

2016 Annual Report Research Development Committee

The Research Development Committee (RDC), chaired by Mitchell Schnall, MD, PhD, continues to pursue its initiatives to improve the quality and quantity of radiology research, enhance participation of radiologists in research, and advise the RSNA Board of Directors about priorities for and RSNA programs in imaging science and research. Following is a summary of its activities in 2016.

2016 Research Development Courses

The RDC organized the following research development and grant-writing workshops:

<i>PROGRAM</i>	<i>STUDENT # (2016)</i>	<i>Program Duration and Location</i>
<i>Clinical Trials Methodology Workshop</i>	30	6½-day workshop in La Jolla, CA, January 2016
<i>Writing a Competitive Grant Proposal</i>	33	1½-day workshop at RSNA Headquarters, March 2015
<i>Advanced Course in Grant Writing</i>	15	Four-weekend course September 2015 - May 2016 at RSNA Headquarters
<i>RSNA/ASNR Comparative Effectiveness Research Program</i>	10	Yearlong multi-component program, including 1½-day workshop at RSNA Headquarters
<i>Introduction to Academic Radiology</i>	50	4½-day seminar at RSNA Annual Meeting
<i>NIH Grantsmanship Workshop</i>	50*	½-day workshop at RSNA Annual Meeting
<i>RSNA/ARR Study Section Workshop</i>	8*	½-day workshop at RSNA Annual Meeting

*anticipated numbers, based on past attendance

Other RDC Activities:

Expansion of the ITAR Program: Introduction to Academic Radiology for Scientists (ITARSc):

As a result of discussions with the Committee on Scientific Affairs (CSA) regarding engagement of basic scientists, the ITARSc is being offered for the first time at RSNA 2016, targeting postdoctoral fellows and young PhD researchers in the imaging sciences. Eight participants were selected from more than 50 applicants. The group will spend the majority of their program time with the ITAR class, but will have some dedicated sessions with topics tailored to basic scientists.

Vice Chairs of Research (VC)

The VC group, under the leadership of Elizabeth Krupinski, PhD and James Carr, MD, held in-person meetings at RSNA 2015 and the AUR 2016 meeting in San Diego, California. The San Diego meeting was designed as a half-day workshop and included a panel discussion by chairs

responding to pre-submitted topics/questions as well as presentations from ACR and Radiology Research Alliance representatives.

Creating and Optimizing the Research Enterprise (CORE) Workshop

Planning has begun for the 2017 CORE workshop, which will take place October 20 – 21, 2017 at RSNA headquarters. This biennial workshop focuses on faculty development and organizational models to optimize funding success. The planning committee, led by Dr. Mitchell Schnall, is proposing to incorporate sessions on Developing Health Services Research and Imaging Research Entrepreneurship.

High Impact Clinical Trials Session at RSNA 2016

This session was developed as result of a recommendation from the RDC to showcase results from major, clinically significant imaging research. Three abstracts were selected by the review committee for this special 90-minute session. Subject matter experts were invited to lead the discussions:

- *Impact of Repeat Injections on Outcomes Following Epidural Injection of Either Corticosteroid and Lidocaine Versus Lidocaine Alone—Jeffrey Jarvik, MD, MPH* (Discussant: David F. Kallmes, MD)
- *A Randomized Trial Comparing Coronary Computed Tomography Angiography and Stress Echocardiography in Low-to-Intermediate Risk Emergency Department Patients with Chest Pain—Jeffrey M. Levsky, MD, PhD* (Discussant: Fabian Bamberg, MD, MPH)
- *Myometric Data Derived from Routine CT Examinations Predict Adverse Post-extubation Outcomes in Critically Ill Patients—Florian, J. Fintelmann, MD* (Discussant :Maurice, Joyce, MD)

RDC Workgroups

RDC workgroups are continuing to discuss areas of special interest, including program metrics and evaluation, developing roadmaps for research training, and possible collaborations with clinical oncologists.

The RDC is grateful to all its members and many volunteers who have contributed to the success of its programs.

Respectfully submitted,

Mitchell D. Schnall, MD, PhD
Chair