Monday, May 7, 2018

Monday 7:00–8:00 AM

Session No. 101 • Allendale B
ARRALD Program 1 (closed program)
AMA PRA Category 1 Credit™: 1.00

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

A. Introduction to Leadership
James V. Rawson, MD
Ruth C. Carlos, MD, MS

Monday 7:30–8:00 AM

Session No. 100 • International Ballroom I
Chief Resident Welcome and Annual Survey Results

LEARNING OBJECTIVES
1) Discuss annual survey data from A3CR2 membership about residency programs, compiled by the Mallinckrodt Institute of Radiology.

A. Welcome
Peter S. Liu, MD
B. A3CR2 Survey Presentation
Andrew B. Wallace, MD

Monday 8:00–9:30 AM

Session No. 102 • International Ballroom II–III
AUR Plenary Session
AMA PRA Category 1 Credits™: 1.50

Janet E. Bailey, MD, Moderator

A. Welcome
Martha B. Mainiero, MD
B. The Intern Health Study: Insights into Depression during Medical Training and the Biology of Stress and Resilience
Srijan Sen, MD, PhD

Monday 9:30–10:00 AM

Break • National Ballroom D

Monday 10:00–10:30 AM

Session No. 106 • International Ballroom I
Case Review: Neuroradiology
AMA PRA Category 1 Credit™: 0.50

Katherine E. Barton, MD, Moderator
Mark E. Mullins, MD, PhD

LEARNING OBJECTIVES
1) Describe common and uncommon cases in neuroradiology, highlighting key imaging findings and teaching points.

* Faculty financial disclosures are located in the Faculty Index.
Monday 10:00–11:30 AM

Session No. 103 • Augusta
Can I Increase My Emotional Intelligence, and Why Should I? Α
AMA PRA Category 1 Credits™: 1.50

Joseph Stuckelman, BA*, Moderator
Stefani A. Hodgkins, BS, MBA*
Cheri L. Canon, MD

LEARNING OBJECTIVES
1) Define emotional intelligence. 2) List the benefits of high emotional intelligence. 3) Discuss strategies to improve emotional intelligence.

Monday 10:00–11:30 AM

Session No. 104 • International Ballroom II–III
Education Track 1: Key Additions to Your Curriculum (Ε)
(Supported by an unrestricted educational grant from Bracco Diagnostics, Inc.)
AMA PRA Category 1 Credits™: 1.50

Rebecca Leddy, MD, Moderator
Jeannie K. Kwon, MD, Moderator

LEARNING OBJECTIVES
1) Discuss how to develop methods for improving diversity and reducing disparity in radiology department practices. 2) Describe strategies for developing effective global health curricular components. 3) Describe how machine learning can improve the radiology educational experience. 4) Identify techniques for establishing interprofessional learning experiences. 5) Identify essential elements for teaching leadership skills to radiology trainees.

A. How to Address Diversity and Disparity in Practices
Desiree E. Morgan, MD*

B. Optimization of Global Health Experiences for Trainees and Faculty
Aarti Sekhar, MD

C. Incorporating Machine Learning into Radiology Education Programs
Matthew T. Heller, MD*

D. Interprofessional Education: Key Components to Promote Optimal Care
James C. Anderson, MD

E. Establishing a Leadership Track for Trainees
Dania Daye, MD, PhD

F. Q&A

Monday 10:30–11:30 AM

Session No. 107 • Congressional
Research Track 1: Biostatistics (Ρ)
AMA PRA Category 1 Credits™: 1.50

Linda J. Probyn, MD, Moderator
William F. Auffermann, MD, PhD, Moderator

LEARNING OBJECTIVES
1) Describe the basic principles of probability theory. 2) Explain the basic statistical concepts needed to critically appraise and perform research. 3) Discuss the common sources of error in applying statistics to research data. 4) Identify factors that lead to high reproducibility and measurements of high reproducibility. 5) Discuss the indications and the methodologies used in the analysis of Gaussian and non-Gaussian data.

A. Basic Concepts of Statistical Analysis
William F. Auffermann, MD, PhD

B. Measurements of Precision
Michael H. Rosenthal, MD, PhD

C. Analysis of Gaussian Data
Stefan Tigges, MD*

D. Analysis of Non-Gaussian/Categorical Data
Michael L. Richardson, MD

E. Panel Discussion
Michael L. Richardson, MD
Michael H. Rosenthal, MD, PhD
William F. Auffermann, MD, PhD
Stefan Tigges, MD*

Monday 10:30–11:30 AM

Session No. 108 • International Ballroom I
Effective Teaching Methods (Τ)
AMA PRA Category 1 Credit™: .50

Julie C. Birch, MD, Moderator
David M. Naeger, MD

LEARNING OBJECTIVES
1) Describe various teaching methods for trainee education. 2) Explain effective strategies for engaging learners and creating lasting knowledge.

Monday 12:00–1:00 PM

ARRALD Mentorship Lunch (closed program) • Seminole

Monday 12:00–1:00 PM

AUR New Attendee Orientation Meeting • Oakmont

Monday 12:00–1:00 PM

A3CR² Networking Lunch (A3CR² members only) • Ballroom Commons
(Supported by the American College of Radiology)

Monday 1:00–1:30 PM

Session No. 109 • International Ballroom I
Research Track 1: Biostatistics (Ρ)
AMA PRA Category 1 Credits™: 1.50

RS

Linda J. Probyn, MD, Moderator
William F. Auffermann, MD, PhD, Moderator

LEARNING OBJECTIVES
1) Describe the basic principles of probability theory. 2) Explain the basic statistical concepts needed to critically appraise and perform research. 3) Discuss the common sources of error in applying statistics to research data. 4) Identify factors that lead to high reproducibility and measurements of high reproducibility. 5) Discuss the indications and the methodologies used in the analysis of Gaussian and non-Gaussian data.

A. Basic Concepts of Statistical Analysis
William F. Auffermann, MD, PhD

B. Measurements of Precision
Michael H. Rosenthal, MD, PhD

C. Analysis of Gaussian Data
Stefan Tigges, MD*

D. Analysis of Non-Gaussian/Categorical Data
Michael L. Richardson, MD

E. Panel Discussion
Michael L. Richardson, MD
Michael H. Rosenthal, MD, PhD
William F. Auffermann, MD, PhD
Stefan Tigges, MD*

Monday 1:00–1:30 PM

Session No. 110 • International Ballroom I
Research Track 1: Biostatistics (Ρ)
AMA PRA Category 1 Credits™: 1.50

RS

Linda J. Probyn, MD, Moderator
William F. Auffermann, MD, PhD, Moderator

LEARNING OBJECTIVES
1) Describe the basic principles of probability theory. 2) Explain the basic statistical concepts needed to critically appraise and perform research. 3) Discuss the common sources of error in applying statistics to research data. 4) Identify factors that lead to high reproducibility and measurements of high reproducibility. 5) Discuss the indications and the methodologies used in the analysis of Gaussian and non-Gaussian data.

