

## AUR 54th Annual Meeting Program

Black entry indicates open event; red entry indicates closed event.

(R) indicates programming and events of special interest to residents.

### Wednesday, April 5, 2006

6:30–8:00 AM	<b>Continental Breakfast (all attendees)</b> Location: Salon C	
6:30 AM–4:30 PM	<b>Meeting Registration</b> Location: Governor’s Ballroom Foyer	
6:30 AM–6:00 PM	<b>Speaker Ready Room</b> Location: Room 404	
7:00–8:00 AM	<b>A<sup>3</sup>CR<sup>2</sup> Steering Committee Meeting</b> Location: Room 406	
7:00–8:30 AM	<b>AUR Long-Range Planning Committee Meeting</b> Location: Room 400	
7:00–9:30 AM	<b>APCR Board Meeting</b> Location: Room 401	
8:00 AM–12:00 PM	<b>(R) A<sup>3</sup>CR<sup>2</sup>/RAHSR Critical Thinking Skills Session</b> Location: Salon B “‘Bottom-Up’ Evidence-based Practice: Rules and Tools for Practice-based Learning” Presenters: <i>Dermot E. Malone, MD</i> <i>William Hollingworth, PhD</i> <i>Marie Staunton, MBBCh</i>  Facilitators: <i>Yoshimi Anzai, MD, MPH★</i> <i>C. Craig Blackmore, MD, MPH</i> <i>Ruth C. Carlos, MD, MS</i> <i>Paul P. Cronin, MBBCh</i> <i>Fiona M. Fennessy, MD, PhD★</i> <i>Mukesh G. Harisinghani, MD</i> <i>William Hollingworth, PhD</i> <i>Jeffrey G. Jarvik, MD, MPH★</i>	<span style="border: 1px solid black; padding: 2px;">ED</span> <span style="border: 1px solid black; padding: 2px;">RS</span>
[8:00–8:40 AM]	“Introduction and Overview”	
[8:45–9:10 AM]	“ASK: Think-Pair-Share (TIPS)”	
[9:15–10:30 AM]	“SEARCH”	
[10:30–10:45 AM]	<b>Break</b>	
[10:45 AM–12:00 PM]	<b>“APPRAISE and APPLY”</b>  Learning Objectives: Registrants who attend this three-part workshop should understand: <ol style="list-style-type: none"> <li>1. The paradigm of evidence-based practice (EBP) as it is designed at McMaster University and the NHS Centre for Evidence-Based Medicine, Oxford.</li> <li>2. The stepwise process of McMaster/CEBM EBP, how it can be applied in radiology, and how it relates to other EBP and technology assessment paradigms.</li> </ol>	

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

**WEDNESDAY, APRIL 5, 2006**

3. A specific method to ASK an answerable question, SEARCH for the best current evidence, APPRAISE retrieved literature about diagnostic imaging, and APPLY it to their patient(s) or practice.
4. How to find and use helpful resources for desktop/laptop computers and PDAs.
5. Where these concepts fit into the spectrum of general academic radiology practice activities.

9:00 AM–12:30 PM

**AUR Board of Directors Meeting (luncheon served)**

Location: Room 400

9:30–10:00 AM

**APCR Liaison Committee Meeting**

Location: Room 401

10:00–11:00 AM

**APCR Past Presidents' Meeting**

Location: Room 401

11:00 AM–1:00 PM

**APDR Committee Meetings**

Location: Salon A

12:30–1:00 PM

**Break  
Poster and Exhibit Viewing**

Location: Salon C

1:00–2:30 PM



**SCARD Joint Session**

Location: Salon D-E

“How Do We Teach Emergency Radiology: An Exploration of Different Methods”

Moderator: *Stephen R. Baker, MD*

Faculty: *Hani H. Abujudeh, MD, MBA*

*Charles D. Levine, MD*

*Stuart E. Mirvis, MD*

ED QA

Learning Objectives:

1. To describe the resident educational program in trauma/emergency radiology at the University of Maryland Medical Center Department of Diagnostic Radiology.
2. To discuss controversial aspects of primary resident coverage in emergency radiology.
3. To describe quality assurance mechanisms for resident interpretation/consultation in emergency radiology.

