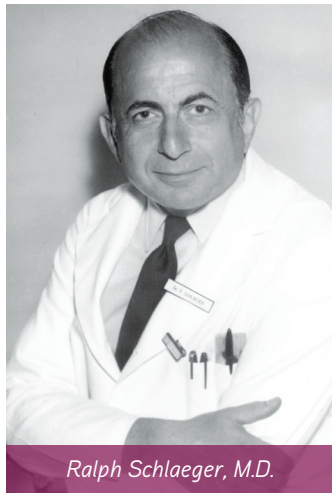


\$1.5 Million Bequest Creates Endowment for Radiology Research

Known by colleagues as a “doctor’s doctor,” Ralph Schlaeger, M.D., was esteemed for his straightforward manner and his preference for face-to-face communication. A \$1.5 million donation from the Ralph Schlaeger Charitable Foundation to the RSNA R&E Foundation will enable new discoveries, innovations and learning for years to come.

“Ralph was extremely well-respected,” said colleague Philip O. Alderson, M.D., former chair of radiology at Columbia University in New York, where Dr. Schlaeger served as an associate professor at the College of Physicians and Surgeons for 51 years. “He always took the time for courteous consultation, which is too often missing from healthcare practices today.”



Ralph Schlaeger, M.D.

Dr. Schlaeger, a 50-year RSNA member, specialized in gastrointestinal radiology. He practiced as an associate attending radiologist at New York’s Presbyterian Hospital. Trained in the era of plain films and barium imaging, he published several seminal articles on gastrointestinal applications and a classic text on juvenile rheumatoid arthritis.

Pulmonologist Kenneth Prager, M.D., spoke warmly of his encounters with Dr. Schlaeger as a young clinician. “Dr. Schlaeger demanded as much of the clinicians who reviewed his x-rays as he did of himself in interpreting the films,” said Dr. Prager. “He would put up all the x-rays, review them silently and quickly

give his conclusion, pointing out with a wave of his hand and with the élan of an artist, subtle changes that often spoke to the heart of the matter.”

In addition to professional dedication, Dr. Schlaeger had more than passing interest in the arts, said Columbia Presbyterian colleague Frieda Feldman, M.D., “not only evidenced by his knowledge of painting and classic literature, but by one always present, surprisingly dazzling bow tie, which he wore

Dr. Schlaeger’s gift will be a lasting tribute to his passion for radiology and his service to the profession, securing protected time for discovering new ways to fight disease and improve patient care.

with great aplomb and, to be sure, was always hand-tied!”

Leaving a planned gift to the RSNA Research & Education Foundation lets donors and their families reap financial benefits and helps bring bright ideas to practice.

Learn how you can leave a legacy at RSNA.org/PlannedGiving.

LOOK INSIDE FOR

- Highlights of Grant Recipients Presenting at RSNA 2011
- Grant Recipients: Past and Present
- Donor Profiles

Plan Your Week: RSNA 2011 Showcases Lectures and Presentations from R&E Grant Recipients

This year, nearly 270 R&E grant recipients are making their mark at the RSNA annual meeting, presenting more than 900 offerings including refresher courses, scientific presentations and education exhibits—and esteemed plenary session lectures, the highlight of the RSNA 2011 program.



November 27–December 2 | McCormick Place, Chicago

Don't miss these presentations from individuals who launched their careers with R&E funding, thanks to donors like you.

SUNDAY 11/27

OPENING SESSION PANEL



Geoffrey D. Rubin, M.D.
CT Angiography: 20 Years Old and All Grown-Up
1994 GE Medical Systems/RSNA Research Scholar Grant



Zahi A. Fayad, Ph.D.
Bleeding Edge Imaging and Therapy in Vascular Disease
1998 RSNA Research Seed Grant

Oncodiagnosis Panel: Innovations in Imaging and Therapy for Gynecologic Cancer (PS11)

Julia Fielding, M.D.
Katarzyna Macura, M.D., Ph.D.
Nina Mayr, M.D.