A. Basic Concepts of Statistical Analysis
William F. Auffermann, MD, PhD

B. Measurements of Precision
Michael H. Rosenthal, MD, PhD

C. Analysis of Gaussian Data
Stefan Tigges, MD*

D. Analysis of Non-Gaussian/Categorical Data
Michael L. Richardson, MD

E. Panel Discussion
Michael L. Richardson, MD
Michael H. Rosenthal, MD, PhD
William F. Auffermann, MD, PhD
Stefan Tigges, MD*

* Faculty financial disclosures are located in the Faculty Index.
### Monday 1:00–2:30 PM

#### Session No. 109 • International Ballroom II–III

**ABR Update**  
**AMA PRA Category 1 Credits**: 1.50  
**Valerie P. Jackson, MD**, Moderator  

**LEARNING OBJECTIVES**
1. Identify opportunities for improved understanding of ABR processes, procedures, and policies.  
2. Develop an action plan for improved understanding of ABR processes, procedures, and policies.

- **A. The June 2017 Core Exam: What Happened?**  
  Valerie P. Jackson, MD  
- **B. Roles and Responsibilities of the ABR and Residency Programs in Initial Certification**  
  Donald J. Flemming, MD  
- **C. ABR Online Longitudinal Assessment (OLA)**  
  Lisa Kachnic, MD  
- **D. ABR Finances**  
  Brent J. Wagner, MD  
- **E. What Do Other Boards Do?**  
  David Laszakovits, MBA

### Monday 1:00–2:30 PM

#### Session No. 110 • Allendale B

**ARRALD Program 2 (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 improvements.

- **A. Networking in the Radiology Profession/Community**  
  Ruth C. Carlos, MD, MS  
- **B. Networking Exercise: “Speed Networking”**  
  Ruth C. Carlos, MD, MS

### Monday 1:00–2:30 PM

#### Session No. 111 • Colonial

**Outcomes Research Methods**  
**AMA PRA Category 1 Credits**: 1.50  

**Maria E. Heilbrun, MD**, Moderator  

**LEARNING OBJECTIVES**
1. Identify key outcomes research methods for health services research.  
2. Explain how to apply these outcomes research methods to interpreting the radiology scientific literature.  
3. Discuss how to apply these outcomes research methods to your own research projects.

- **A. Measuring the Performance of Diagnostic Tests**  
  Pina C. Sanelli, MD, MPH  
- **B. Systematic Review and Meta-analysis**  
  Stella K. Kang, MD, MSc  
- **C. Decision Analysis and Cost-effectiveness Analysis**  
  Pari Pandharipande, MD, MPH

### Monday 1:00–2:30 PM

#### Session No. 112 • Allendale A

**RRA Task Force Reports, Part 1: Leveraging Megatrends in Medicine and Radiology Today**  
**AMA PRA Category 1 Credits**: 1.50  

**Linda J. Probyn, MD**, Moderator  
**Robert J. Ward, MD**, Moderator  

**LEARNING OBJECTIVES**
1. Describe nonprocedural radiology skills.  
2. Explain the impact of health care integration and mergers and the opportunities and challenges for imaging.  
3. Explain autosegmentation tools for large-scale image analytics.  
4. Discuss the promotion of health and wellness for radiologists.  
5. Discuss forensic radiology.

- **A. Nonprocedural Radiology Skills**  
  Rebecca T. Sivarajah, MD  
  Elizabeth M. Johnson, MD, MS  
- **B. Health Care Integration and Mergers: Opportunities and Challenges for Imaging**  
  Andrew B. Rosenkrantz, MD  
  Rathan M. Subramaniam, MD, PhD, MPH  
- **C. Autosegmentation Tools for Large-Scale Image Analytics**  
  Laura Heacock, MD  
  Leon Lenchik, MD  
  Daniel A. Ortiz, MD  
  Kim L. Sandler, MD  
  Dhakshina M. Ganeshan, MD  
- **D. Promoting Health and Wellness for Radiologists**  
  Tiffany L. Chan, MD  
  David H. Ballard, MD  
  Alison L. Chetlen, DO  
  L. Alexandre Frigini, MD  
  Dhakshina M. Ganeshan, MD  
- **E. Forensic Radiology**  
  Maria Braileanu, MD  
  Maria W. Tucker, DO  
  Jason Powell, MD

### Monday 1:00–2:30 PM

#### Session No. 113 • Congressional

**The Image of Radiology: Integrating Radiology into the Preclinical Years**  
**AMA PRA Category 1 Credits**: 1.50  

**Allison M. Grayev, MD**, Moderator  
**Kimi L. Kondo, DO**, Moderator  

**LEARNING OBJECTIVES**
1. Discuss how to integrate radiology into all aspects of early medical school education.  
2. Describe how to create a program for junior medical students to experience a radiologist’s workday.  
3. Identify where radiology fits within patient pathways through the clinic/hospital system.  
4. Describe how to compose core clerkship imaging skills training for senior medical students on their clerkships.  
5. Discuss how to design a medical student “on call in radiology” program.

- **A. M1—Doctoring Program: Professional Well-being and Balance**  
  Katherine A. Klein, MD  
- **B. M2—Bring a Buddy Program/Radiology Field Trips**  
  Matthew T. Heller, MD  
- **C. M3—Multidisciplinary Oncology Experience**  
  Angela Giardino, MD  
- **D. M4—Teaching Core Clerkship Skills**  
  Andres R. Ayoob, MD  

* Faculty financial disclosures are located in the Faculty Index.
E. Medical Students on Call in Radiology
Matthew S. Hartman, MD

F. Panel Discussion
Matthew T. Heller, MD
Matthew S. Hartman, MD
Katherine A. Klein, MD
Angela Giardino, MD
Andres R. Ayoob, MD

Monday 1:30–2:30 PM

Session No. 114 • International Ballroom I
ACR Update for Residents

LEARNING OBJECTIVES
1) Discuss an overview of the structure and mission of the ACR. 2) Describe ways that the ACR helps practicing radiologists, including advocacy and collaboration. 3) Explain opportunities for physician engagement in the ACR, including at the trainee level.

Monday 2:30–3:00 PM

Break • National Ballroom D

Monday 3:00–3:30 PM

Session No. 115 • International Ballroom I
Case Review: US

LEARNING OBJECTIVES
1) Describe common and uncommon cases in ultrasound, highlighting key principles and teaching points.

Monday 3:00–4:30 PM

Session No. 116 • Colonial
Wellness in Radiology Research

LEARNING OBJECTIVES
1) Define key methods of measuring quality of life in imaging research. 2) Identify techniques to measure patient wellness and patient-centered outcomes in survey research. 3) Develop personal strategies for maintaining quality of life and managing burnout in a research career.

A. Quality-of-Life Research in Imaging: Methods and Measurement
J. Shannon Swan, MD

B. Measuring Patient Wellness and Patient-centered Outcomes in Survey Research
Resmi Charalel, MD

Monday 3:00–4:30 PM

Session No. 117 • Congressional
Self-preservation Skills for the Radiology Educator

LEARNING OBJECTIVES
1) Explain how to apply your medical school educational efforts towards career development. 2) Discuss relevant factors and steps in the career application process for medical students. 3) Identify ways to integrate residents and medical students as stakeholders in radiology education. 4) Explain how to approach and assist colleagues in distress. 5) Discuss how to evaluate factors that create or solve the gender gap in radiology.