1:00–3:45 PM

**APDR Board of Directors Meeting**

Location: Room 406

2:30–3:30 PM

**AUR Scientific Session 1 (SS01)**

**Chest (Papers 1–6)**

Location: Room 408

Moderators: *Lynn S. Broderick, MD*

*Paul P. Cronin, MD*

CH CT

2:30–3:30 PM

**AUR Scientific Session 2 (SS02)**

**Bone (Papers 7–12)**

Location: Room 410

Moderator: *Felix S. K. Chew, MD, MBA*

MK

2:30–3:30 PM



**A<sup>3</sup>CR<sup>2</sup> Business Meeting**

Location: Room 412

2:30–3:30 PM

**RAHSR Board of Directors Meeting**

Location: Room 403

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

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3:30–4:00 PM	<p><b>Break</b>  <b>Poster and Exhibit Viewing</b>          Location: Salon C</p>	
4:00–5:00 PM	<p><b>AUR Research and Education Foundation Board of Directors Meeting</b>          Location: Room 402</p>	
4:00–5:30 PM	<p><b>(R)</b> <b>A<sup>3</sup>CR<sup>2</sup>/APDR/SCARD/APCR Joint Session</b>          Location: Salon D-E          “Brogdon Panel Discussion: Job Expectations for Chief Residents”          Faculty: <i>John W. Bonnett, MD</i>                    <i>Jeremy L. Friese, MD</i>                    <i>Sharon R. Helmer, MD</i>                    <i>Joan E. Maley, MD</i>                    <i>John D. York, MD</i></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Understand chief residents’ expectations for their job.</li> <li>2. Understand program director’s expectations for the chief resident.</li> <li>3. Address differences between expectations and experience.</li> <li>4. Identify potential strategies to improve the chief resident’s experience from both the program director’s and chief resident’s perspective.</li> </ol>	MA
4:00–6:00 PM	<p><b>RAHSR Colloquium</b>          Location: Room 410          “Gazing Back, Looking Forward: Ten Years of RAHSR”          Moderator: <i>C. Craig Blackmore, MD, MPH</i></p>	HP RS
[4:00–4:40 PM]	<p>“RAHSR’s Beginnings”  <i>Michael J. Pentecost, MD★</i></p>	
[4:40–5:20 PM]	<p>“Health Services Research: Lessons Learned from the Past”  <i>Bruce J. Hillman, MD★</i></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Understand the development of health services research in radiology.</li> <li>2. Appreciate the obstacles that have impeded progress in the field.</li> <li>3. Learn about opportunities to learn methodologies and participate in the field.</li> </ol>	
[5:20–6:00 PM]	<p><b>(FDA)</b> “Looking to the Future: Molecular Imaging Research in the Outcomes Era”  <i>David A. Mankoff, MD, PhD</i></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. To understand the evolution of health services research in radiology.</li> <li>2. To learn how health services research tools have been applied in radiology.</li> <li>3. To learn the potential for application of health services research to emerging technologies in the future.</li> </ol>	
4:00–6:00 PM	<p><b>AUR Scientific Session 3 (SS03)</b>  <b>Resident Education (Papers 13–24)</b>          Location: Room 408          Moderator: <i>Michael J. Shortsleeve, MD</i></p>	ED
6:00–7:00 PM	<p><b>(R)</b> <b>A<sup>3</sup>CR<sup>2</sup>/APDR/SCARD/APCR Beer and Pretzels Reception</b>          Location: Salon A</p>	

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## WEDNESDAY, APRIL 5, 2006

- 6:00–10:00 PM **AUR Board of Directors Dinner (by invitation only)**  
Location: Fleming's Prime Steakhouse and Wine Bar
- 7:00–8:00 PM **APCR Reception**  
Location: Room 400

## Thursday, April 6, 2006

- 6:30–8:00 AM **Continental Breakfast (all attendees)**  
Location: Salon C
- 6:30 AM–4:30 PM **Meeting Registration**  
Location: Governor's Ballroom Foyer
- 6:30 AM–5:00 PM **Poster and Exhibit Viewing**  
Location: Salon C
- 6:30 AM–6:00 PM **Speaker Ready Room**  
Location: Room 404
- 7:00–8:30 AM **(R) A<sup>3</sup>CR<sup>2</sup>/ACR Breakfast Session** HP  
Location: Room 408  
Moderator: *Harvey L. Neiman, MD*
- 7:00–8:30 AM **AMSER Board Meeting**  
Location: Room 401
- 7:00–8:30 AM **RAHSR Open Seminar** RS  
Location: Salon B  
“Works in Progress”  
Moderator: *John Eng, MD*
- [7:00–7:45 AM] “Modeling (Microsimulation)”  
*G. Scott Gazelle, MD, MPH, PhD*★  
  
Learning Objectives:  
1. Understand approaches to and advantages and disadvantages of microsimulation modeling.  
2. Understand different sources of variability and uncertainty in microsimulation modeling.  
3. Understand how a microsimulation model can be used to project the outcomes and costs associated with health care interventions.
- [7:45–8:30 AM] “Cohort Studies”  
*Annette J. Johnson, MD, MS*  
  
Learning Objectives:  
1. Recognize the different types of cohort study design, including prospective, retrospective, and multiple-cohort designs.  
2. Appreciate the strengths and weaknesses of cohort studies.  
3. Identify key issues in planning a cohort study.
- 7:00–8:30 AM **APDR/APCR Breakfast Session** ED MA  
Location: Salon D-E  
“ACGME Update with Discussions and Q&A”  
Moderator: *Spencer B. Gay, MD*★  
Faculty: *Judith S. Armbruster, PhD*  
*Kay H. Vydareny, MD*

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**THURSDAY, APRIL 6, 2006**

	Learning Objective: Be able to identify key objectives in the ACGME site visit.	
7:30 AM–5:30 PM	<b>AUR-Philips Academic Faculty Development Program</b> Location: Room 406	
8:30–10:00 AM	<b>AMSER Business Meeting</b> Location: Room 400	
8:30–10:00 AM	<b>APDR Business Meeting</b> Location: Room 410	
8:30–10:00 AM	<b>RRA Research Symposium</b> Location: Room 412 “Image-guided Therapy” Moderators: <i>King C. P. Li, MD, MBA</i> <i>Lorraine G. Shapeero, MD</i>	VI RS
[8:30–9:00 AM]	“Image-guided Therapy: The IR Suite of the Future” <i>Bradford J. Wood, MD★</i>  Learning Objectives: 1. Acquire an understanding of the multimodality IR suite of the future and its use to improve patient outcomes by utilizing and combining current and potential diagnostic imaging techniques. 2. Learn about the applications of current research initiatives to improve image guidance for interventional procedures.	
[9:00–9:30 AM]	<b>FDA</b> “MR-guided Stem Cell Therapy” <i>Jeff W. M. Bulte, PhD★</i>  Learning Objectives: 1. Realize the potential of stem cell therapy and the need for noninvasive imaging techniques to bring this new paradigm into the clinic. 2. Become familiar with the different approaches that can be used to make stem cells “MR-visible.” 3. Become acquainted with the challenges and limitations of MR cell tracking, and learn about the first clinical trials.	
[9:30–10:00 AM]	“Multidisciplinary Dynamics in Image-guided Therapy” <i>Jonathan S. Lewin, MD★</i>  Learning Objectives: 1. Recognize the complexity of interdepartmental relationships in image-guided therapy. 2. Describe different approaches to creating a successful resolution to interdepartmental relationships in image-guided therapy. 3. Apply frameworks for interdepartmental relationships to their own dynamics in image-guided therapy.	
10:00–10:30 AM	<b>Break</b> <b>Category 1 CME Poster Session</b> Location: Salon C	GN
10:30 AM–12:00 PM	<b>R</b> <b>A<sup>3</sup>CR<sup>2</sup> Problem Solving 1</b> Location: Salon D-E Moderators: <i>Troy C. Avendanio, MD</i> <i>Eric M. Edds, MD★</i>	GN

