karyn A. Ledbetter, MD, Moderator
Saurabh Jha, MBBS*
Richard G. Abramson, MD*

LEARNING OBJECTIVES

1) Identify two ways in which the value concept can be related to radiology. 2) Recognize opportunities for creating value along the radiology value chain. 3) Discuss how value is measured and the implications of value metrics for radiology strategic planning.

Wednesday 3:30–4:00 PM

Break and Poster Viewing • Seaport Ballroom D–E

* Faculty financial disclosures are located in the Faculty Index.

Wednesday 4:00–5:00 PM**Session No. 228**

AUR Radiology Management Program (closed program)
(supported by an unrestricted educational grant from Nuance Communications Inc.)

AMA PRA Category 1 Credits™: 1.00

**LEARNING OBJECTIVES**

1) Describe and review, in a case-based mode, current management issues facing academic radiology departments. 2) Discuss how to familiarize prospective academic radiology department leaders with decision making by using mock departmental executive committees. 3) Discuss management problem solving guided by key experts in the field.

A. Case 4: Managing Faculty Conflict of Interest Issues (Part 2)
(4:00–4:45 PM)

Andrew R. Menard, MD*
Steven E. Seltzer, MD*

B. Discussion (4:45–5:00 PM)

Wednesday 4:00–5:30 PM

Session No. 226 • Seaport Ballroom A–B
Brogdon Panel: Importance of Diversity in the Radiology Workplace—From the Practitioner Viewpoint

AMA PRA Category 1 Credits™: 1.50



Joseph A. Graves, MD, Moderator
Ann T. Packard, MD, Moderator
John M. Knudsen, MD
Lucy Spalluto, MD
M. Victoria Marx, MD

LEARNING OBJECTIVES

1) Discuss solutions to build a departmental culture to celebrate diversity in race, gender, and generations in the radiology workforce. 2) Describe strategies to recruit and maintain a talented and diverse group of radiologists within a department. 3) Discuss how to implement and conduct programs to improve the cultural competence in a radiology practice.

Wednesday 4:00–5:30 PM

Session No. 227 • Seaport Ballroom H
The Future of Nuclear Medicine Training

AMA PRA Category 1 Credits™: 1.50

**LEARNING OBJECTIVES**

1) Discuss the downward trend in the number of nuclear medicine residencies and nuclear medicine residents over the last 10 years. 2) Describe the job prospects for nuclear medicine physicians who are not also radiologists. 3) Discuss the recent ABR–ABNM training proposal and its advantages. 4) Discuss new possibilities for nuclear medicine training, including the views of the ABR, ABNM, Radiology and Nuclear Medicine RRCs, ACR, and ACNM.

A. Introduction and Background (4:00–4:08 PM)

Jay A. Harolds, MD

B. Viewpoint of the American Board of Radiology (4:08–4:20 PM)

Milton J. Guiberteau, MD

C. Viewpoint of the American Board of Nuclear Medicine (4:20–4:32 PM)

Louise J. Thomson, MBChB

D. Viewpoint of the Radiology Residency Review Committee (4:32–4:44 PM)

James C. Anderson, MD

E. Viewpoint of the Nuclear Medicine Residency Review Committee (4:44–4:56 PM)

Jon A. Baldwin, DO

F. Viewpoint of the American College of Radiology (4:56–5:08 PM)

Bibb Allen, Jr, MD

G. Viewpoint of the American College of Nuclear Medicine (5:08–5:20 PM)

Patrick M. Colletti, MD

H. Q&A (5:20–5:30 PM)

Wednesday 5:00–5:30 PM

RAHSR Business Meeting • Torrey Hills

Wednesday 5:30–6:00 PM

A³CR² Business Meeting and Elections • Seaport Ballroom F–G

Wednesday 6:30–8:30 PM

AUR Welcome Reception • Inspiration Hornblower Yacht



* Faculty financial disclosures are located in the Faculty Index.

Thursday 7:00–7:30 AM

Session No. 302 • Seaport Ballroom F–G Resident Case Review: Pediatric Radiology

AMA PRA Category 1 Credit™: .50



William D. Kerridge, MD, Moderator
Ramesh S. Iyer, MD

LEARNING OBJECTIVES

- 1) List three sonographic or radiographic features of developmental hip dysplasia.
- 2) Explain how to generate differential considerations for neonatal failure to pass meconium based on the presence or absence of microcolon.
- 3) Describe the typical sonographic appearance of intussusception, and discuss its management.

Thursday 7:00–8:15 AM

Session No. 301 • Seaport Ballroom D–E Poster Discussion Session

AMA PRA Category 1 Credits™: 1.25



Thursday 7:00–8:15 AM

Session No. 303 • Seaport Ballroom A–B Program Oversight and Evaluation

AMA PRA Category 1 Credits™: 1.25



Priscilla J. Slanetz, MD, MPH, Moderator
Kedar Jambhekar, MD, Moderator

A. Self-Study: Large- and Small-Program Perspectives

Jessica B. Robbins, MD
David S. Sarkany, MD

LEARNING OBJECTIVES

- 1) Discuss the purpose of the ACGME Program Self-Study.
- 2) Describe the components of the ACGME Program Self-Study.
- 3) Describe residency program strategies for a successful self-study.
- 4) Recognize the perspectives of both large and small residency programs as they prepare for a self-study.