A. Getting Recognized for Your Medical School Contributions
David M. Naeger, MD

B. Coaching Medical Students through the Career Application Process
C. Alexander Grieco, MD

C. Engaging Medical Students: Residents as Educators
Jeanine Beatty-Chadha, MEd

D. Approach to the Faculty Colleague, Resident, or Medical Student in Distress
Leslie M. Scoutt, MD

E. Panel Discussion: Closing the Gender Gap in Radiology
Emily M. Webb, MD
Alison L. Chetlen, DO
Erinn Cooke, MD, MPH
Smyrna Tuburan, MD

Monday 3:00–4:30 PM

Session No. 118 • International Ballroom II–III
Radiology Training Program Open Mic Session

LEARNING OBJECTIVES
1) Discuss factors affecting trainees and training programs with regard to family issues. 2) Identify opportunities for improved leadership transitions. 3) Identify opportunities for including the topic of artificial intelligence and radiology education/training. 4) Discuss how to develop an action plan for working with struggling trainees.

Monday 3:00–4:30 PM

Session No. 119 • International Ballroom I
Self-Presence Skills for the Radiology Educator

LEARNING OBJECTIVES
1) Explain how to apply your medical school educational efforts towards career development. 2) Discuss relevant factors and steps in the career application process for medical students. 3) Identify ways to integrate residents and medical students as stakeholders in radiology education. 4) Explain how to approach and assist colleagues in distress. 5) Discuss how to evaluate factors that create or solve the gender gap in radiology.

A. Getting Recognized for Your Medical School Contributions
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Emily M. Webb, MD
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### Monday 3:00–4:30 PM

**Session No. 122 • Allendale A**  
Leadership: New Perspectives

**AMA PRA Category 1 Credits**: 1.50

**LEARNING OBJECTIVES**

1. Describe the relationships between leadership skills and music.
2. Discuss the lessons of leadership from baseball history.
3. Describe the value of “right brain” skills, particularly empathy and creativity, in effective leadership.

A. **Music and Leadership**  
Reed A. Omary, MD, MS

B. **Leadership: Lessons Learned from Baseball**  
N. Reed Dunnick, MD

C. **The Role of the Right Side of the Brain in Leadership**  
Valerie P. Jackson, MD

### Monday 3:00–4:30 PM

**APCR Member Meeting 1 • Augusta**

### Monday 3:30–4:30 PM

**Session No. 119 • International Ballroom I**  
Idea Forum (A+CR² members only)

**AMA PRA Category 1 Credit**: 1.00

**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 your home institution.

A. **Panel Discussion**  
Erik K. Paulson, MD
  Martha B. Mainiero, MD
  Alexander Norbash, MD

### Monday 4:00–5:30 PM

**Session No. 120 • Allendale B**  
ARRALD Program 3 (closed program)

**AMA PRA Category 1 Credits**: 2.50

**LEARNING OBJECTIVES**

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

A. **Junior Faculty Panel: Balancing Life and Career in Academic Radiology**  
Jadranka Stojanovska, MD

B. **Panelists**  
Hedvig Hricak, MD, PhD
  Cheri L. Canon, MD
  Christopher P. Hess, MD, PhD

### Monday 4:30–5:30 PM

**Session No. 121 • International Ballroom I**  
AUR Special Session: LGBT-related State Laws: How Can Academic Radiology Respond?

**AMA PRA Category 1 Credit**: 1.00

**LEARNING OBJECTIVES**

1. Describe recent political events that have become relevant to planning and attending academic radiology meetings.
2. Explain the ramifications for individuals and societies in deciding how academic societies should respond.
3. Discuss future options and directions for the society.

A. **Panel Discussion**  
Reed A. Omary, MD, MS, Moderator

### Monday 6:30–8:30 PM

**AUR Welcome Reception • Golf Course Commons**

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* Faculty financial disclosures are located in the Faculty Index.
Tuesday, May 8, 2018

Tuesday 7:00–8:00 AM

Session No. 201 • National Ballroom D
Poster Discussion Session
AMA PRA Category 1 Credits™: 1.00

Tuesday 7:00–8:00 AM

Breakfast and Roundtable Discussions • National Ballroom B–C

Tuesday 7:45–9:30 AM

Session No. 202 • Allendale A
AUR Radiology Management Program (closed program)
AMA PRA Category 1 Credits™: 1.75

LEARNING OBJECTIVES
1) Explain, 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
Pablo R. Ros, MD, MPH

B. Case 1: The Hunger Games: Productivity-based Compensation Plan for Academic Radiologists
Pablo R. Ros, MD, MPH
Kristen K. DeStigter, MD

Tuesday 8:00–9:30 AM

Session No. 203 • Congressional
RRA Research Boot Camp: Strategies and Practical Pitfalls for Exploring New Avenues in Radiology Research
AMA PRA Category 1 Credits™: 1.50

LEARNING OBJECTIVES
1) Identify an array of opportunities for radiology research beyond traditional clinical lines of investigation. 2) Describe strategies for radiology investigators to successfully pursue such lines of research. 3) Discuss potential pitfalls that may be encountered in these areas.

A. Research in Gender and Wellness Issues
Stacy E. Smith, MD

B. Research in Molecular Imaging
Rathan M. Subramaniam, MD, PhD, MPH

C. Research in Quality and Safety
Jason N. Itri, MD, PhD

D. Research in Radiology Education
Mark E. Mullins, MD, PhD

E. Research in Policy-focused Imaging Health Services
Andrew B. Rosenkrantz, MD

F. Q&A

Tuesday 10:00–11:30 AM

Session No. 205 • International Ballroom I
Leadership Track 1: Are Leaders Born or Made?
AMA PRA Category 1 Credits™: 1.50

LEARNING OBJECTIVES
1) Explain what leaders are and what they do. 2) Describe how leaders evolve. 3) Discuss what leadership development opportunities exist in radiology.

A. Are Leaders Born or Made: What Does the Evidence Say?
Frank J. Lexa, MD

B. Definition of Leadership
Cheri L. Canon, MD

C. Leadership Development Opportunities
Daniel A. Ortiz, MD

Tuesday 10:00–11:30 AM

Session No. 206 • Congressional
Harnessing Big Data in Radiology Health Services Research
AMA PRA Category 1 Credits™: 1.50

LEARNING OBJECTIVES
1) Explain approaches by which big data sources can be utilized within decision models. 2) Identify methods by which artificial intelligence can be used as a tool to aid in health services research. 3) Discuss how to develop strategies for translating big data research into daily clinical practice.

A. Application of Big Data Sources for Decision Models
Kathryn Lowry, MD

B. Artificial Intelligence as a Tool to Aid in Health Services Research
Yvonne W. Lui, MD

C. Translating Big Data Research into Clinical Practice
Paul P. Cronin, MBBS

Faculty financial disclosures are located in the Faculty Index.
Tuesday 10:00–11:30 AM

Session No. 207 • Augusta
Leading from the Middle: Maximizing Coordinator Effectiveness
AMA PRA Category 1 Credits™ 1.50

Joseph Stuckelman, BA®, Moderator
Nilu A. Dorschner, BA, BS
Frank J. Lexa, MD

LEARNING OBJECTIVES
1) Explain the importance of distributed leadership in knowledge organizations.
2) Describe how to get started in leadership activities and lead successfully even when you aren’t the leader.
3) Explain managing up: how to succeed and help your leaders to succeed.
4) Discuss matrix organizations: how to survive, lead, and thrive in complex institutions.