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## THURSDAY, APRIL 6, 2006

- 10:30 AM–12:00 PM **SNM/APDR Session** NM ED MA  
Location: Salon B  
“ACGME Updates and Site Visit Preparation Tips for Nuclear Medicine Residencies”  
Moderators: *Michael M. Graham, PhD, MD*  
*Tom R. Miller, MD, PhD*  
Faculty: *Judith S. Armbruster, PhD*  
Learning Objectives:  
1. Discuss how to document compliance with program requirements in nuclear medicine.  
2. Discuss how to document compliance with institutional requirements.  
3. Discuss the importance of starting early and involving multiple people in the process of getting ready for a site review.
- 10:30 AM–12:00 PM **AUR Scientific Session 4 (SS04)** GI GU  
**Abdomen (Papers 25–33)**  
Location: Room 408  
Moderators: *Saroja Adusumilli, MD*  
*Deborah A. Baumgarten, MD, MPH*
- 10:30 AM–12:00 PM **ARR Board of Directors Meeting**  
Location: Room 402
- 12:00–2:00 PM **Luncheon, Awards, and Philips Vydareny Imaging Interpretation Competition (Preliminary)**  
Location: Salon F-G  
**Awards** GN  
*AUR Joseph E. and Nancy O. Whitley Award (pages 24, 65)*  
*AUR Memorial Award (pages 27, 65)*  
*AUR Stauffer Awards (page 25)*  
*RRA New Investigator Award (page 27)*  
*GERRAF Fellows (page 28)*
- [1:00–2:00 PM] **(R) Philips Vydareny Imaging Interpretation Competition (Preliminary) (page 32)**  
*Presented by University of Michigan*  
Moderator: *Janet E. Bailey, MD*  
Faculty: *Katherine E. Maturen, MD*  
*John P. Murray, MD*
- 2:00–3:30 PM **APCR Business Meeting**  
Location: Room 412
- 2:00–3:30 PM **(R) RRA/A<sup>3</sup>CR<sup>2</sup>/APDR Research Symposium** MA RS  
Location: Salon D-E  
“Radiology Research Challenges and Their Solutions: Faculty/Trainee Perspectives”  
Moderators: *Norman J. Beauchamp, Jr, MD, MHS★*  
*Jannette Collins, MD, MEd, FCCP*  
*Wilbur L. Smith, Jr, MD*
- [2:00–2:20 PM] “Senior Faculty/Fellow: Harvard University”  
*Steven E. Seltzer, MD★*  
*Fiona M. Fennessy, MD, PhD★*

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**THURSDAY, APRIL 6, 2006**

Learning Objectives:

1. Understand the factors that contribute to a successful research program for fellows.
2. Review extramural funding opportunities for research by trainees.
3. Provide perspectives from a departmental chair and a (former) fellow.

[2:20–2:40 PM]

“Senior Faculty/Resident: Johns Hopkins University”

*Aravind Arepally, MD*  
*Clifford R. Weiss, MD*

[2:40–3:00 PM]

“Senior Faculty/Postdoctoral Student: University of Washington”

*Jeffrey H. Maki, MD, PhD*★  
*Maisie Wang, PhC*★

[3:00–3:20 PM]



“Senior Faculty/Medical Student: Wayne State University”

*Wilbur L. Smith, Jr, MD*  
*Ethan A. Smith, MD*

[3:20–3:30 PM]

Panel Discussion

Learning Objectives:

1. Learn about research challenges from the perspective of the faculty and trainee at different levels of training.
2. Become familiar with some solutions to these challenges for faculty and trainee at the fellowship, postdoctoral, resident, and medical student levels.

3:30–4:00 PM

**Break**

**Category 1 CME Poster Session**



Location: Salon C

4:00–4:30 PM

**RRA Executive Committee Meeting and Advisory Council**

Location: Room 402

4:00–5:30 PM



**A<sup>3</sup>CR<sup>2</sup> Film Panel 1**



Location: Salon D-E

Moderators: *Eric R. Handley, MD*  
*Hilary M. Hochberg, MD*

Learning Objectives:

1. Learn content information regarding specific diseases presented.
2. Practice oral presentation skills.
3. Learn to succinctly present complex medical information.

4:00–5:30 PM

**AMSER Symposium 1**



Location: Room 400

“Integrating Radiology into the Medical School Curriculum”

Moderator: *Kitt Shaffer, MD, PhD*

[4:00–5:00 PM]

“Practicalities of an Integrated Curriculum”

*Petra J. Lewis, MD*  
*Marcia J. McCowin, MD*  
*Kitt Shaffer, MD, PhD*

Learning Objectives

1. To understand how different programs attempt a 4-year integration of radiology into the medical school curriculum.
2. To understand the problems associated with longitudinal integration.

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## THURSDAY, APRIL 6, 2006

[5:00–5:30 PM] “Incorporation of Radiology into the Anatomy Curriculum”  
*Nancy J. McNulty, MD*

Learning Objectives:

1. To understand the benefits of integrating radiology with the teaching of gross anatomy.
2. To see the platform by which it is being done at one academic institution.