B. Milestones: Practical Examples—Practice Quality Improvement and Health Care Economics or Professionalism Assessment

Rebecca Leddy, MD
Kristen L. Baugnon, MD

LEARNING OBJECTIVES

- 1) Identify the imperative and limitations regarding education and assessment of the health care economics milestone in its current state.
- 2) Articulate strategies and resources to meet the growing demand for health policy and economics education in radiology residencies.
- 3) Describe how to implement a business of medicine curriculum at your institution.
- 4) Discuss barriers to resident participation in quality improvement and ways to incentivize and motivate resident involvement in quality improvement.
- 5) Discuss how to develop methods of assessment for residents at your institution regarding the System-based Practice 1 Quality Improvement milestone.
- 6) Discuss how to implement a resident quality improvement program at your institution.

C. Entrustable Professional Activities: Practical Examples

Lori A. Deitte, MD

LEARNING OBJECTIVES

- 1) Identify examples of entrustable professional activities in radiology.
- 2) Discuss how entrustable professional activities relate to the ACGME Milestones.
- 3) Describe ways to assess trainee progress with entrustable professional activities.

Thursday 7:00–8:15 AM

Session No. 304 • Seaport Ballroom H ACGME Update for Program Coordinators

AMA PRA Category 1 Credits™: 1.25



Marleen L. Viola, Moderator
Felicia Davis

LEARNING OBJECTIVES

- 1) Provide updates from ACGME and the Review Committee for Radiology.
- 2) Identify the most common issues raised of programs in the Next Accreditation System (NAS).

Thursday 7:00–8:15 AM

Session No. 305 • Gaslamp A–C GERRAF Research in Progress: Session 1

AMA PRA Category 1 Credits™: 1.25



2016 Junior Fellow Presentation

Thursday 7:00–8:15 AM

AMSER Members and Business Meeting • La Jolla

Thursday 7:30–8:15 AM

Session No. 306 • Seaport Ballroom F–G Job Strategies for Residents

AMA PRA Category 1 Credit™: .75



Nik Kolicaj, MD, Moderator
Peter S. Liu, MD
Todd Mulderink, MD

LEARNING OBJECTIVES

- 1) Describe current issues facing radiology residents and fellows approaching a new job search.
- 2) Describe potential options for future career trajectories.
- 3) Identify critical variables involved in radiology job search from a trainee perspective.

Thursday 8:30–9:30 AM

RRA Business Meeting • Golden Hill

Thursday 8:30–10:00 AM

Session No. 307 • Seaport Ballroom F–G Problem Solving for Residents, Program Directors, Coordinators, and Chairs

AMA PRA Category 1 Credits™: 1.50



Kelsey A. Flynt, MD, Moderator
Charles S. Resnik, MD

LEARNING OBJECTIVES

- 1) Describe the results of the chief residents' problem-solving sessions.
- 2) Discuss in small-groups solutions aimed at solving stated problems.
- 3) Explain small-group solutions to all participants. 4) Discuss how to formulate an overall problem-solving action plan.

Thursday 8:30–10:00 AM

Session No. 308 • Seaport Ballroom H The Art and Science of Item Writing

AMA PRA Category 1 Credits™: 2.00



Petra J. Lewis, MBBS*, Moderator
Petra J. Lewis, MBBS*
Nancy J. McNulty, MD*

LEARNING OBJECTIVES

- 1) Describe how a multiple-choice question should be structured. 2) Identify and analyze common errors in multiple-choice questions. 3) Discuss how to develop high-quality question items.

Thursday 8:30–10:00 AM

Session No. 309 • Gaslamp A–C GERRAF Research in Progress: Session 2

AMA PRA Category 1 Credits™: 1.50

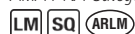


2016 Junior Fellow Presentation

Thursday 8:30–10:00 AM

Session No. 310 AUR Radiology Management Program (closed program) (supported by an unrestricted educational grant from Nuance Communications, Inc.)

AMA PRA Category 1 Credits™: 1.50



LEARNING OBJECTIVES

- 1) Describe and review, in a case-based mode, current management issues facing academic radiology departments. 2) Discuss how to familiarize prospective academic radiology department leaders with decision making by using mock departmental executive committees. 3) Discuss management problem solving guided by key experts in the field.

A. Case 5: Practice Quality Improvement—Challenges and Opportunities

Aine M. Kelly, MD, MS
Paul P. Cronin, MBBCh

Thursday 10:00–10:30 AM

Break and Poster Viewing • Seaport Ballroom D–E

Thursday 10:30 AM–12:00 PM

Session No. 311 • Seaport Ballroom A–B AUR Plenary Session

AMA PRA Category 1 Credits™: 1.50



Yoshimi Anzai, MD, MPH, Moderator

A. Diversity 3.0: From Fairness to Excellence

Marc Nivet, EdD, MBA

LEARNING OBJECTIVES

- 1) Compare and differentiate between diversity and inclusion, and explain how these concepts are interdependent. 2) Explain how diversity and inclusion are drivers of organizational excellence. 3) Describe how to align diversity and inclusion goals to their wider organizational mission. 4) Discuss how to apply resources and strategies to advance diversity and inclusion goals and objectives.