Tuesday 10:00–11:30 AM

Session No. 208 • International Ballroom II–III
Education Track 2: Teaching Value-added Care
(Supported by an unrestricted educational grant from Bracco Diagnostics, Inc.)
AMA PRA Category 1 Credits™ 1.50

Sandra P. Rincon, MD, Moderator
Katherine A. Klein, MD, Moderator

LEARNING OBJECTIVES
1) Identify techniques for enhancing the radiologist’s role in patient care pathways.
2) Explain methods for effectively communicating with patients.
3) Compare and contrast strategies for creating radiology reports that more clearly communicate results to both patients and providers.
4) Describe essential elements for effectively and efficiently communicating with referring clinicians in consultation clinics.
5) Discuss how to implement strategies for effectively balancing teaching and clinical efficiency.

A. Making Radiology Trainees Essential in Integrated/Interdisciplinary Patient Care Pathways
Glenn C. Gaviola, MD

B. Essentials of and Opportunities for Radiologist Trainee–Patient Communication
David S. Sarkany, MD

C. Optimizing Reports for Patients and Referring Clinicians
Ana P. Lourenco, MD

D. Incorporating Radiology Trainees into Consultation Clinics
James M. Milburn, MD®

E. Teaching Models for Maximizing Efficiency to Improve Patient Care
Anna I. Holbrook, MD

F. Q&A

Tuesday 10:00–11:45 AM

Session No. 209 • Allendale A
AUR Radiology Management Program (closed program)
AMA PRA Category 1 Credits™ 1.75

LEARNING OBJECTIVES
1) Explain, 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

Tuesday 10:00 AM–12:00 PM

Session No. 210 • Allendale B
ARRALD Program 4 (closed program)
AMA PRA Category 1 Credits™ 2.00

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

A. Leadership Examples, Theory, and Lessons Learned
Alexander Norbash, MD®

B. Critical Communications Skills and Conflict Resolution
Carolyn C. Meltzer, MD

Tuesday 12:00–1:00 PM

Luncheon and AUR Business Meeting • National Ballroom B–C

Tuesday 12:00–1:30 PM

APCR Lunch • Royal Melbourne

* Faculty financial disclosures are located in the Faculty Index.
Tuesday 1:00–1:45 PM

Session No. 211 • National Ballroom B–C

Vydareny Imaging Interpretation Competition

(Supported by the Radiological Society of North America)

AMA PRA Category 1 Credits™: .75

Umesh D. Oza, MD, Moderator
Michael C. Morriss, MD, Moderator
Jeremy T. Hall, MD
Adam W. Jaster, MD
Julie C. Birch, MD
Andrew H. Lichliter, MD
Justin M. McCaslin, MD

LEARNING OBJECTIVES
1) Demonstrate improved skills in rapid interpretation of challenging radiology cases. 2) Articulate the value of teamwork in discussing and diagnosing challenging cases. 3) Identify improved strategies for narrowing the differential diagnosis in challenging cases. 4) Describe the application of multiple imaging modalities in reaching an accurate diagnosis, including plain films, ultrasound, CT, MRI, and nuclear medicine. 5) Articulate an expanded medical knowledge base from diagnosis of complex and challenging cases.

Tuesday 1:00–2:30 PM

Session No. 212 • Allendale A

AUR Radiology Management Program (closed program)

AMA PRA Category 1 Credits™: 1.50

Matthew A. Barish, MD
Judy Yee, MD

LEARNING OBJECTIVES
1) Explain, 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: Academic Radiology Departments Relationships with Industry
Matthew A. Barish, MD
Judy Yee, MD

Tuesday 2:00–3:30 PM

Session No. 214 • Congressional Career Well-being

AMA PRA Category 1 Credits™: 1.50

Kristen L. Baugnon, MD, Moderator

LEARNING OBJECTIVES
1) Identify the causes of burnout and the behaviors that can mitigate it. 2) Describe workplace strategies for preventing burnout, and summarize preventative mechanisms that can minimize burnout. 3) Explain how to integrate your mentoring experience into your mentoring efforts. 4) Discuss how to apply skills to improve one-on-one teaching at the view station. 5) Explain how to design and organize a well-balanced educator’s portfolio that enables promotion.

A. Professional and Career Resilience: Avoiding Burnout and the Art of Reinventing Yourself
Alison L. Chetlen, DO

B. Workplace Solutions: Workplace Strategies for Preventing Burnout
David S. Sarkany, MD

C. Mentoring Skills: Flipped Mentoring—“How Do I Get Mentored?”
Mark E. Mullins, MD, PhD

D. Teaching Skills at the Workstation: Tips and Pearls
Michael L. Richardson, MD

E. Building a Well-balanced Educator’s Portfolio for Promotion: Pearls and Pitfalls
Ramesh S. Iyer, MD

F. Panel Discussion
Ramesh S. Iyer, MD
Michael L. Richardson, MD
Alison L. Chetlen, DO
David S. Sarkany, MD
Mark E. Mullins, MD, PhD

Tuesday 2:00–3:30 PM

Session No. 215 • International Ballroom II–III

RRC Update (Diagnostic Radiology and Nuclear Medicine)

AMA PRA Category 1 Credits™: 1.50

Felicia Davis, Moderator
James C. Anderson, MD, Moderator
Jon A. Baldwin, DO, Moderator

LEARNING OBJECTIVES
1) Identify opportunities for improved understanding of ACGME Radiology RRC processes, procedures, and policies. 2) Identify opportunities for improved understanding of ACGME Nuclear Medicine RRC processes, procedures, and policies. 3) Discuss how to develop an action plan for improved understanding of ACGME Radiology and Nuclear Medicine processes, procedures, and policies.

A. Radiology RRC Update for Diagnostic Radiology and Interventional Radiology
James C. Anderson, MD

B. Nuclear Medicine RRC Update
Jon A. Baldwin, DO

C. ACGME Update
Felicia Davis

* Faculty financial disclosures are located in the Faculty Index.
Tuesday 2:00–3:30 PM

Session No. 216 • Augusta
RRA Task Force Reports, Part 2: Leveraging Megatrends in Medicine and Radiology Today

LEARNING OBJECTIVES
1) Discuss the role of radiology in global health. 2) Describe facilitation of the transition from resident to academic faculty. 3) Explain perceptual errors in radiology. 4) Discuss comparative effectiveness analysis in imaging. 5) Describe best practices for systematic review of the literature.

A. Role of Radiology in Global Health
Justin G. Peacock, MD, PhD
Stacy E. Smith, MD

B. Facilitating Transition from Resident to Academic Faculty
Li Hsia A. Cheong, MD
Tara M. Catanzano, MD
Joseph R. Grajo, MD

C. Perceptual Errors in Radiology
Lindsay Stratchko, DO
William F. Auffermann, MD, PhD

D. Comparative Effectiveness Analysis in Imaging: Closing Gaps in Evidence
Anna V. Trofimova, MD, PhD
Hansel J. Otero, MD

E. Systematic Review of the Literature: Best Practices
Matthew M. Miller, MD, PhD
Prabhakar Rajiah, MD, FRCR

Tuesday 2:00–3:30 PM

AMSCR Program 1 • Olympic B

A. Increasing Medical Student Awareness of Careers in Radiology through a Medical Student Fair
Lily L. Wang, MBBS, MPH

B. Interventional Radiology: Guiding the Medical Student into a Pathway
Ross L. Ristagno, MD
Tosha C. Feldkamp

Tuesday 2:00–4:00 PM

Session No. 217 • Colonial
GERRAF Research in Progress 1

LEARNING OBJECTIVES
1) Identify elements of high-quality health services research. 2) Model skills in providing effective research feedback. 3) Critique comparative effectiveness and health services research protocols.