Pediatric Radiology Series: Neuroimaging (MSVP11)

Ashok Panigrahy, M.D.

Report of the R&E Foundation
Arie Crown Theater, 4:00 p.m.
Theresa C. McLoud, M.D.

MONDAY 11/28

NEW HORIZONS LECTURE



A. Gregory Sorensen, M.D.
Mechanistic Imaging—MR-PET, 7 TESLA MRI, and Beyond
1993 Research Resident Grant
1995 Bracco Diagnostics/RSNA Research Scholar Grant

Hot Topic: Tendinosis (SPSH20)

Kenneth S. Lee, M.D.

Emergency Radiology Series (MSVE21)

Alessandro Furlan, M.D.
Kyongtae Bae, M.D., Ph.D.
Karim Valji, M.D.

International Radiology Outreach (LL-INE1200-MOA)

Garry Choy, M.D.
Supriya Gupta, M.B.B.S.
Sanjay Saini, M.D.

*"The R&E Foundation is fantastic.
It's a safe haven for research support."*

- Geoffrey D. Rubin, M.D.

"The R&E Foundation is playing an important role in the careers of both new and practicing radiologists. Its efforts are sustaining radiology as a field."

- Jeffrey R. Petrella, M.D.

TUESDAY 11/29

**ANNUAL ORATION IN
DIAGNOSTIC RADIOLOGY**



Jeffrey R. Petrella, M.D.
Neuroimaging and the Search for
a Cure for Alzheimer's Disease
1999 RSNA Research Seed Grant
2000 Mallinckrodt Medical, Inc./
RSNA Research Scholar Grant

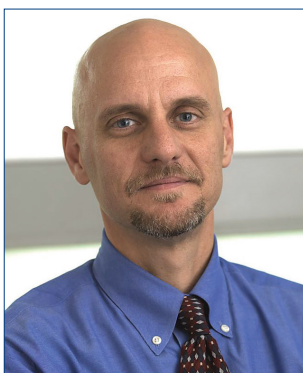
**Controversies in Lung Cancer
Screening (SPSC30)**
Caroline Chiles, M.D.
William C. Black, M.D.

**Informatics Keynote Speaker
(SSG07)**
Mannudeep K.S. Kalra, M.D.

**Musculoskeletal Radiology
Series: Knee Imaging
(MSVS31)**
Lawrence M. White, M.D.
Robert D. Boutin, M.D.

WEDNESDAY 11/30

**ANNUAL ORATION IN
RADIATION ONCOLOGY**



Stephen M. Hahn, M.D.
Proton Beam Therapy:
Applications and Future
1999 RSNA Research Scholar Grant

**Health Services, Policy and
Research Keynote Speaker
(SSM11-01)**
Jeffrey Jarvik, M.D., M.P.H.

**Radiofrequency Ablation:
As Good as It Gets?
(MSVO41-11)**
S. Nahum Goldberg, M.D.

**Cardiac Series: Heart Failure -
Multimodality Imaging
(MSVA41)**
Richard White, M.D.
David A. Bluemke, M.D., Ph.D.

THURSDAY 12/1

**Creating a Professional Culture in Your
Department: What to Do, What to Avoid
(RC616)**

Ariel E. Hirsch, M.D.
Marilyn J. Goske, M.D.
Stephen Chan, M.D.

**Case-Based Review of Neuroradiology-
Head and Neck (MSCN53A)**
Laurie Loevner, M.D.

**Molecular Imaging Keynote Speaker:
Molecular Imaging Probes (SSQ09)**
Umar Mahmood, M.D., Ph.D.

FRIDAY 12/2

**Transcatheter Intraarterial Perfusion Mag-
netic Resonance Imaging during Chemo-
embolization Predicts Overall Survival in
Patients with Hepatocellular Carcinoma
(SST17-06)**

Brian Jin, B.S.
Reed A. Omary, M.D.
Ron C. Gaba, M.D.

**Volume Analysis of Head and Neck
Lesions on PET-CT Scans Using 3D Level
Set Segmentation (SST15-02)**
Suresh K. Mukherji, M.D.