B. Women in Leadership: Why So Few?

Christina M. Surawicz, MD

LEARNING OBJECTIVES

- 1) Identify factors that limit advancement of women in academic medicine. 2) Explain the concept of unconscious bias. 3) Identify characteristics of leadership that lead to academic success.

Thursday 10:30 AM–12:00 PM

Session No. 312 AUR Radiology Management Program (closed program) (supported by an unrestricted educational grant from Nuance Communications, Inc.)

AMA PRA Category 1 Credits™: 1.50



LEARNING OBJECTIVES

- 1) Describe and review, in a case-based mode, current management issues facing academic radiology departments. 2) Discuss how to familiarize prospective academic radiology department leaders with decision making by using mock departmental executive committees. 3) Discuss management problem solving guided by key experts in the field.

A. Case 6: Implementing a Cost-effective and Sustainable Internal Off-hours Attending Call System

Eric J. Feldman, MD
Matthew A. Barish, MD*

Thursday 10:30 AM–12:00 PM

APCR Member Meeting 2 • Seaport Ballroom H

* Faculty financial disclosures are located in the Faculty Index.

Thursday 12:00–1:00 PM

Luncheon and AUR Business Meeting • Grand Hall A–B



Thursday 12:00–1:45 PM

APCR Member Lunch • Hillcrest B–D

Thursday 1:00–1:45 PM

Session No. 313 • Grand Hall A–B Vydareny Imaging Interpretation Competition 2

AMA PRA Category 1 Credit™: .75



Umesh D. Oza, MD*, Moderator
Michael C. Morriss, MD

LEARNING OBJECTIVES

1) Discuss how to assess challenging imaging studies to identify key features leading to development of a focused differential diagnosis. 2) Describe how to develop decision-making skills in the process of identifying the single most likely diagnosis from the differential list. 3) Identify relevant information from multiple imaging modalities, and synthesize that information leading to a correct diagnosis. 4) Describe how to develop team collaboration skills in the assessment of imaging studies. 5) Discuss how to demonstrate a depth of knowledge in identifying key imaging features in a broad spectrum of challenging cases.

Thursday 1:00–3:30 PM

Session No. 314 AUR Radiology Management Program (closed program) (supported by an unrestricted educational grant from Nuance Communications, Inc.)

AMA PRA Category 1 Credits™: 2.50



LEARNING OBJECTIVES

1) Describe and review, in a case-based mode, current management issues facing academic radiology departments. 2) Discuss how to familiarize prospective academic radiology department leaders with decision making by using mock departmental executive committees. 3) Discuss management problem solving guided by key experts in the field.

A. Keynote Speaker: The Multiplier Effect of Leadership (1:00–1:45 PM)

James V. Rawson, MD

LEARNING OBJECTIVES

1) Describe how to enable leaders to develop other leaders. 2) Discuss how to use organizing as a way of sharing leadership. 3) Discuss how to increase impact by collaborating.

B. Case 7: Negotiation Skills—The Case of Financial Negotiation for Equipment Purchases (1:45–3:30 PM)

Dieter R. Enzmann, MD
Paul Tuma*

Thursday 2:00–3:30 PM

AUR Scientific Sessions

SS01: Education of Residents
Room: Seaport Ballroom A–B
(See pages 63–65.)

SS02: Education of Medical Students
Room: Seaport Ballroom F–G
(See pages 66–68.)

SS03: Health Services Research; Informatics; Musculoskeletal
Room: Old Town
(See pages 69–72.)

SS04: Women's Imaging; Neuroradiology
Room: Seaport Ballroom H
(See pages 73–75.)

SS05: Abdominal; Interventional; Education
Room: Gaslamp A–C
(See pages 76–78.)

SS06: RAHSR Session
Room: La Jolla
(See pages 79–82.)

Thursday 3:30–4:00 PM

Break and Poster Viewing • Seaport Ballroom D–E

Thursday 4:00–4:30 PM

Session No. 315 • Seaport Ballroom F–G Resident Case Review: Genitourinary Radiology

AMA PRA Category 1 Credit™: .50



Trent R. James, MD, Moderator
Katherine E. Maturen, MD*

LEARNING OBJECTIVES

1) Explain how to diagnose traumatic injuries to the kidneys and bladder. 2) Describe important management considerations in genitourinary infection. 3) Identify key findings in renal mass evaluation. 4) Explain how to distinguish among various adrenal neoplasms. 5) Discuss how to stratify adnexal cysts in accordance with current guidelines.

* Faculty financial disclosures are located in the Faculty Index.

Thursday 4:00–5:30 PM

Session No. 316 • Seaport Ballroom A–B Transitions in Health Care Delivery: Impact on Resident Education

AMA PRA Category 1 Credits™: 1.50



Jocelyn D. Chertoff, MD, MS, Moderator

LEARNING OBJECTIVES

- 1) Discuss the effects of merging hospital cultures on resident teaching.
- 2) Describe approaches to providing 24/7 in-house coverage without compromising resident learning.
- 3) Discuss how to design a process to use teleradiology to improve resident experience.

A. Hospital Mergers

Jason J. Naidich, MD, MBA

LEARNING OBJECTIVES

- 1) Describe changes in resident education as a consequence of hospital mergers.
- 2) Discuss how to develop educational programs that enable residents to benefit from hospital consolidation.
- 3) Articulate potential pitfalls of expansion.