Tuesday 3:00–3:30 PM

Session No. 218 • International Ballroom I
Case Review: Physics

LEARNING OBJECTIVES
1) Describe common and uncommon cases in clinical physics, highlighting key principles and teaching points.

Tuesday 3:00–5:00 PM

Session No. 219 • Allendale A
AUR Radiology Management Program (closed program)

LEARNING OBJECTIVES
1) Explain, 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: Building a Culture of Wellness and Resilience
Carolyn C. Meltzer, MD
Cheri L. Canon, MD

B. Discussion

Tuesday 3:00–5:30 PM

Session No. 221 • Allendale B
ARRALD Program 5 (closed program)

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

A. Radiological Professional Organizations: Making Sense of the “Alphabet Soup”
N. Reed Dunnick, MD

B. Introduction to Process Improvement and Quality
Cindy S. Lee, MD

C. PB&J: A Process Improvement Case
James V. Rawson, MD
Ruth C. Carlos, MD, MS

Tuesday 3:30–4:00 PM

Break and Poster Viewing • National Ballroom D

* Faculty financial disclosures are located in the Faculty Index.
Tuesday 4:00–5:00 PM

AMSER Members and Business Meeting • Oakmont

Tuesday 4:00–5:00 PM

Session No. 220 • International Ballroom I
Problem Solving (A^3CR^2 members only) 

AMA PRA Category 1 Credit™: 1.00

Matthew P. Kiczek, DO, Moderator
Benjamin L. Triche, MD, Moderator
Charles S. Resnik, 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.

Tuesday 4:00–5:30 PM

Session No. 222 • Congressional
AUR Research and Education Foundation Grant Session

AMA PRA Category 1 Credit™: 1.50

Pina C. Sanelli, MD, MPH, Moderator
Christopher M. Straus, MD, * , Moderator

LEARNING OBJECTIVES
1) Recognize the AUR Research and Education (R&E) Foundation history and growth to the present time. 2) Discuss how to access the grant information online, and explain eligibility criteria, deadlines, and goals for grant recipient mentorship and for the AUR organization. 3) Explain how the current grant projects may be useful and accessible to all AUR members. 4) Describe the nature and range of projects that are made available to junior faculty by the AUR R&E Foundation.

A. Introduction
Pina C. Sanelli, MD, MPH

B. Design of an Interactive Case-based Online Tutorial for Prostate MR Imaging Interpretation Using PI-RADS
Andrew B. Rosenkrantz, MD

C. Facilitating a Radiology Curriculum for Radiology Residents in Haiti Using Tablet Computers
Jennifer L. Nicholas, MD

D. Research Mentor Academy
Leon Lenchik, MD

E. Essential Skills in Educational Scholarship: Online Training for AUR Members
Priscilla J. Slanetz, MD, MPH

F. Development and Implementation of a National Imaging Informatics Curriculum for Radiology Residents
Tessa S. Cook, MD, PhD

G. Research and Development of a Standardized Letter of Recommendation for Use in the Radiology Residency Match
Caroline W. Carrico, MD

Tuesday 5:00–5:30 PM

AUR 66th Annual Meeting  21
### Wednesday, May 9, 2018

**Wednesday 7:00–8:00 AM**

**Session No. 301 • National Ballroom D**  
Poster Discussion Session  
AMA PRA Category 1 Credit™, 1.00

**Wednesday 7:00–8:00 AM**

Breakfast and Roundtable Discussions • National Ballroom B–C

**Wednesday 8:00–8:45 AM**

**Session No. 302 • International Ballroom I**  
Success in Social Media  
AMA PRA Category 1 Credit™, .75

**Wednesday 8:00–9:30 AM**

**Session No. 303 • Allendale B**  
ARRALD Program 6 (closed program)  
AMA PRA Category 1 Credit™, 1.50

**Wednesday 8:00–9:30 AM**

**Session No. 304 • Allendale A**  
AUR Radiology Management Program (closed program)  
AMA PRA Category 1 Credit™, 1.50

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### Wednesday 8:00–9:30 AM

**Session No. 305 • Augusta**  
Three Perspectives on Resident Wellness  
AMA PRA Category 1 Credit™, 1.50

**Wednesday 8:00–9:30 AM**

**Session No. 306 • Congressional**  
Research Track 2: Clinical Trial/Study Design  
AMA PRA Category 1 Credit™, 1.50

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**LEARNING OBJECTIVES**

1. Discuss social media platforms frequently used by radiologists.  
2. Describe methods for creating a successful social media platform.  
3. Discuss positive and negative effects of social media in the radiology profession.

**LEARNING OBJECTIVES**

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

**LEARNING OBJECTIVES**

1. Compare and examine differing viewpoints of resident wellness from the perspectives of a program coordinator, a program director, and a resident.  
2. Define and characterize burnout and resilience.  
3. Discuss current trends in resilience training.

**LEARNING OBJECTIVES**

1. Identify the advantages and disadvantages of each study design.  
2. Describe the main differences between study designs.  
3. Explain how to develop a meaningful and focused research study question.  
4. Discuss issues related to randomization, blinding, baseline measurements, and recruitment.  
5. Identify biases in studies, and develop strategies to minimize bias.

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* Faculty financial disclosures are located in the Faculty Index.
Wednesday 8:00–9:30 AM

Session No. 307 • International Ballroom II–III
Education Track 3: Scholarship, Teaching, and Learning
(Supported by an unrestricted educational grant from Bracco Diagnostics, Inc.)
AMA PRA Category 1 Credits™: 1.50

**ED**
Pamela W. Schaefer, MD, Moderator
Monica M. Sheth, MD, Moderator

**LEARNING OBJECTIVES**
1) Identify common platforms used to create enduring learning materials.
2) Explain how to use comics as effective teaching tools.
3) Describe strategies for using social media to improve radiology education.
4) Describe methods for developing a successful peer support program.
5) Discuss how to develop techniques for establishing an effective learning environment.
6) Explain methods for composing and reviewing papers effectively.

**A. Making a Footprint: Creating Enduring Materials**
Tabassum A. Kennedy, MD

**B. New Models to Create a Positive Clinical Learning Environment**
Jon A. Baldwin, DO

**C. Enhancing Medical Student Education with Comics**
Stefan Tigges, MD

**D. Social Media Strategies for Improving Radiology Education**
Joshua P. Nickerson, MD

**E. Establishing a Peer Support Program**
Peter S. Liu, MD

**F. Publishing and Reviewing: Tips from the Editor**
Pamela W. Schaefer, MD

Wednesday 8:45–9:30 AM

Session No. 308 • International Ballroom I
Effective Mentoring
AMA PRA Category 1 Credit™: .75

**ED**
Daniella Asch, MD, Moderator
Carolyn C. Meltzer, MD
Mahan Mathur, MD

**LEARNING OBJECTIVES**
1) Explain the importance of mentorship in career development for radiologists, including trainee and junior faculty.
2) Describe effective mentorship strategies from both senior and junior faculty perspectives.
3) Discuss varying stressors/influences of burnout from private and academic practice standpoints.