**One Week of Violent Video Game Play
Alters Prefrontal Activity (SST11-06)**
Vincent P. Mathews, M.D.

Look for this icon in the *Meeting Program*



"I was fortunate to begin my academic career with a grant from the R&E Foundation. The Foundation's funding allowed me to pursue an independent research career with the goal of making advances in cancer care."

- Stephen M. Hahn, M.D.

**Join your Colleagues and Friends at
the Donor Lounge!**

During RSNA 2011, donors of \$250 or more will have access to the Donor Lounge in the Lakeside Center Ballroom, with comfortable seating, refreshments, and Internet access.

Haven't made your gift this year? You can easily make a donation at RSNA.org/donate or call our Foundation staff at 630-590-7760.



Nurturing Young Physicians on the Path to Success: Lab Director Makes Perfect Sense of R&E Contributions



Frank J. Rybicki, M.D., Ph.D., F.A.H.A.

Of the various roles **Frank J. Rybicki, M.D., Ph.D., F.A.H.A.**, plays on any given day—practicing radiologist, investigator, lab director, professor, fundraiser, mentor—his top priority is nurturing and training young academic radiologists.

As the director of the Applied Imaging Science Laboratory (AISL) at Brigham and Women’s Hospital in Boston, Dr. Rybicki enjoys helping young physicians gain the skills they need to become independent investigators. The R&E Foundation is a natural partner in his efforts.

“What’s most rewarding for me is seeing my students become successful,” said Dr. Rybicki, an associate professor at Harvard Medical School and director of Cardiac CT & Vascular CT/MRI at Brigham and Women’s.

His lab is internationally recognized as a springboard for young clinician-scientists—

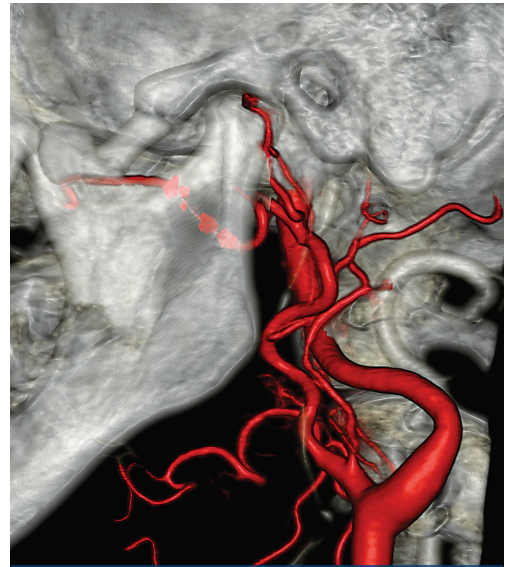
rising academic stars such as Kirsten Small, M.D., who addressed the subject of radiation dose years before it became a hot topic; Shige Soga, M.D., of Tokyo, who has become a leader in vascular imaging for face transplantation; and Michael Lu, M.D., and John D. MacKenzie, M.D., both of whom have been awarded R&E Foundation grants.

“What’s most rewarding for me is seeing my students become successful.”

Dr. Rybicki says his mentors, B. Leonard Holman, M.D. and Ferenc A. Jolesz, M.D., had a major impact on his own career path. “Working in a clinical research environment, I immediately knew I wanted to become a radiologist,” said Dr. Rybicki.

Since then, he has become an internationally known educator and specialist in cardiac CT—he developed a comprehensive cardiovascular imaging fellowship program model, helped to introduce wide-detector CT, and was the first to publish clinical images using 320-detector row CT.

He became involved with RSNA early in his career, presenting his first paper as a resident and winning an RSNA research trainee prize in 1999. Contributing to the R&E Foundation makes perfect sense, he says, given his work training academic radiologists.



Dr. Rybicki’s lab provides a spring board for research in MR and CT, including vascular imaging for face transplantation, shown above

“The R&E Foundation is a great match for me,” said Dr. Rybicki, who is both an individual donor and the founder of “Casino Night,” a social event that takes place during the RSNA Scientific Assembly and Annual Meeting. His lab has been holding the event for years, and more recently decided to make it a fundraiser to support the R&E Foundation. “Having a good time for a good cause makes everyone a winner.”