B. 24-Hour In-house Coverage

John J. Cronan, MD

C. Teleradiology

William G. Bradley, Jr, MD, PhD*

LEARNING OBJECTIVES

- 1) Describe the CMS and other restrictions relating to offshore teleradiology.
- 2) Identify the advantages and potential disadvantages of nighttime teleradiology.
- 3) Describe the advantages of subspecialty teleradiology.
- 4) Discuss the risks of working with teleradiology companies versus in-sourcing teleradiology.

D. Q&A

Thursday 4:00–5:30 PM

Session No. 317 • Seaport Ballroom H Lessons Learned from the Self-study Process: Pearls and Pitfalls

AMA PRA Category 1 Credits™: 1.25



Joseph Stuckelman, BA*, Moderator

Sylvia E. Zavatchen, BA*

LEARNING OBJECTIVES

- 1) Explain how to develop a program-specific timeline to conduct a successful self-study.
- 2) Describe how to develop a strategy to form an effective self-study group and gather data.
- 3) Explain how a SWOT (strengths, weaknesses, opportunities, threats) analysis and the six competencies can factor into the self-study.
- 4) Discuss how to write a self-study document with the update in mind.

Thursday 4:00–5:30 PM

Session No. 318 • La Jolla Educational Scholarship and Support

AMA PRA Category 1 Credits™: 1.50



Emily M. Webb, MD, Moderator

A. Networking

Ruth C. Carlos, MD, MS

LEARNING OBJECTIVES

- 1) Identify and review strategies for networking.
- 2) Describe the use of social media for networking.

B. Identifying Opportunities for Educational Scholarship: Traditional and Nontraditional Venues for Sharing Educational Material

Kristopher Lewis, MD

LEARNING OBJECTIVES

- 1) Recognize differences in nontraditional venues for sharing educational material compared with the more-familiar traditional venues.
- 2) Identify several specific nontraditional venues for sharing that may be appropriate for a particular topic.
- 3) Recognize advantages to some nontraditional venues that may enable improved comprehension of material in general and may better facilitate retention with certain types of diverse learning styles.

C. Using Technology to Maximize Organization and Productivity

Puneet Bhargava, MD*

LEARNING OBJECTIVES

- 1) Explain the concept of “getting things done.”
- 2) Describe how to get to inbox zero.
- 3) Discuss how to use Evernote.

D. Peer Support: Writing Groups

Christopher M. Straus, MD*

LEARNING OBJECTIVES

- 1) Identify advantages and value in participating in a group of authors on a peer-reviewed publication.
- 2) Describe methodologies that promote educational advancement and enhance adoption.
- 3) Discuss strategies to recruiting and developing multisite research-based educational projects.

E. Educational Portfolio and Your Curriculum Vitae: Getting Credit for What You Have Done

Eve D. Clark, MD

Thursday 4:00–5:30 PM

Session No. 319 • Gaslamp A–C Can Radiologists Do Health Care Disparities Research?

AMA PRA Category 1 Credits™: 1.50



Tessa S. Cook, MD, PhD, Moderator

A. Does Your Paper Have a Table 1? Demographics and Population in the Literature

James V. Rawson, MD

LEARNING OBJECTIVES

- 1) Discuss the role of Table 1 in research papers.
- 2) Review characteristics of populations and subpopulations.
- 3) Review potential health disparity opportunities in radiology research.

B. Can You Do Health Disparities Research with Publicly Available Data Sets?

Danny Hughes, PhD

LEARNING OBJECTIVES

- 1) Describe how to locate public data sets that can be used for health disparities research.
- 2) Identify which variables in these data sets pertain to medical imaging and which variables can be used for conducting disparities research.
- 3) Discuss how to develop study designs for descriptive statistics of health disparities in medical imaging.

C. Cancer Outcomes and Health Disparities

Pari Pandharipande, MD, MPH

LEARNING OBJECTIVES

- 1) Identify key areas of cancer outcome disparities in the United States.
- 2) Describe those in which imaging may have a role.
- 3) Discuss how the radiology community can—and should—contribute toward addressing cancer outcome disparities.

* Faculty financial disclosures are located in the Faculty Index.

Thursday 4:00–6:15 PM

Session No. 320

**AUR Radiology Management Program (closed program)
(supported by an unrestricted educational grant from Nuance
Communications, Inc.)**

AMA PRA Category 1 Credits™: 2.25



LEARNING OBJECTIVES

1) Describe and review, in a case-based mode, current management issues facing academic radiology departments. 2) Discuss how to familiarize prospective academic radiology department leaders with decision making by using mock departmental executive committees. 3) Discuss management problem solving guided by key experts in the field.

A. Case 8: Academic Missions in Academic Radiology (4:00–5:45 PM)

Richard B. Gunderman, MD, PhD

B. Closing Remarks (5:45–6:00 PM)

C. Program Recognition (6:00–6:15 PM)

Thursday 4:30–5:30 PM

Session No. 321 • Seaport Ballroom F–G Chief Resident Career Panel

AMA PRA Category 1 Credit™: 1.00



David P. Johnson, MD, Moderator
Jennifer R. Kohr, MD
Shane A. Wells, MD
Tan-Lucien H. Mohammed, MD, MS
Ramesh S. Iyer, MD
Todd Mulderink, MD

LEARNING OBJECTIVES

1) Describe different types of radiology practices, including private, hybrid, and academic practice types. 2) Compare how different practices operate with regard to clinical, teaching, and research demands. 3) Discuss training schemes for noninterpretive skills that may be useful adjuncts for various practices. 4) Explain market trends for radiology trainee hiring in several practice locations.