**A. Why Do We Burn Out?**
Richard B. Gunderman, MD, PhD

**B. Burnout: An Academic Perspective**
Corrie M. Yablon, MD

**C. Private Practice Perspective**
Kurt A. Schoppe, MD

**D. Wellness and Burnout: A Resident’s Perspective**
Dexter Mendoza, MD

Wednesday 9:30–10:00 AM

Break and Poster Viewing • National Ballroom D

Wednesday 10:00–11:30 AM

Session No. 309 • International Ballroom II–III
Brogdon Panel: Understanding and Mitigating Burnout across Various Practice Settings
AMA PRA Category 1 Credits™: 1.50

**ED**
Daniel A. Adamo, MD, Moderator
Naim Ali, MD, Moderator

**LEARNING OBJECTIVES**
1) Explain physician burnout in radiology, including root causes and practice manifestations.
2) Describe solutions for managing physician burnout, both from a practice level and an individual level.
3) Discuss varying stressors/influences of burnout from private and academic practice standpoints.

**A. Why Do We Burn Out?**
Richard B. Gunderman, MD, PhD

**B. Burnout: An Academic Perspective**
Corrie M. Yablon, MD

**C. Private Practice Perspective**
Kurt A. Schoppe, MD

**D. Wellness and Burnout: A Resident’s Perspective**
Dexter Mendoza, MD

Wednesday 10:00–12:00 PM

Session No. 311 • Allendale A
AUR Radiology Management Program (closed program)
AMA PRA Category 1 Credits™: 2.00

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

**LEARNING OBJECTIVES**
1) Explain, 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 committee.
3) Discuss management problem solving guided by key experts in the field.

**A. Case 6: Practice Quality Improvement: Where Do I Start?!?**
Aine M. Kelly, MD, MS
Paul P. Cronin, MBCh

**B. Keynote Speaker: Future of Radiology: Key Drivers for the Next 5 Years**
James A. Brink, MD

Wednesday 11:00 AM–12:00 PM

APCR Member Meeting 2 • Augusta

* Faculty financial disclosures are located in the Faculty Index.
**Wednesday 12:00–1:00 PM**

Luncheon and AUR Awards Ceremony • National Ballroom B–C

**Wednesday 1:00–2:30 PM**

AUR Scientific Sessions

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<th>Pages</th>
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<td>Clinical: Musculoskeletal, Neuroradiology</td>
<td>Colonial</td>
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<tr>
<td>SS02</td>
<td>Clinical: Abdominal, Interventional Radiology, Nuclear Medicine, Women's Imaging</td>
<td>Augusta</td>
<td>57–60</td>
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<td>SS04</td>
<td>Resident and Medical Student Education</td>
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<td>63–66</td>
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<td>SS05</td>
<td>Resident Education</td>
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<td>66–68</td>
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<tr>
<td>SS06</td>
<td>RAHSR Session</td>
<td>Allendale B</td>
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**Wednesday 2:30–3:00 PM**

Break and Poster Viewing • National Ballroom D

**Wednesday 3:00–4:00 PM**

Session No. 314 • Colonial

GERRAF Research in Progress 2

**Wednesday 3:00–4:30 PM**

Session No. 315 • Augusta

Value-driven Practice: Making the Change

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<td>A</td>
<td>Defining Value</td>
<td>Bennett S. Greenspan, MD, MS, Moderator</td>
<td>63–66</td>
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<td>B</td>
<td>The Radiologist, the Clinician, and Nuclear Medicine: Adding Value to Our Specialty</td>
<td>Patrick M. Colletti, MD</td>
<td>66–68</td>
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<tr>
<td>C</td>
<td>Communicating Value: The Case for Trinary Reporting of V/Q Imaging</td>
<td>Darlene F. Metter, MD</td>
<td>67–68</td>
</tr>
<tr>
<td>D</td>
<td>Value, Quality, and Nuclear Medicine</td>
<td>Bennett S. Greenspan, MD, MS</td>
<td>68–69</td>
</tr>
<tr>
<td>E</td>
<td>ABR 16-Month NM Pathway Survey Results</td>
<td>Jay A. Harolds, MD</td>
<td>69–70</td>
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**Friday 1:00–2:30 PM**

Session No. 313 • Allendale A

AUR Radiology Management Program (closed program)

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<th>Room</th>
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<td>A</td>
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<td>Dieter R. Enzmann, MD</td>
<td>71–72</td>
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* Faculty financial disclosures are located in the Faculty Index.*
Wednesday 3:00–4:30 PM

Session No. 316 • International Ballroom I
Education Problem Solving: Trainee and Faculty Well-being
AMA PRA Category 1 Credits™ 1.50

**ED** LM ARLM
David S. Sarkany, MD, Moderator
Ramesh S. Iyer, MD, Moderator

**LEARNING OBJECTIVES**
1) Identify essential management and leadership skills to get you on a course for career success. 2) Discuss how to distinguish the most appropriate venues to which to send your educational papers. 3) Identify the various funding opportunities for educational scholarship efforts. 4) Explain how to design a curriculum or program in radiologic education. 5) Discuss how to perform assessment of and give feedback to radiology trainees.

A. Management and Leadership Skills for Clinician-Educators: How to Get Started on the Ladder to Success
   Alison L. Chetlen, DO

B. Where to Submit Your Educational Manuscripts
   N. Reed Dunnick, MD

C. Funding Opportunities for the Clinician-Educator
   Aine M. Kelly, MD, MS

D. Curriculum or Program Design
   Allison M. Grayev, MD

E. Assessment and Feedback
   Priscilla J. Slanetz, MD, MPH

F. Panel Discussion
   Priscilla J. Slanetz, MD, MPH
   Alison L. Chetlen, DO
   Aine M. Kelly, MD, MS
   N. Reed Dunnick, MD
   Allison M. Grayev, MD

Wednesday 3:00–4:30 PM

Session No. 317 • International Ballroom II–III
Problem Solving for Residents, Program Directors, Coordinators, and Chairs
AMA PRA Category 1 Credits™ 1.50

**ED** LM ARLM
Benjamin L. Triche, MD, Moderator
Matthew P. Kiczek, DO, Moderator
Charles S. Resnik, 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 3:00–5:00 PM

Session No. 318 • Allendale A
AUR Radiology Management Program (closed program)
AMA PRA Category 1 Credits™ 2.00

**ED** LM ARLM
LEARNING OBJECTIVES
1) Explain, 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: Designing the Academic Mission in an Era of Constraints
   Reed A. Omary, MD, MS
   Lori A. Deitte, MD

B. Closing Remarks
C. Program Recognition

Wednesday 4:30–5:00 PM

A^CR^2 Business Meeting and Elections • International Ballroom II–III

Wednesday 4:30–5:00 PM

APDR Business Meeting • Congressional

Wednesday 4:30–5:30 PM

RRA Business Meeting • Olympic B

Wednesday 5:00–5:30 PM

ACER Business Meeting • ChampionsGate

Wednesday 5:30–6:30 PM

AMSER/ACER Reception and Open House • ChampionsGate
(Supported by the American College of Radiology)

* Faculty financial disclosures are located in the Faculty Index.
Thursday, May 10, 2018

Thursday 7:00–8:00 AM

Session No. 400 • National Ballroom C
AIRP Update and Radiology RRC Q&A

LEARNING OBJECTIVES
1) Explain the assessment components of the AIRP 4-week radiologic pathology correlation course. 2) Identify ways that program personnel can support their residents’ engagement in the course. 3) Describe important revisions of the ACGME radiology-specific program requirements. 4) Engage in a lively question-and-answer session with representatives from the ACGME radiology review committee.