AISL Casino Night At RSNA 2011

Tuesday, November 29 • Begins at 9:00 p.m.
Sheraton Chicago Hotel & Towers, Club Lounge
\$20 admission with proceeds benefitting R&E.
Generously sponsored by **Toshiba** and **Bracco**.

Vanguard Company Profile

Advancing the Frontiers of Medical Science

Bracco Diagnostics Inc. is proud of its history in supporting the RSNA Research & Education (R&E) Foundation's Vanguard Program in its efforts to advance research, education and radiology practice.

Bracco has supported the Foundation since its inception. For a number of years, Bracco provided the Foundation with funding for both a Research Scholar Grant and a Research Resident Grant, in its effort to encourage careers and education within the radiologic sciences.



the first to examine the applications of sodium magnetic resonance imaging (MRI) in epilepsy.

In addition, Bracco will continue to support the second year of the RSNA Research Scholar Grant awarded to Qian Dong, M.D., from the University of Michigan Hospitals and Health Centers. Dr. Dong is researching the use of MRI diffusion and perfusion biomarkers to predict early response to neoadjuvant chemotherapy.

“Bracco continually supports research and developmental projects that explore challenging condi-

the world's leading companies in the diagnostic imaging business. Bracco Imaging develops, manufactures and markets diagnostic imaging agents and solutions that meet medical needs and facilitate clinical solutions. Headquartered in Milan, Italy, Bracco Imaging operates in more than 90 markets worldwide, either directly or indirectly, through subsidiaries, joint ventures, licenses and distribution partnership agreements.

Bracco Imaging is a subsidiary of Bracco S.p.A., the holding company of the Bracco Group which also markets ethical and over-the-counter pharmaceutical products in Italy as

“Bracco continually supports research and development projects that explore challenging conditions and expand radiologists' knowledge of better, safer and more effective uses of diagnostic imaging agents.”


The Research Resident grant program provides a \$30,000 award to a top resident to protect 50% of their time for a research project under the guidance of a scientific advisor. Through this project, residents can learn about scientific investigation and develop competence in research techniques. This year, Bracco will support the grant for Mai-Lan Ho, M.D., from Beth Israel Deaconess Medical Center. Dr. Ho's research project will be one of

tions and expand radiologists' knowledge of better, safer and more effective uses of diagnostic imaging agents.” said Carlo Medici, president and chief executive officer of Bracco Diagnostics Inc., and head of global commercial operations for Bracco Imaging S.p.A. “We are proud to partner with the Foundation to advance the frontiers of medical knowledge and to shape the future science of radiology.”

Bracco Imaging S.p.A. is one of

well as medical devices and advanced injection systems for contrast imaging products worldwide. Furthermore, the Bracco Group offers diagnostic services through the Milan-based Centro Diagnostico Italiano (Italian Diagnostic Center).

Bracco will be presenting its products and services at RSNA 2011, Hall A: Booth 4839.

Please join us by thanking our Vanguard and Exhibitors Circle companies for their support. Corporate donors can be found in the RSNA Technical Exhibition Guide indicated by the R&E supporter logo .



“The RSNA R&E Foundation is a true blessing for all of radiology, and it is an honor to contribute to its mission in every possible way.”

Friedrich D. Knollmann, M.D., Ph.D.
University of Pittsburgh Medical
Center Presbyterian Hospital
2011 RSNA Research Seed Grant

Visionary Donor Profile

Technology Pioneer Gives Back to Radiology

Fresh out of college, **Ronald B. Schilling, Ph.D.**, had the good fortune of landing a job in RCA's renowned research laboratories in Princeton, New Jersey, where color television and other modern inventions were born.

"It was an amazing place to work and it's where the concept of imaging first struck me," said Dr. Schilling, who was already thinking about the 'end-user,' decades before the phrase became a marketing buzzword.