Thursday 4:30–6:00 PM

Session No. 322

ARRALD Program 7 (closed program)

AMA PRA Category 1 Credits™: 1.50



LEARNING OBJECTIVES

1) Describe the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Discuss how to develop approaches for practice improvement.

A. Practice Improvement Workshop

Ruth C. Carlos, MD, MS
James V. Rawson, MD

Thursday 5:30–5:45 PM

ACER Business Meeting • Grand Hall A

Thursday 5:45–7:00 PM

AMSER/ACER Reception and Open House • Grand Hall A

* Faculty financial disclosures are located in the Faculty Index.

Friday, April 1, 2016

Friday 7:00–8:30 AM

**Session No. 401 • Seaport Ballroom H
ERAS® Update**

AMA PRA Category 1 Credits™: 1.50

OT

Sally A. Jones, BA, Moderator
Dukhbhanjan Sujlana**LEARNING OBJECTIVES**

1) Describe challenges that impact user accessibility. 2) Identify and highlight policies/procedures that may impact the interaction people have with the Program Director's Workstation (PDWS) software. 3) Discuss and review tips and tricks to using features in the PDWS, and also highlight new functionality for ERAS® 2016.

Friday 7:15–10:00 AM

**Session No. 403
AUR Academic Faculty Development Program (closed program)
(supported by the American Roetgen Ray Society)**

AMA PRA Category 1 Credits™: 2.75

ED LM PR

LEARNING OBJECTIVES

1) Enumerate the key missions of an academic radiologist. 2) Describe strategies for performing well in each of these missions. 3) Discuss how to develop a personal plan to enhance excellence as an academic radiologist.

A. Welcome (7:15–7:30 AM)

Richard B. Gunderman, MD, PhD

**B. Education in Radiology: Seven Habits for Excellence
(7:30–8:00 AM)**

Brandon P. Brown, MD, MA

C. Excelling at Research (8:00–8:30 AM)

King C. Li, MD, MBA

D. Ethics and Publishing (8:30–9:00 AM)

Johan G. Blickman, MD, PhD

**E. Chair Roundtable: How a Chair Can Help Your Career
(9:00–10:00 AM)**

N. Reed Dunnick, MD, Moderator

Cheri L. Canon, MD

Gerald D. Dodd III, MD*

Michael P. Recht, MD

LEARNING OBJECTIVES

1) Recognize that your chair wants you to be a happy and productive faculty member. 2) Describe the criteria for promotion in the faculty track at your institution. 3) Discuss how to develop a plan to meet your career goals.

Friday 8:30–10:00 AM

**Session No. 404 • La Jolla
Research Techniques for Health Care Disparities**

AMA PRA Category 1 Credits™: 1.50

ED RS S

William F. Auffermann, MD, PhD, Moderator

Stella K. Kang, MD, MSc, Moderator

LEARNING OBJECTIVES

1) Recognize the potential complexity and nuances of survey item creation. 2) Identify potential pitfalls in survey research across cultural contexts. 3) Describe online and institutional resources for culturally competent research practice.

A. Introduction to Health Disparities Research

Paul P. Cronin, MBChB

**B. Enrollment and Engagement of Underrepresented Minorities in
Clinical Trials**

Mitchell D. Schnall, MD, PhD

C. Survey Design and Cultural Competency

Katherine E. Maturen, MD*

LEARNING OBJECTIVES

1) Recognize the potential complexity and nuances of survey item creation. 2) Identify potential pitfalls in survey research across cultural contexts. 3) Describe online and institutional resources for culturally competent research practice.

**D. Funding Mechanisms for Research on Historically
Underrepresented Populations**

Brian W. Bresnahan, PhD*

LEARNING OBJECTIVES

1) Identify and evaluate public, private, and foundation grant support opportunities related to vulnerable and underrepresented populations. 2) Define and discuss concepts related to developing a research strategy to study underrepresented and/or vulnerable populations. 3) Identify specific challenges and opportunities associated with conducting research in vulnerable populations and relevant funding mechanisms, including working collaboratively with multidisciplinary colleagues and groups supporting or representing vulnerable underrepresented populations.

* Faculty financial disclosures are located in the Faculty Index.

Friday 8:30–10:00 AM**Session No. 405 • Gaslamp A–C****A Challenge for Radiology Leadership: A More Diverse Field by 2020**

AMA PRA Category 1 Credits™: 1.50



Carolyn C. Meltzer, MD, Moderator

LEARNING OBJECTIVES

1) Describe the current state of the field of radiology's continued limited representation of underrepresented minority and women faculty and trainees. 2) Identify barriers to field entrance and promotion. 3) Evaluate the potential for targeted academic programs to lead to positive change in radiology's diversity challenges.

A. Stark Reality of Current State

Cheri L. Canon, MD

LEARNING OBJECTIVES

1) List the key AAMC diversity data specific to radiology. 2) Compare gender differences across the specialties. 3) Discuss changes from historical data.