A. AIRP Update
Victor Fuentes

A. ACGME Q&A
Felicia Davis
Kate Hatlak

Thursday 7:15–8:30 AM

Session No. 401 • Allendale A
AUR Academic Faculty Development Program (closed program)

LEARNING OBJECTIVES
1) List 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
Richard B. Gunderman, MD, PhD

B. Education in Radiology: Seven Habits for Excellence
Brandon P. Brown, MD, MA

C. Excelling at Research
King C. Li, MD, MBA

Thursday 8:00–9:30 AM

Session No. 402 • Colonial
Academic Success (Interactive Workshop 1) (Preregistration required)

LEARNING OBJECTIVES
1) Identify the causes of promotion setbacks and ways to avoid setbacks. 2) Summarize and apply skills to hold effective crucial conversations. 3) Identify and apply skills to improve networking.

A. Promotion Setbacks
Felix S. Chew, MD, MBA

B. High-Stakes Conversations
Jocelyn D. Chertoff, MD, MS

C. Networking
Ruth C. Carlos, MD, MS

Thursday 8:00–9:30 AM

Session No. 403 • Royal Melbourne
Growth Opportunities (Interactive Workshop 2) (Preregistration required)

LEARNING OBJECTIVES
1) Identify skills to better integrate your mentoring experience into your mentoring efforts. 2) Explain and apply skills to enable an academic career. 3) Identify other skill sets, and discuss how to use these to innovate and personalize your career.

A. The Mentor-Mentee Relationship: Tips and Tricks
Isabel B. Oliva, MD

B. Getting Your Academic Career Started
Puneet Bhargava, MD

C. Finding Your Career Niche
Jessica B. Robbins, MD

Thursday 8:00–9:30 AM

Session No. 404 • Augusta
Best Practices of APCR Membership

LEARNING OBJECTIVES
1) Describe the best practices of APCR members. 2) Discuss how to adapt and incorporate these best practices into management of CCC and PEC meeting organization, interview season, the self-study, resident reviews, resident orientation and onboarding, graduation, and the annual program evaluation. 3) Apply best practices to coordinator work flow.

A. Tracking and Monitoring Interventional Radiology Procedures: A New Web-based Approach
Gloria Jorge

B. CCC Dashboard and Resident Scorecard
Tina M. Rapstine, C-TAGME

C. After the Match
Susan M. McFadden, MS

D. Self-study in 5 Minutes
Joseph Stuckelman, BA

E. Resident Face Sheet for CCC meetings
Basia U. Nowakowski, BA

F. Site Visit in 5 Minutes
Sally A. Jones, BA

G. Using Databases to Track Conference, Scholarly Activity, et Cetera
Frances M. Wolff

H. PEC and APE Best Practices
Katharina Wang

* Faculty financial disclosures are located in the Faculty Index.
Thursday 8:00–9:30 AM

Session No. 405 • Congressional Leadership Track 2: Can We Do Research in Radiology Leadership?  
AMA PRA Category 1 Credits™: 1.50

LEARNING OBJECTIVES
1) Discuss research opportunities in radiology leadership. 2) Describe metrics of leadership. 3) Explain differences between leadership performance and organizational performance.

A. Can We Do Research in Radiology Leadership?  
Carolyn C. Meltzer, MD

B. Leadership: Health Services Research Approach  
Paul P. Cronin, MBBCh

C. Is There a Difference between Leadership Performance and Organizational Performance?  
James V. Rawson, MD

Thursday 8:00–9:30 AM

Session No. 406 • International Ballroom III
Scientific and Health Policy Research: Part 1: Scholar Presentations and Mentoring Program (Supported by the American College of Radiology)  
AMA PRA Category 1 Credits™: 1.50

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  
Rathan M. Subramaniam, MD, PhD, MPH

B. Keynote Address 1: Radiology Leadership 2025: The Lessons Learned  
Jonathan S. Lewin, MD

C. Scholar Presentation 1  
Christopher R. Bailey, MD

D. Scholar Presentation 2  
Patricia Balthazar, MD

E. Scholar Presentation 3  
Kristen Coffey, MD

F. Keynote Address 2: Radiology Research 2025: The Lessons Learned and the Future  
Elizabeth A. Krupinski, PhD
### Thursday 10:00–11:30 AM

**Session No. 409 • Congressional**  
SCARD’s Strategic Focus on Faculty and Leadership  
AMA PRA Category 1 Credits™: 1.50

<table>
<thead>
<tr>
<th>LEARNING OBJECTIVES</th>
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<tbody>
<tr>
<td>1) Explain the basis for a programmatic approach to multiyear societal-driven projects in order to establish effective change.</td>
</tr>
<tr>
<td>2) Describe the magnitude of burnout risk in academics and effective measures to counteract burnout.</td>
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<tr>
<td>3) Discuss several potential definitions for “the academic radiologist” and the contingent means and methods for protecting and developing the same.</td>
</tr>
<tr>
<td>4) Recognize approaches and strategies that may be implemented in order to develop and build future leaders in radiology.</td>
</tr>
</tbody>
</table>

A. **Overview**  
Carolyn C. Meltzer, MD

B. **Burnout**  
Cheri L. Canon, MD

C. **The Academic Radiologist**  
Carolyn C. Meltzer, MD

D. **Building Leaders**  
Neil M. Rofsky, MD

E. **Q&A**

### Thursday 10:00–11:30 AM

**Session No. 410 • Royal Melbourne**  
Presentation Skills and Publication (Interactive Workshop 3)  
(Preregistration required)  
AMA PRA Category 1 Credits™: 1.50

<table>
<thead>
<tr>
<th>LEARNING OBJECTIVES</th>
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<tbody>
<tr>
<td>1) Explain how to create a PowerPoint presentation that invigorates radiology education by using text, graphics, animation, and transitions.</td>
</tr>
<tr>
<td>2) Identify and discuss ways to make your annual review more productive.</td>
</tr>
<tr>
<td>3) Identify and access peer-reviewed proven educational tools.</td>
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</tbody>
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A. **PowerPoint**  
Brent P. Little, MD

B. **Preparing for Your Annual Review**  
Sravanthi Reddy, MD

C. **Converting Your Educational Endeavors into Scholarship:** MedEdPORTAL  
Christopher M. Straus, MD

### Thursday 10:00–11:30 AM

**Session No. 411 • Colonial**  
Design Thinking: Mind-set for Success (Interactive Workshop 4)  
(Preregistration required)  
AMA PRA Category 1 Credits™: 1.50

<table>
<thead>
<tr>
<th>LEARNING OBJECTIVES</th>
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<tbody>
<tr>
<td>1) Describe design thinking and the concept of human-centered design.</td>
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<tr>
<td>2) Discuss ways to use design thinking for creative problem solving.</td>
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<tr>
<td>3) Use the design thinking process to innovate in radiology education.</td>
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</table>

### Thursday 10:00–11:30 AM

**Session No. 412 • AUR Academic Faculty Development Program (closed program)**  
AMA PRA Category 1 Credits™: 1.50

<table>
<thead>
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<tr>
<td>1) List the key missions of an academic radiologist.</td>
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<td>2) Describe strategies for performing well in each of these missions.</td>
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<td>3) Discuss how to develop a personal plan to enhance excellence as an academic radiologist.</td>
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A. **Break-out Session 1**

B. **Break-out Session 2**

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* Faculty financial disclosures are located in the Faculty Index.
Thursday 10:00 AM–12:00 PM

Session No. 414 • Allendale A
ARRALD Program 7 (closed program)
AMA PRA Category 1 Credits™: 2.00

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

A. Leadership: Putting It All Together
James V. Rawson, MD
Ruth C. Carlos, MD, MS

Thursday 10:30–11:30 AM

Session No. 416 • National Ballroom C
Case Review: Breast Imaging; Musculoskeletal Radiology
AMA PRA Category 1 Credit™: 1.00

Michael T. Bayona, MD, Moderator

LEARNING OBJECTIVES
1) Describe common and uncommon cases in breast imaging, highlighting key principles and teaching points. 2) Describe common and uncommon cases in musculoskeletal imaging, highlighting key principles and teaching points.