4:00–5:30 PM

**APCR Session**

Location: Room 412

Moderator: *Jerri Crook*

ED GN

[4:00–4:30 PM] “The Radiology Library and Changing Media: Where the Future Is Taking Us”  
*Kirsten Fredericks*

[4:30–5:00 PM] “Small Programs/Large Programs: Addressing Similar Problems—Panel Discussion”

Faculty: *Judith K. Amorosa, MD*

*Jennifer L. Apfel, BS*

*Kenneth L. Ford III, MD*

*Mary Ellen Hobler*

*Deborah L. Reede, MD*

[5:00–5:30 PM] “Report on Teaching Physics to Radiology Residents Forum”

Faculty: *Amy Richgels*

*Lois A. Shuman*

4:00–5:30 PM

**AUR Scientific Session 5 (SS05)**

**Neuroradiology (Papers 34–42)**

Location: Room 408

Moderator: *Yoshimi Anzai, MD, MPH★*

NR

4:00–5:30 PM

**AUR Scientific Session 6 (SS06)**

**General (Papers 43–51)**

Location: Room 410

Moderator: *Deborah J. Rubens, MD*

GN

4:00–6:00 PM

**RAHSR Session**

Location: Salon B

“Mentoring”

Faculty: *Elizabeth S. Burnside, MD, MPH, MS*

Learning Objectives:

1. Understand the importance of mentoring in academic radiology.
2. Discuss ways to optimize a mentoring relationship.
3. Recognize the challenges to effective mentoring, such as gender issues, cultural diversities, and generational differences.
4. Develop strategies to incorporate successful mentoring into an academic radiology practice.

PR

4:30–5:00 PM

**RRA Business Meeting**

Location: Room 402

5:30–6:30 PM

**AUR-Philips Academic Faculty Development Program Reception**

Location: Salon A

6:30–8:30 PM

**Ⓡ Welcome Reception (all attendees)**

Location: Driskill Hotel

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



## Friday, April 7, 2006

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6:30–8:00 AM	<b>Continental Breakfast (all attendees)</b> Location: Salon C	
6:30 AM–4:30 PM	<b>Meeting Registration</b> Location: Governor’s Ballroom Foyer	
6:30 AM–5:00 PM	<b>Poster and Exhibit Viewing</b> Location: Salon C	
6:30 AM–6:00 PM	<b>Speaker Ready Room</b> Location: Room 404	
7:00–8:30 AM	<b>(R) A<sup>3</sup>CR<sup>2</sup>/ABR Breakfast Session</b> Location: Salon B “ABR: A Lifetime of Engagement” Moderator: <i>Robert R. Hattery, MD</i>  Learning Objective: Share information and ideas between ABR and chief residents.	GN HP PR
7:00–8:30 AM	<b>RAHSR Breakfast and Business Meeting</b> Location: Room 408	
7:00–8:30 AM	<b>SCARD Board of Directors Meeting</b> Location: Room 403	
7:00–8:30 AM	<b>APDR/APCR Breakfast Session</b> Location: Room 410 “Introduction to Medical Education Research” Moderator: <i>Jannette Collins, MD, MEd, FCCP</i>	ED RS
[7:00–7:30 AM]	“What Is Medical Education Research?” <i>Larry D. Gruppen, PhD</i>  Learning Objectives: 1. Identify opportunities for educational research in daily practice. 2. Refine these into researchable questions by following basic guidelines for quality research in medical education.	
[7:30–8:00 AM]	“Challenges in Medical Education Research” <i>Jan D. Carline, PhD</i>  Learning Objectives: 1. Identify challenges to conducting medical education research, such as lack of control groups and restricted funding. 2. Identify opportunities to conduct medical education research with limited funding resources. 3. Identify potential journals and meetings in which to publish and contribute to the profession.	
[8:00–8:15 AM]	“Building and Sustaining a Departmental Resident Research Program: Emphasis on Medical Education Research” <i>Christopher D. Cook, MD</i>  Learning Objectives: 1. Provide a resident’s perspective concerning radiology research, especially as pertains to medical education. 2. Discuss the development of educational Web sites. 3. Assess the efficacy of these Web sites.	

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**FRIDAY, APRIL 7, 2006**

[8:15–8:30 AM]

Questions and Discussion

7:30–8:30 AM

**RRA Liaison Committee Meeting**

Location: Room 402

7:30 AM–5:30 PM

**AUR-Kodak Radiology Management Program**

Location: Room 406

8:30–10:00 AM



**A<sup>3</sup>CR<sup>2</sup> Discussion**

Location: Salon B

“Management Skills for Chief Residents”

Moderator: *Wilbur L. Smith, Jr, MD*



8:30–10:00 AM

**APDR/AUR/SCARD/A<sup>3</sup>CR<sup>2</sup>/APCR Joint Session**

Location: Salon D-E

“Building the Infrastructure for Medical Education Research: Part 1”

Moderator: *Michael J. Shortsleeve, MD*



[8:30–9:00 AM]

“Faculty Development: Growing a Critical Mass of Medical Education Researchers”

*Larry D. Gruppen, PhD*

Learning Objectives:

1. Consider the benefits of a community of educational scholars and how this community can be nurtured through faculty development efforts.
2. Evaluate the similarities and differences between skill-focused faculty development and more intensive faculty development for medical education researchers.

[9:00–9:20 AM]

“Radiology Resident Research: RRC Requirements and Current Program Practices”

*Kay H. Vydareny, MD*

Learning Objectives:

1. Know the requirements for resident participation in research, as stated in the Diagnostic Radiology Program Requirements.
2. Know the frequency of citations for lack of adherence to these requirements.

[9:20–9:40 AM]

“Who Is Responsible for the Resident Research Program: Program Director? Vice Chair of Research? Faculty?”

*James H. Thrall, MD*★

[9:40–10:00 AM]

Questions and Discussion

8:30–10:00 AM

**GERRAF Breakfast Session**

Location: Room 412

8:30–10:15 AM

**RSNA Introduction to Grantsmanship Workshop: Part 1**

Location: Room 400

Moderator: *G. Scott Gazelle, MD, MPH, PhD*★

*Session open on a space-available basis. See page 31 for program description.*



[8:45–9:15 AM]

“From the Unfunded to the Funded Radiology Investigator”

*G. Scott Gazelle, MD, MPH, PhD*★

[9:15–10:15 AM]

“NIH Perspective: Access and Process”