B. Pilot Programs

Jonathan S. Lewin, MD
Alexander M. Norbash, MD★
Reed A. Omary, MD, MS

LEARNING OBJECTIVES

1) Recognize the need for diversity and inclusion in a departmental strategic plan B. 2) Explain constituent steps and approaches to implementing a diversity plan. 3) Discuss approaches to dynamic and reparative implementation of diversity plans. 4) Explain models for departmental diversity program structure. 5) Discuss how to apply innovative events to promote recognition of diversity and inclusion. 6) Describe and analyze the effectiveness of diversity and inclusion program impact at their institutions as reflected through engagement surveys.

C. Discussion/Panel: Action Plan**Friday 8:30–10:00 AM****Session No. 406****ARRALD Program 8 (closed program)**

AMA PRA Category 1 Credits™: 1.50

**LEARNING OBJECTIVES**

1) Describe the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Discuss how to develop approaches for practice improvement.

A. Leadership: Putting It All Together

Ruth C. Carlos, MD, MS
James V. Rawson, MD

Friday 9:00–10:00 AM**Session No. 407 • Seaport Ballroom H****AUR Research and Education Foundation Grant Session**

AMA PRA Category 1 Credit™: 1.00



Kimberly E. Applegate, MD, MS, Moderator
Pina C. Sanelli, MD, MPH, Moderator

LEARNING OBJECTIVES

1) Identify the new AUR strategic plan and the mission of the AUR Research and Education Foundation (REF) that is the basis for funding projects and grants and organization. 2) Explain where to find information for applications for each of the current funding opportunities within the AUR. 3) Assess and discuss the latest grants developed by the AUR REF Board.

A. Vignettes in Publication and Journalism Ethics in Radiology (9:00–9:30 AM)

Andrew B. Rosenkrantz, MD

LEARNING OBJECTIVES

1) Identify key issues relevant to publication and journalism ethics in radiology. 2) Explain the importance of publication ethics in maintaining the integrity of the biomedical literature. 3) Describe the proper handling of the more commonly encountered issues in publication ethics.

B. Professionalism and Ethics Competencies for Radiology Residents (9:30–10:00 AM)

Pedro J. Diaz-Marchan, MD

Friday 9:00–10:00 AM**Session No. 408 • Seaport Ballroom F–G
Practical Tips for Resident Leaders**

AMA PRA Category 1 Credit™: 1.00



Shane A. Wells, MD
Frances Perez, MD
Robert A. Mackey, MD, MBA

LEARNING OBJECTIVES

1) Explain the anatomy of a leader. 2) Describe who's leading whom. 3) Discuss the concept of "the team, the team, the team."

Friday 10:00–10:30 AM**Break • Seaport Ballroom D–E****Friday 10:30–11:00 AM****Session No. 409 • Seaport Ballroom F–G
Resident Case Review: Musculoskeletal Radiology**

AMA PRA Category 1 Credit™: .50



William D. Kerridge, MD, Moderator
Charles S. Resnik, MD

LEARNING OBJECTIVE

1) Discuss the imaging diagnosis of various musculoskeletal disorders.

★ Faculty financial disclosures are located in the Faculty Index.

Friday 10:30 AM–12:00 PM

**Session No. 410 • Seaport Ballroom A–B
Physician Well-being**

AMA PRA Category 1 Credits™: 1.50



Donald J. Flemming, MD*, Moderator

LEARNING OBJECTIVES

1) Describe the causes, signs, and prevalence of burnout. 2) Describe the impact of physician well-being on an individual, group, or institution. 3) Discuss the effect of physician burnout on patient safety and patient satisfaction. 4) Discuss possible interventions to enhance physician well-being resilience.

A. Resident Well-being: A Resident's Perspective (10:30–10:45 AM)

Travis E. Meyer, MD

LEARNING OBJECTIVES

1) Describe what resident wellness includes and its contribution to a successful program. 2) Identify at-risk residents and different strategies to reach out to those individuals. 3) Discuss how to implement both faculty- and resident-initiated improvements to your wellness program.

B. Impaired Physician (10:45–11:00 AM)

David M. Melville, MD

LEARNING OBJECTIVES

1) Compare different forms of impairment in physician colleagues. 2) Identify warning signs consistent with impairment, and refer peers and colleagues to appropriate resources for assistance with potential issues. 3) Recognize the importance of physician self-care, and discuss how to develop an individual wellness plan.

C. Program Director Burnout: What Chairs and Faculty Need to Know (11:00–11:45 AM)

Judith K. Amorosa, MD

Christopher P. Ho, MD

Sylvia E. Zavatchen, BA*

LEARNING OBJECTIVES

1) Explain the need to allocate adequate faculty-people power resources, time, commitment etc, or deal with a revolving door, that is, a new PD every couple of years, if you are a chair. 2) Describe how to assess if you have the background, temperament, people skills, technological skills, interest, and passion to be a PD if you are faculty. 3) Discuss how to require skills necessary for most efficient running of the residency from their program coordinator, if you are faculty. 4) Describe how to negotiate with the chair regarding resources, time, personnel support, independence to make decisions, innovations, support for faculty participation, obtaining academic RVUs (education review and review evaluating residents), etc, if you are faculty and chair. 5) Discuss how to volunteer to be PD or resign from being PD or get ulcers from being a PD, if you are faculty.