His work in the computer-aided design of transistors at RCA drew the attention of executives at Motorola, who needed help getting into the microprocessor market. Next, General Electric came calling, and a young GE executive named Jack Welch told Dr. Schilling that he should consider joining the company—which he did two years later when GE was launching the CT scanner.

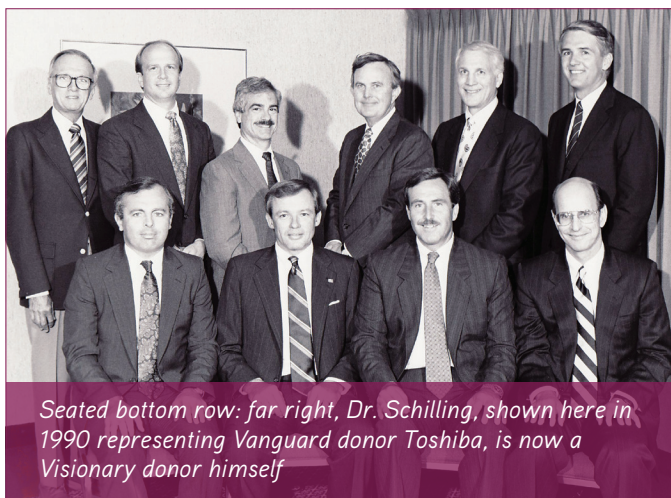
"I was so used to just dealing with engineers and purchasing agents, but at GE I had the opportunity to deal with the end-user," he said. "Once I was in the medical field, there was no going back."

Dr. Schilling would become the head of strategic planning for GE Medical Systems, focused on taking the company's CT business to number one in the world by honing what he calls the clinical-technical tie: ensuring the technology meets the needs of the marketplace. Before long, Diasonics and Toshiba

would also seek him out to build their MRI business lines.

"I have a lot to give back to radiology," he said. "Supporting passionate young researchers helps create the clinical-technical ties of the future."

With a track record of successful start-ups and a medical network that spanned the globe, it eventually made sense for Dr. Schilling to start his own consulting and venture capital businesses—both of which he continues to run today from Los Altos Hills, California.



Seated bottom row: far right, Dr. Schilling, shown here in 1990 representing Vanguard donor Toshiba, is now a Visionary donor himself

"The idea of working with bright and energetic CEOs is very exciting," said Dr. Schilling, who is guiding new companies involved in PACS technology, positron emission mammography (PEM) and Z Space which he calls a game-changing innovation that offers "true" 3-D or virtual holography. "I can't imagine ever doing anything else."

Grant Recipient Finds NIH Success

Colin P. Derdeyn, M.D., F.A.H.A. received more than \$12 million from NIH for Translational Stroke Research



Colin P. Derdeyn, M.D., F.A.H.A.
Washington University School of Medicine/Barnes Jewish Hospital

In 1994 I received the Siemens Healthcare/RSNA Research Fellow Grant, which gave me two years to work with one of the real experts in brain blood flow and stroke,

"I have been grateful for the support I received early in my career from the R&E Foundation."

Bill Powers, a stroke neurologist who is now chair of neurology at The University of North Carolina. Between that award and a subsequent NIH K08 award, I learned a great deal about clinical stroke, cerebral pathophysiology, PET, and paper and grant writing. Since then, I have balanced a clinical practice in

interventional neuroradiology and a stroke research program that has been supported by two NIH RO1 grants, and a current P50 center grant for translational stroke research

centers, among other things. The center grant is one of eight nationwide

that forms a network of centers developing better ways to care for patients with acute stroke. The other seven sites are all directed by very accomplished stroke neurologists.

The RSNA award was a critical stepping-stone on the path that brought me here.

Exhibitors Circle Profile

An Unwavering Commitment to Patient Care

Rays Partners with Radiology Groups and R&E to Reach its Ultimate Goal

When paired with an aging population and increased demand for imaging services, a shortage of qualified radiologists in cities across America could have a harmful effect on patient care. Enter Rays, with its mission of “Setting the standard for patient care through innovative telemedicine.” The company, founded by physicist/radiologist Greg Rose, M.D., Ph.D., in 2005, has already developed a strong reputation for expanding the capabilities of radiology across the U.S. from large metropolitan hospitals to rural and community medical facilities.