*David T. George, PhD*

10:00–10:30 AM

**Break**

**Category 1 CME Poster Session**

Location: Salon C



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10:30 AM–12:00 PM	<b>RSNA Introduction to Grantsmanship Workshop: Part 2</b>	<b>RS</b>
	Location: Room 400 Moderator: <i>G. Scott Gazelle, MD, MPH, PhD</i> ★	
	<i>Session open on a space-available basis. See page 31 for program description.</i>	
[10:30–11:00 AM]	“Protocol Development for Clinical Research and Insight from a Study Section Member” <i>Etta D. Pisano, MD</i>	
[11:00–11:30 AM]	“Protocol Development of Outcomes and Cost-Effectiveness Analysis” <i>G. Scott Gazelle, MD, MPH, PhD</i> ★	
[11:30 AM–12:00 PM]	“Protocol Development for Laboratory Research” <i>King C. P. Li, MD, MBA</i>	
10:30 AM–12:00 PM	<b>(R) APDR/AUR/SCARD/A<sup>3</sup>CR<sup>2</sup>/APCR Joint Session</b>	<b>ED MA RS</b>
	Location: Salon D-E “Building the Infrastructure for Medical Education Research: Part 2” Moderator: <i>Duane G. Mezwa, MD</i>	
[10:30–11:15 AM]	“ACR Annual Lecture: Visiting the Idea of a National Center for Health Professions Education Research” <i>Jan D. Carline, PhD</i>	
[11:15 AM–12:00 PM]	“Current Status of Medical Education Research: Successful Institutional Programs and the New AAMC Medical Education Research Certificate” <i>Larry D. Gruppen, PhD</i>	
	Learning Objective: Learn about the purpose, target audiences, curriculum, and structure of a national-level faculty development program in educational research sponsored by the Association of American Medical Colleges.	
10:30 AM–12:00 PM	<b>AUR Editorial Executive Committee and Deputy Editors Meeting</b>	
	Location: Room 403	
12:00–1:30 PM	<b>Lunch on Your Own</b>	
12:00–1:30 PM	<b>(R) SNM Session Luncheon (by invitation only)</b>	<b>HN CT NM RS</b>
	Location: Salon D-E Moderator: <i>Jay A. Harolds, MD</i>	
[12:00–12:30 PM]	“Survey Needs Assessment” <i>Heather Jacene, MD</i>	
	Learning Objectives: 1. Identify the needs/expectations of the radiology resident rotating through nuclear medicine. 2. Be able to utilize the survey information to improve the nuclear medicine experience.	
[12:30–1:15 PM]	“PET/CT of the Neck” <i>Michael M. Graham, PhD, MD</i>	
	Learning Objectives: 1. Recognize the appearance of normal structures of the head and neck in FDG PET/CT studies.	

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2. Recognize the appearance and location of common tumors of the head and neck in FDG PET/CT studies.
3. Learn the nodal stations in the head and neck and the appearance of nodal metastases as seen in FDG PET/CT imaging.

12:00–1:30 PM

**SCARD Business Meeting and Luncheon**

Location: Room 408

1:30–2:00 PM

**AMSER/APDR Session**

Location: Room 410

“What Do Program Directors Look for in Interviewing Students?”

Moderator: *Petra J. Lewis, MD*

Faculty: *Jocelyn D. Chertoff, MD*

Learning Objectives:

1. Understand, from the perspective of a radiology residency director, what attributes, both on an application and at interview, make a student candidate attractive to a program.
2. Give student mentors and clerkship directors guidance in advising students how to improve their applications and interview skills.

1:30–3:30 PM

**SCARD Session**

Location: Salon B

“How Do We Acculturate Our Residents to the Specialty of Radiology?”

Moderator: *Stephen R. Baker, MD*

Faculty: *Shirley Hanna, MD*

*Basil Hubbi, MD*

*Otha W. Linton, MS*

*William R. Poller, MD*

2:00–3:30 PM



**A<sup>3</sup>CR<sup>2</sup> Problem Solving 2**

Location: Room 412

Moderators: *Troy C. Avendanio, MD*

*Eric M. Edds, MD★*

2:00–3:30 PM

**AMSER/APDR Joint Session: Electronic Education Exhibits**

*Electronic exhibits selected from submitted abstracts*

Location: Salon A

2:00–3:30 PM

**APCR Session**

Location: Room 410

Moderator: *Lois A. Shuman*

[2:00–2:20 PM]

“What the Coordinator Expects from the Program Director”

*Ralene Coble*

Learning Objectives:

1. Learn the necessity of a stable alliance between the program director and the program coordinator.
2. Appreciate the necessity for complete understanding between two people who manage and share some of the complex administration of a residency program.
3. Understand the real meaning of “sharing the burden” and “two heads are better than one.”

[2:20–2:40 PM]

“ACR In-Training Examination”

*Lawrence P. Davis, MD*

[2:40–3:30 PM]

“Roundtable Discussion” (with preselected topics)

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

**FRIDAY, APRIL 7, 2006**

3:30–4:00 PM	<b>AUR Development Committee Meeting</b> Location: Room 403	
3:30–4:00 PM	<b>Break</b> <b>Category 1 CME Poster Session</b> Location: Salon C	GN
4:00–5:00 PM	<b>SCARD Session</b> Location: Salon B “Radiology and Pathology in the 21st Century: Is the AFIP the Only Model?” Moderator: <i>Stephen R. Baker, MD</i> Faculty: <i>Stephen R. Baker, MD</i> <i>Laurie L. Fajardo, MD</i> <i>Mark D. Murphey, MD</i> <i>Harvey L. Neiman, MD</i>	ED GN
4:00–5:30 PM	<b>R</b> <b>A<sup>3</sup>CR<sup>2</sup> Discussion</b> Location: Room 412 “Solution Development” Moderator: <i>Wilbur L. Smith, Jr, MD</i>	QA
4:00–5:30 PM	<b>AMSER Symposium 2</b> Location: Room 410 “Copyright and HIPAA Issues” Moderator: <i>James J. Choi, MD</i>	HP
[4:00–5:10 PM]	“Copyright Issues in Radiology Education” <i>Kenneth D. Crews, JD, PhD</i>  Learning Objectives: 1. To understand that copyright law protects nearly all recent writings, images, sound recordings, and other works that we may use in education. 2. To learn how to apply fundamental concepts of fair use to the proper use of copyrighted works for educational purposes. 3. To appreciate that the law and technology are changing rapidly, requiring steady reevaluation of educational programs.	
[5:10–5:30 PM]	“Patient Privacy as a Factor in Education” <i>Beverly P. Wood, MD, MEd, PhD</i>  Learning Objectives: 1. Develop methods of teaching students the importance and meaning of protecting patient privacy. 2. Model privacy practices. 3. Utilize teaching materials that are designed for patient privacy.	
4:00–5:30 PM	<b>APDR/APCR Joint Session</b> Location: Salon D-E “Advancing Radiology Medical Education Research” Moderator: <i>Lawrence P. Davis, MD</i>	ED RS
[4:00–4:15 PM]	“Collaborative RSNA/AUR/SCARD/APDR Grants and Other Sources of Funding” <i>Jannette Collins, MD, MEd, FCCP</i>  Learning Objective: Describe the medical education research grants available to radiologists and radiology departments.	