D. Q&A (11:45 AM–12:00 PM)

Friday 10:30 AM–12:00 PM

**Session No. 411 • Torrey Hills
Interactive Use of Teaching Technology: iTunes U (Hands-on
Workshop) (preregistration required)**

AMA PRA Category 1 Credits™: 1.50



Nicole Restauri, MD, Moderator

Kimi L. Kondo, DO*

Lina Lander*

LEARNING OBJECTIVES

1) Explain how to establish an Apple account. 2) Describe how to create a course in iTunes U. 3) Discuss how to develop a course syllabus. 4) Describe how to integrate digital content into course materials. 5) Explain how to generate assignments in iTunes U.

Friday 10:30 AM–12:00 PM

**Session No. 412 • La Jolla
GERRAF Session 3: Collaboration in Health Services Research
Training and Mentoring**

AMA PRA Category 1 Credits™: 1.50

**A. Introduction**

Michael P. Recht, MD

Ruth C. Carlos, MD, MS

B. Year-long Program

Stella K. Kang, MD, MSc

Pina C. Sanelli, MD, MPH

C. AIRP Program

Pari Pandharipande, MD, MPH

Christoph I. Lee, MD

D. On-line Program

James V. Rawson, MD

Friday 10:30 AM–12:00 PM

**Session No. 413 • Gaslamp A–C
IR/DR Residency: Planning and Implementation**

AMA PRA Category 1 Credits™: 1.50



Matthew A. Mauro, MD*, Moderator

LEARNING OBJECTIVES

1) Explain the rationale for the creation of the new IR residency. 2) Describe the fundamental structure of the new IR residency. 3) Discuss and estimate the impact of the new IR residency on the existing DR residency.

A. Introduction (10:30–10:35 AM)

Matthew A. Mauro, MD*

B. RRC Perspective (10:35–10:50 AM)

James C. Anderson, MD

C. DR Perspective (10:50–11:05 AM)

Janet E. Bailey, MD

D. IR Perspective (11:05–11:20 AM)

Saher S. Sabri, MD

E. Panel Discussion (11:20 AM–12:00 PM)

James C. Anderson, MD

Janet E. Bailey, MD

James B. Spies, MD, MPH*

Saher S. Sabri, MD

* Faculty financial disclosures are located in the Faculty Index.

Friday 10:30 AM–12:00 PM

Session No. 414

AUR Academic Faculty Development Program (closed program)
(supported by the American Roentgen Ray Society)

AMA PRA Category 1 Credits™: 1.50



Richard B. Gunderman, MD, PhD, Moderator
Rathan M. Subramaniam, MD, PhD, MPH*, Moderator
Johan G. Blickman, MD, PhD, Moderator
Stanley Baum, MD, Moderator
Felix S. Chew, MD, MBA, Moderator

LEARNING OBJECTIVES

1) Enumerate the key missions of an academic radiologist. 2) Describe strategies for performing well in each of these missions. 3) Discuss how to develop a personal plan to enhance excellence as an academic radiologist.

A. Break-out Session 1 (10:30–11:15 AM)

B. Break-out Session 2 (11:15 AM–12:00 PM)

Friday 11:00–11:30 AM

Session No. 415 • Seaport Ballroom F–G
Resident Case Review: US

AMA PRA Category 1 Credit™: .50



Trent R. James, MD, Moderator
Ashish P. Wasnik, MD

LEARNING OBJECTIVES

1) Discuss interesting ultrasound cases of the adult abdomen and pelvis with imaging pearls. 2) Identify commonly encountered female pelvic pathologies in routine and ER settings, with discussion on management guidelines of incidental cystic adnexal masses. 3) Identify normal and abnormal Doppler findings in native and transplant abdominal organs.

Friday 12:00–12:30 PM

AUR Innovations Program Lunch • Seaport Ballroom A–B



Friday 12:00–1:30 PM

Session No. 416

AUR Academic Faculty Development Program (closed program):
Lunch and Keynote Address: The Vital Difference between Being
in Charge and Leading (supported by the American Roentgen Ray
Society)

AMA PRA Category 1 Credits™: 1.50



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) Discuss how to develop a personal plan to enhance excellence as an academic radiologist.

Friday 12:00–1:45 PM

SCARD Business Meeting and Luncheon • Old Town

Friday 12:25–2:30 PM

Session No. 417 • Seaport Ballroom A–B

Innovations in Academic Radiology: There's an App for That
(supported by an unrestricted educational grant from Sectra North
America, Inc.)

AMA PRA Category 1 Credits™: 2.00



LEARNING OBJECTIVES

1) Compare different mobile apps to assess for fit into work flow. 2) Describe how to evaluate mobile/cloud software to assess for fit into work flow. 3) Discuss how to develop an appreciation for the interactions between apps and cloud-based applications.

A. Opening Remarks (12:25–12:30 PM)

Pablo R. Ros, MD, MPH*

B. Online Self-Publishing (12:30–12:40 PM)

Michael L. Richardson, MD

C. Robots and Storage (12:40–12:50 PM)

Kristopher Lewis, MD

LEARNING OBJECTIVES

1) Identify several solutions for storing educational material. 2) Recognize differences in storage solutions and what types of information may be most appropriate for each. 3) Discuss means of automating transfer of information for storage.