A. Case Review: Breast Imaging
Colleen H. Neal, MD
B. Case Review: Musculoskeletal Radiology
Omer A. Awan, MD

Thursday 10:00 AM–12:00 PM

Session No. 415 • International Ballroom III
Scientific and Health Policy Research: Part 2: Scholar Presentations and Mentoring Program (Supported by the American College of Radiology)
AMA PRA Category 1 Credits™: 2.00

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. Scholar Presentation 4
Farouk Dako, MD
B. Scholar Presentation 5
Arthur J. Pesch III, MD
C. Scholar Presentation 6
Andreas M. Rauschecker, MD, PhD
D. Keynote Address 3: Radiology Clinical Practice 2015: The Lessons Learned and the Future
Vijay M. Rao, MD
E. Scholar Presentation 7
Brandon L. Roller, MD, PhD
F. Scholar Presentation 8
Devaki Shilpa S, Surasi, MD, MBBS
G. Scholar Presentation 9
Maya Vella, MD
H. Scholar Presentation 10
Kevin Y. Wang, MD
I. Panel Discussion

Thursday 11:30 AM–1:00 PM

Session No. 417 • National Ballroom B
AUR Academic Faculty Development Program (closed program): Lunch and Keynote Address
AMA PRA Category 1 Credits™: 1.50

LEARNING OBJECTIVES
1) List 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. What Really Brings You to Life?
Richard B. Gunderman, MD, PhD

Thursday 12:00–1:30 PM

SCARD Business Meeting and Lunch • Seminole

Thursday 12:15–1:15 PM

Session No. 418 • International Ballroom III
Scientific and Health Policy Research: Lunch and Keynote (Supported by the American College of Radiology)
AMA PRA Category 1 Credit™: 1.00

Rathan M. Subramaniam, MD, PhD, MPH, 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. Radiology 2018: Economic and Political Update
Ezequiel Silva, MD

* Faculty financial disclosures are located in the Faculty Index.
Thursday 1:00–2:30 PM

Session No. 419 • Allendale A
AUR Academic Faculty Development Program (closed program)
AMA PRA Category 1 Credits™: 1.50

LEARNING OBJECTIVES
1) List 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. Ethics and Publishing
Johan G. Blickman, MD, PhD

B. Career Development Awards
Rathan M. Subramaniam, MD, PhD, MPH

C. Service to Radiology Organizations
James A. Brink, MD

Thursday 1:00–3:00 PM

Session No. 420 • Colonial
Teaching Certificate Program
AMA PRA Category 1 Credits™: 2.00

LEARNING OBJECTIVES
1) Describe strategies for academic advancement and promotion of young faculty. 2) List some of the challenges faced by new and experienced PDs, including recruiting new PDs. 3) Describe possible career paths for radiologists with PD experience.

A. Promoting Academic Faculty: Tips from the Promotions Committee
Kitt Shaffer, MD, PhD

B. Junior Faculty Rising Star
Kristen L. Baugnon, MD

C. New Program Director
Kelli J. Andersen, MD

D. Longtime Program Director
Darel E. Heitkamp, MD

E. Life after Program Director
Charles S. Resnik, MD

F. Q&A

Thursday 1:00–3:00 PM

Session No. 421 • National Ballroom C
Case Review: Genitourinary Radiology; Vascular and Interventional Radiology; Gastrointestinal Radiology; Pediatric Radiology
AMA PRA Category 1 Credits™: 2.00

LEARNING OBJECTIVES
1) Describe common and uncommon cases in genitourinary radiology, highlighting key principles and teaching points. 2) Describe common and uncommon cases in vascular and interventional radiology, highlighting key principles and teaching points. 3) Describe common and uncommon cases in gastrointestinal radiology, highlighting key principles and teaching points. 4) Describe common and uncommon cases in pediatric radiology, highlighting key principles and teaching points.

A. Case Review: Genitourinary Radiology
Neil J. Hansen, MD

B. Case Review: Vascular and Interventional Radiology
Bill Majdalany, MD

C. Case Review: Gastrointestinal Radiology
Shane A. Wells, MD

D. Case Review: Pediatric Radiology
Matthew R. Hammer, MD

Thursday 1:15–3:00 PM

Session No. 422 • International Ballroom III
Scientific and Health Policy Research: Part 3: How to Get Started in Comparative Effectiveness Research
(Supported by the American College of Radiology)
AMA PRA Category 1 Credits™: 1.75

LEARNING OBJECTIVES
1) Identify approaches to begin training in comparative effectiveness research. 2) Discuss how to develop strategies for obtaining funding and mentorship in comparative effectiveness research.

A. What Is CER, and Why Is It Vital to the Future of Radiology?
Pina C. Sanelli, MD, MPH

B. How Do I Receive Training and Mentorship in CER?
Yoshimi Anzai, MD, MPH

C. How Do I Get Funding to Get Started Doing CER?
Jeffrey G. Jarvik, MD, MPH

D. Panel Discussion
Yoshimi Anzai, MD, MPH
Pina C. Sanelli, MD, MPH
Jeffrey G. Jarvik, MD, MPH
Stella K. Kang, MD, MSc
Rathan M. Subramaniam, MD, PhD, MPH

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Thursday 1:30–3:00 PM

Session No. 423 • Congressional
SCARD’s Dynamic Road Map for Innovation and Adaptation

AMA PRA Category 1 Credits™: 1.50

LEARNING OBJECTIVES
1) Recognize methods and means for maximizing and harnessing innovation and transformation in radiology. 2) Discuss a range of possibilities where the educational subspecialty future of radiology is concerned. 3) Describe the role of disaster planning in radiology from a practical and strategic perspective. 4) Discuss the role of diversity for radiology, and the methods and means for improving the diversity seen within radiology.

A. Innovation and Transformation  
Reed A. Omary, MD, MS

B. The Educational Subspecialty Future of Radiology  
Michael P. Recht, MD

C. Disaster Planning in Radiology  
James V. Rawson, MD

D. Diversity and Radiology  
Cheri L. Canon, MD

E. Q&A

Thursday 3:00–4:30 PM

Session No. 424 • Allendale A
AUR Academic Faculty Development Program (closed program)

AMA PRA Category 1 Credits™: 1.50

LEARNING OBJECTIVES
1) List 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. Mid Career Roundtable: How to Attain and Maintain Academic Productivity  
Eric J. Stern, MD
Aine M. Kelly, MD, MS

B. Putting It All Together: The Pursuit of Excellence  
Richard B. Gunderman, MD, PhD

Thursday 6:00–7:00 PM

Annual Banquet Cocktail Reception • National Ballroom Foyer

Thursday 7:00–9:00 PM

Annual Banquet and Awards Ceremony • National Ballroom C