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## FRIDAY, APRIL 7, 2006

- [4:15–4:30 PM] “Faculty Development in Educational Research”  
*Beverly P. Wood, MD, MEd, PhD*
- Learning Objectives:
1. Identify the components of a program of research in education.
  2. Guide educational research initiatives.
- [4:30–4:45 PM] “Involving Residents and Medical Students in Radiology Education Research”  
*Felix S. K. Chew, MD, MBA*
- [4:45–5:00 PM] “Needed Areas of Investigation in Medical Education Research”  
*Richard B. Gunderman, MD, PhD*
- Learning Objectives:
1. Understand the importance of educational research to educational practice.
  2. Identify promising areas of research in medical education.
  3. Develop strategies for investigation in these areas.
- [5:00–5:15 PM] “Competencies and Radiology Education Outcomes Research”  
*Kimberly E. Applegate, MD, MS*
- Learning Objective:  
Understand potential research methods to explore outcomes in educational interventions (for radiology).
- [5:15–5:30 PM] Questions and Discussion
- 5:30–6:45 PM **AUR 2007 Program Planning Committee Meeting**  
Location: Room 400
- 6:30–10:00 PM **AUR-Kodak Radiology Management Program Dinner**  
Location: Salon A
- 7:00–10:00 PM **APDR Past Presidents’ Dinner (by invitation only)**  
Location: Roaring Fork

## Saturday, April 8, 2006

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- 6:30–8:00 AM **Continental Breakfast (all attendees)**  
Location: Salon C
- 6:30 AM–4:00 PM **Poster and Exhibit Viewing**  
Location: Salon C
- 6:30 AM–4:00 PM **Speaker Ready Room**  
Location: Room 404
- 6:30 AM–4:30 PM **Meeting Registration**  
Location: Governor’s Ballroom Foyer
- 7:00–8:30 AM **AMSER Breakfast Seminar**  
Location: Room 408  
Moderator: *Petra J. Lewis, MD*
- [7:00–7:20 AM] “Hank Goldberg and Beyond”  
*Marcia J. McCowin, MD*
- [7:20–7:50 AM] “Create Your Own Web Teaching Server (for Free)”  
*James J. Choi, MD*



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**SATURDAY, APRIL 8, 2006**

- [7:50–8:30 AM] “Problem-solving Session”  
*Audience participation*
- Learning Objective:  
The audience is invited to discuss specific problems that they may be facing in running a radiology student clerkship or elective with other members of AMSER/AUR.
- 7:00–8:30 am **(R)** **APDR/SNM Breakfast Session** NM ED HP  
Location: Salon D-E  
“Changes in NRC and RRC Requirements for Nuclear Medicine: Implications for Training and Board Certification”  
Moderator: *Jay A. Harolds, MD*
- [7:05–7:20 AM] “History of NRC Regulations”  
*Alan H. Maurer, MD*
- [7:20–7:35 AM] “Nuclear Medicine Review Committee of the ACGME and American Board of Nuclear Medicine”  
*Tom R. Miller, MD, PhD*★
- [7:35–7:50 AM] “American Board of Radiology”  
*Philip O. Alderson, MD*
- [7:50–8:05 AM] “Radiology Review Committee of the ACGME”  
*Kay H. Vydareny, MD*
- [8:05–8:20 AM] “ACR”  
*Milton J. Guiberteau, MD*
- [8:20–8:30 AM] Questions and Discussion
- Learning Objectives:
1. List the primary functions of the Nuclear Medicine Residency Review Committee (RRC).
  2. Describe the relationship of the RRC to the American Board of Nuclear Medicine (ABNM).
  3. List the primary functions of the ABNM.
  4. Describe the relationship of the ABNM to the American Board of Medical Specialties (ABMS).
  5. List the six competencies mandated by the Accreditation Council for Graduate Medical Education (ACGME).
  6. List the components of the maintenance of certification (MOC) process mandated by the ABMS.
  7. Understand the historical basis of the NRC.
  8. Understand the positions of the ACGME Nuclear Medicine and Radiology RRCs, ABNM, ABR, and ACR in regard to the new NRC requirements.
  9. Understand the need to accommodate changes in the nuclear medicine training experience.
  10. Understand the impact of the new training requirements in board eligibility for certification.
- 7:30 AM–5:30 PM **AUR-Kodak Radiology Management Program**
- Location: Salon A
- 8:30–10:00 AM **(R)** **A<sup>3</sup>CR<sup>2</sup> Film Panel 2** GN  
Location: Room 412  
Moderators: *Eric R. Handley, MD*  
*Hilary M. Hochberg, MD*
- Learning Objectives:
1. Learn content information regarding specific diseases presented.