D. Massive Open Online Courses (12:50–1:00 PM)

Sumir S. Patel, MD

E. Q&A (1:00–1:10 PM)

F. Searching the Literature (1:10–1:20 PM)

Marta E. Heilbrun, MD

G. What Is in the Metadata? (1:20–1:30 PM)

David W. Jordan, PhD

H. Searching Social Media: Radiology Ontology (1:30–1:40 PM)

C. Matthew Hawkins, MD

LEARNING OBJECTIVES

1) Discuss how to implement use of radiology ontology in social media posts. 2) Identify resources on social media platforms via searching ontological terms. 3) Describe methods by which ontology will enable meaningful use of data produced via social media.

I. Q&A (1:40–1:50 PM)

J. Patient Portals and Radiology (1:50–2:00 PM)

Christoph I. Lee, MD

K. Apps as Disruptive Technology in Health Care (2:00–2:15 PM)

James V. Rawson, MD

L. Q&A (2:15–2:30 PM)

* Faculty financial disclosures are located in the Faculty Index.

Friday 1:30–3:30 PM**Session No. 419****AUR Academic Faculty Development Program (closed program)
(supported by the American Roentgen Ray Society)**

AMA PRA Category 1 Credits™: 2.00

**LEARNING OBJECTIVES**

1) Enumerate the key missions of an academic radiologist. 2) Describe strategies for performing well in each of these missions. 3) Discuss how to develop a personal plan to enhance excellence as an academic radiologist.

A. Career Development Awards (1:30–2:00 PM)

Rathan M. Subramaniam, MD, PhD, MPH*

B. Service to Radiology Organizations (2:00–2:30 PM)

C. Matthew Hawkins, MD

LEARNING OBJECTIVES

1) Explain the differences in how leaders must operate when leading virtual teams versus more-traditional settings. 2) Identify the important factors associated with premeeting preparations when leading virtual teams. 3) Discuss and critique the benefits of virtual communities and their ability to span geographic and ideological boundaries.

C. Mid Career Roundtable: How to Attain and Maintain Academic Productivity (2:30–3:30 PM)

Richard B. Gunderman, MD, PhD, Moderator

Aine M. Kelly, MD, MS

Eric J. Stern, MD

Friday 1:30–4:00 PM**Session No. 418 • Seaport Ballroom F–G
Teaching Certificate Program**

AMA PRA Category 1 Credits™: 2.50

Lori A. Deitte, MD, Moderator
Harprit S. Bedi, MD, Moderator**LEARNING OBJECTIVES**

1) Discuss ways to use social media in departmental initiatives and medical education. 2) Describe interactive teaching techniques aimed at engaging learners. 3) Identify features of destructive versus constructive feedback.

A. Keynote Speaker: Social Media Primer: What Does It All Mean? (1:30–2:00 PM)

Elliot K. Fishman, MD*

B. Q&A (2:00–2:15 PM)**C. How Can We Use Social Media in Our Department Initiatives? (2:15–2:30 PM)**

Richard Duszak, Jr, MD

LEARNING OBJECTIVES

1) Explain how to leverage social media to advance your personal brand as an academic radiologist. 2) Describe how to utilize social media to network and collaborate, to create new educational and research opportunities. 3) Discuss how to apply social media platforms as an alternative learning tool through curated content delivery.

D. How Can We Use Social Media in Medical Education? (2:30–2:45 PM)

Amy L. Kotsenas, MD

LEARNING OBJECTIVES

1) Explain how social media can supplement online education. 2) Describe the advantages and disadvantages of various social media platforms for both

the teacher and the learner. 3) Explain how to utilize best practices to maintain confidentiality of protected health information. 4) Discuss how to implement social media-based teaching in their training curricula.

E. Active Learning: Team Games (including RSNA Diagnosis Live™) (2:45–3:00 PM)

Omer A. Awan, MD

LEARNING OBJECTIVES

1) Identify the latest innovations associated with RSNA Diagnosis Live™ for resident learning. 2) Describe how to implement the use of RSNA Diagnosis Live™, an audience response tool to engage learners during lectures. 3) Discuss how to create team games using RSNA Diagnosis Live™ as a means to improve resident participation during didactic and case-based conferences.

F. Q&A (3:00–3:15 PM)**G. Destructive versus Constructive Feedback (3:15–3:30 PM)**

David S. Sarkany, MD

LEARNING OBJECTIVES

1) Define the difference between constructive and destructive feedback. 2) Discuss the short-term and long-term effects of destructive feedback. 3) Identify ways to provide constructive feedback.

H. Beyond the Feedback Sandwich: A Case Study (3:30–3:45 PM)

Lori A. Deitte, MD

LEARNING OBJECTIVES

1) Explain how to analyze a sample case for features of destructive feedback. 2) Identify ways to provide constructive feedback with this sample case.

I. Q&A (3:45–4:00 PM)**Friday 4:00–4:30 PM****Session No. 420****AUR Academic Faculty Development Program (closed program):
Putting It All Together: The Pursuit of Excellence (supported by
the American Roentgen Ray Society)**

AMA PRA Category 1 Credit™: .50



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) Discuss how to develop a personal plan to enhance excellence as an academic radiologist.

Friday 6:30–7:30 PM**Annual Banquet Cocktail Reception • Grand Hall Foyer****Friday 7:30–10:00 PM****Annual Banquet and Awards Ceremony • Grand Hall A**

* Faculty financial disclosures are located in the Faculty Index.