By partnering with radiology groups for evening, weekend, and even full-time support, Rays is able to make a direct impact on patient care, ensuring that readings are done by U.S.-based board certified radiologists in subspecialties that may not be accessible onsite. Providing top service to medically underserved communities is critical, as many hospitals are unable to recruit physicians to cover the breadth of diagnostic needs.

By partnering with the R&E Foundation as part of the Exhibitors Circle, Rays will help fund research leading to

better diagnosis and treatment.

“We are happy to sponsor the medical research efforts of the R&E Foundation,” says Dr. Rose. “In fact, a portion of our own revenue goes to improving teleradiology technology for our clients and patients. The Rays development team, together with input from our clients, constantly improves and upgrades the Rays RIS/PACS.”

From its commitment of 6% of gross revenue to R&D, to its proven results in KLAS surveys, Rays is cementing itself as a valued partner—for radiology, radiologists and, most importantly, patients—for years to come.

Rays will be presenting its products and services at RSNA 2011, Hall A: Booth 3059.

Revolutionizing Educational and Decision Support Needs for Clinicians

Amirsys bridges its goals with support for the R&E Foundation to enhance radiology

RSNA 2011 will mark a milestone for Amirsys as they enter their tenth year as an exhibitor at this international gathering of radiologists. From their first product, *PocketRadiologist*[®], to their current lines of reference texts and on-line products, the RSNA annual meeting has been Amirsys’ most exciting and important event. “Ten years ago our little company was a handful of passionate radiologists with a bunch of big ideas,” says Ric Harnsberger, M.D., chaired professor of radiology and CEO of Amirsys, Inc. “We believed that radiologists’ need for information was increasing rapidly,

and that the way it was delivered to them historically could not begin to meet these new demands. That’s how Amirsys was born.”

“Our vision certainly has expanded in size and scope, but our goals consistently focus on the educational and decision support needs of clinicians,” said Anne Osborn, M.D., chaired professor of radiology and CEO of Amirsys Publishing, Inc. “We are pleased to support the R&E Foundation for a sixth consecutive year and to give back to the RSNA community that continuously

enhances the profession of radiology.”

By linking with the RSNA member website, myRSNA[®], Amirsys’ STATdx[®] diagnostic clinical decision support system can help members reach differential diagnosis for cases in just minutes. STATdx[®] was launched in 2005 and is currently used by 30,000 radiologists in 50 countries. RADPrimer[™], the online learning portal for radiology residents, was launched in 2011.



AMIRSYS[®]

Amirsys will be presenting its products and services at RSNA 2011, Hall A: Booth 2613.

Money Matters

Do You Discuss Charitable Giving With Your Family?

If not, the year's end is a good time to talk with them about the organizations you support. Let them know why you give to the R&E Foundation.



Donations are used for their intended purpose

Since 1984, we have funded 881 research and education grants totaling over \$34 million.

Low administrative expenses help maximize the impact of your gift.

Return on Investment = 30:1

Each dollar we award enables investigators to receive an additional \$30 in subsequent funding from NIH and other major sources. This translates into over \$1 billion in research for the radiologic sciences.

Grant recipients have had tremendous success

Grantees not only learn from their experience, they share the information. They have become leaders in their fields, department chairs and patent holders, and overall have published more than 10,000 manuscripts.

What Can You Accomplish with a Gift? A Great Deal.

To make a gift, visit RSNA.org/donate or call 630-590-7760.

"The ideas and ingenuity of young researchers and inspired educators are essential to sustain the vitality of our specialties. R&E Foundation grants launch the dreams of researchers at all levels and ensure that the results of research are widely disseminated and integrated into clinical care."



Hedvig Hricak, M.D., Ph.D., Dr(hc)
2010 RSNA President
Platinum Visionary Donor