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**SATURDAY, APRIL 8, 2006**

	<ol style="list-style-type: none"><li>2. Practice oral presentation skills.</li><li>3. Learn to succinctly present complex medical information.</li></ol>	
8:30–10:00 AM	<b>AMSER Symposium 3</b> Location: Room 410 “Students and Careers” Moderator: <i>Robert A. Novelline, MD</i>	ED
[8:30–9:00 AM]	“Gender Issues in Students’ Career Choices: How to Encourage Women to Apply to Radiology” <i>Kimberly E. Applegate, MD, MS</i>	
[9:00–9:30 AM]	“Education in the Era of Voice Recognition and PACS” <i>Mark E. Mullins, MD, PhD</i>	
	Learning Objectives: <ol style="list-style-type: none"><li>1. To review the benefits and challenges of teaching while performing clinical work with (a) voice recognition (VR) and (b) PACS.</li><li>2. To discuss the digital department as it relates to teaching.</li><li>3. To discuss attendees’ and the speaker’s experiences with problems and potential solutions as they pertain to VR and PACS teaching and clinical work-related instruction.</li></ol>	
[9:30–10:00 AM]	“Getting Promotion through Teaching: Building Your Portfolio” <i>Robert A. Novelline, MD</i>	
	Learning Objectives: <ol style="list-style-type: none"><li>1. Describe the components and organization of a teaching portfolio.</li><li>2. Review teaching activities that should be documented for promotion.</li><li>3. Review methods for initiating the promotional process.</li></ol>	
8:30–10:00 am	<b>R</b> <b>RRA Symposium</b> Location: Room 400 “Young Investigators’ Research Opportunities at the NIH and in Professional Societies” Moderators: <i>William G. Bradley, Jr, MD, PhD</i> <i>James H. Thrall, MD★</i>	HP RS
	<i>Syllabus on the research opportunities at NIH and in radiologic and radiologic science societies and radiologic subspecialties for both young and experienced investigators will be distributed.</i>	
[8:30–8:40 AM]	“Research Initiatives at NIBIB” <i>Donald P. Harrington, MD</i>	
[8:40–8:50 AM]	“Research Initiatives at NCI” <i>Gary S. Dorfman, MD</i>	
[8:50–9:00 AM]	“Research Initiatives at the Academy of Radiology Research” <i>N. Reed Dunnick, MD</i>	
	Learning Objectives: <ol style="list-style-type: none"><li>1. Appreciate the importance of radiology research.</li><li>2. Understand how the academy is increasing funding available for imaging research.</li></ol>	
[9:00–9:10 AM]	“Research Initiatives in Nuclear Medicine” <i>Philip O. Alderson, MD</i>	
[9:10–9:20 AM]	“Research Initiatives at RSNA” <i>G. Scott Gazelle, MD, MPH, PhD★</i>	

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**SATURDAY, APRIL 8, 2006**

[9:20–9:30 AM]	“Research Initiatives at ARRS” <i>Norman J. Beauchamp, Jr, MD, MHS</i> ★	
[9:30–9:40 AM]	“Research Initiatives at ACRIN” <i>Bruce J. Hillman, MD</i> ★	
[9:40–9:50 AM]	“Research Initiatives: ISMRM” <i>J. Paul Finn, MD</i> ★	
[9:50–10:00 AM]	“Research Initiatives: AIMBE” <i>Thomas R. Harris, MD, PhD</i>	
	Questions and Discussion	
	Learning Objectives of Symposium and Syllabus:	
	1. Describe the research opportunities available at the NIH (NCI and NIBIB).	
	2. Describe the research opportunities available in national and international radiologic and radiologic science societies and radiologic subspecialties.	
8:30–10:00 AM	<b>APDR/APCR Joint Session</b> Location: Salon D-E “Teaching and Learning the Competencies” Moderator: <i>Charles S. Resnik, MD</i>	ED PR
[ 8:30–8:50 AM]	“Teaching and Learning Professionalism” <i>Steven E. Seltzer, MD</i> ★	
	Learning Objectives:	
	1. Understand the components of a curriculum on professionalism for radiology residents.	
	2. Hear an analysis of the most effective ways to communicate the concepts to trainees.	
[8:50–9:10 AM]	“Teaching and Learning Ethics” <i>Richard B. Gunderman, MD, PhD</i>	
	Learning Objectives:	
	1. Understand the importance of ethics to radiology.	
	2. Identify strategies for ethics teaching.	
	3. Clarify ways ethics will shape the future work of radiology learners.	
[9:10–9:40 AM]	“Teaching and Learning Systems-based Practice” <i>Pablo R. Ros, MD, MPH</i>	
[9:40–10:00 AM]	Questions and Discussion	
10:00–10:30 AM	<b>Break</b> <b>Poster and Exhibit Viewing</b> Location: Salon C	
10:30 AM–12:00 PM	<b>(R) A<sup>3</sup>CR<sup>2</sup> Discussion</b> Location: Room 412 “Oral Examination Techniques” Moderators: <i>Cristie Becker, MD</i> <i>Duane G. Mezwa, MD</i>	ED GN
10:30 AM–12:00 PM	<b>RAHSR Scientific Session 7 (SS07)</b> <b>RAHSR/Health Services (Papers 52–57)</b> Location: Room 408 Moderators: <i>Ruth C. Carlos, MD, MS</i> <i>Janie M. Lee, MD, MS</i> ★	HP

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## SATURDAY, APRIL 8, 2006

10:30 AM–12:00 PM	<b>AUR-E Session</b> Location: Room 410 Speakers: <i>Johan G. Blickman, MD, PhD</i> <i>Jarl A. Jakobsen, MD, PhD, MHA</i>	GN
[10:30–11:15 AM]	“New Developments in Teleradiology in Europe”	
[11:15 AM–12:00 PM]	“EU-wide Radiology Residency Issues”	
10:30 AM–12:00 PM	<b>APDR/APCR Joint Session</b> Location: Salon D-E “Measuring the Competencies: New RRC Requirements” Moderator: <i>Charles F. Lanzieri, MD</i>	HP MA
[10:30–10:45 AM]	“Development and Utilization of a 360° Evaluation” <i>Duane G. Mezwa, MD</i>	
[10:45–11:05 AM]	“Resident Portfolios as Part of Assessment” <i>Beverly P. Wood, MD, MSED, PhD</i>  Learning Objectives: 1. Incorporate performance measures into a portfolio. 2. Plan assessment and evaluation based on portfolio content.	
[11:05–11:20 AM]	“Incorporating an OSCE into the Evaluation Process” <i>Richard B. Gunderman, MD, PhD</i>  Learning Objectives: 1. Understand the elements of an OSCE. 2. Identify the strengths and weaknesses of an OSCE as an evaluation tool. 3. Develop strategies for using OSCEs.	
[11:20–11:40 AM]	“Electronic Global Evaluations” <i>Robert D. Tarver, MD</i>	
[11:40 AM–12:00 PM]	Questions and Discussion	
12:00–2:00 PM	<b>Luncheon and AUR Business Meeting</b> Location: Salon F-G	
[1:00–2:00 PM]	<b>(R) Philips Vydareny Imaging Interpretation Competition (Finals)</b> <i>Presented by University of Michigan</i> Moderator: <i>Janet E. Bailey, MD</i> Faculty: <i>Katherine E. Maturen, MD</i> <i>John P. Murray, MD</i>	GN
2:00–3:00 PM	<b>SNM Session</b> Location: Room 400 “Panel Discussion on the Future of Nuclear Medicine Training” Moderator: <i>Alan H. Maurer, MD</i>  Learning Objective: Discuss the importance of training nuclear medicine residents in CT and MR.	NM ED

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**SATURDAY, APRIL 8, 2006**

2:00–3:30 PM



**AMSER Medical Education Workshop**

ED MA

Location: Room 412

“Different Ways to Skin a Fish: How Clerkships Can Be Structured—Panel Discussion”

Moderator: *Kitt Shaffer, MD, PhD*

Panelists: *Judith K. Amorosa, MD*

*Joshua A. Becker, MD*

*Petra J. Lewis, MD*

*Donna Magid, MD, MEd*

*Janet A. Neutze, MD*

*Robert A. Novelline, MD★*

Learning Objectives:

1. Demonstrate the diversity of radiology clerkship/elective structuring.
2. Demonstrate how a radiology curriculum can be modified, depending on resources and student enrollment.
3. Demonstrate different methods and techniques of incorporating didactic and hands-on teaching.
4. Demonstrate possible solutions to scheduling and organizational problems.

2:00–3:30 pm



**APDR/APCR/A<sup>3</sup>CR<sup>2</sup> Roundtable**

GN MA

Location: Salon B

“Discussion of A<sup>3</sup>CR<sup>2</sup> Problem-solving Issues”

Moderators: *Charles S. Resnik, MD*

*Wilbur L. Smith, Jr, MD*

Learning Objectives:

1. To present the results of the chief residents’ problem-solving sessions.
2. To have small-group discussions aimed at solving stated problems.
3. To present small-group solutions to all participants.
4. To formulate an overall problem-solving action plan.

2:00–3:30 PM

**AUR Scientific Session 8 (SS08)  
Resident Education (Papers 58–66)**

ED

Location: Room 408

Moderators: *Janet E. Bailey, MD*

*Robert D. Tarver, MD*

2:00–3:30 PM

**GERRAF Mini-Retreat (RAHSR Joint Session)**

RS

Location: Room 410

Moderator: *Ronald L. Arenson, MD*

*Presentation of GERRAF Fellows’ projects, with a roundtable discussion critique. Format is similar to the annual GERRAF mentorship retreat. Presentations are supported in part by the GE-AUR Radiology Research Academic Fellowship (GERRAF) grant.*

**2004 Fellows**

*J. Paul Jacobson, MD★*

“Minimally Invasive Treatment of Painful Osteoporotic Vertebral Compression Fractures: A Trial to Compare Outcomes in Patients Undergoing Kyphoplasty versus Vertebroplasty”

*Pina C. Sanelli, MD★*

“CT Perfusion Used to Evaluate Vasospasm Following Aneurysmal Subarachnoid Hemorrhage”

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**SATURDAY, APRIL 8, 2006**

**2005 Fellows**

*Fiona M. Fennessy, MD, PhD*★

“One Year Following MR-guided Focused Ultrasound Surgery: Assessment of an Emerging Technology”

*Aine M. Kelly, MD, MS*★

“Cost-effectiveness of Coronary Artery CT Angiography versus Catheter Angiography”

*Geetika Khanna, MD*★

“<sup>111</sup>In-DTPA-Pentetreotide Imaging for Diagnosis and Posttherapy Surveillance of Pediatric Central Nervous System Tumors”

*Janie M. Lee, MD, MS*★

“Cost-effectiveness of MR Imaging for Breast Cancer Surveillance in *BRCA* Gene Mutation Carriers”

3:00–4:00 PM

**SNM Session**

PR

Location: Room 400

“The Ins of Interviews: Tips and Observations”

Moderator: *Darlene F. Metter, MD*

Faculty: *Judith K. Amorosa, MD*

*Beverly P. Wood, MD, MEd, PhD*

Learning Objectives: At the completion of this session, learners will be able to:

1. Prepare themselves for an interview.
2. Convey their ideas with clarity.
3. Formulate questions.
4. Attain verbal and body language that convinces.
5. Assume the role of interviewer or interviewee with poise.

3:30–4:00 PM

**Break**

**Poster and Exhibit Viewing**

Location: Salon C

3:45–5:15 PM



**A<sup>3</sup>CR<sup>2</sup> Business Meeting**

Location: Room 410

4:00–5:30 PM

**APCR Business Meeting**

Location: Room 412

4:00–5:30 PM

**AUR Scientific Session 9 (SS09)**

**Medical Student Education (Papers 67–75)**

Location: Room 408

Moderators: *Donna Magid, MD, MEd*

*Kitt Shaffer, MD, PhD*

ED

4:00–5:30 PM

**SNM Academic Council Meeting**

Location: Room 402

6:30–7:30 PM

**Annual Banquet Cocktail Reception**

Location: Salon D-E

7:30–11:00 PM

**Annual Banquet and Awards Ceremony**

Location: Salon A-C

Meeting concludes.

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