

Breast Imaging Specialist Supports the RSNA R&E Mission

Dr. Destounis Explains the Importance of New Research

For the past ten years, Stamatia V. Destounis, M.D., has attended the RSNA annual meeting. Impressed with the new research, review courses and new technology on the exhibit floor, she realized how important it was to support the R&E Foundation and its mission to advance radiologic research, education and practice.

Dr. Destounis completed diagnostic radiology training at the University of Rochester School of Medicine and Dentistry, after having attended medical school at Upstate SUNY Syracuse and completing an internal medicine internship for one year. "In medical school I was impressed with the knowl-

edge radiologists were required and expected to have about the entire body. As radiologists, we frequently get to put together the diagnostic puzzle," said Dr. Destounis. Her fellowship training in breast imaging was with Wende Logan-Young, M.D., at Elizabeth Wende Breast Care, LLC, where she is currently managing partner. Dr. Destounis also holds a clinical appointment at the University of Rochester as an associate professor. Computer-aided detection

(CAD), digital mammography, breast MR imaging, breast ultrasound and new technologies in breast imaging and cancer detection are a few areas of her research.

Dr. Destounis has supported the R&E Foundation for years and recently became a Presidents Circle donor.

"I am interested in clinical research myself and have real-

ized how investigating something may open new doors to understanding and solving complex concerns in our world today. Giving to the R&E Foundation will allow young researchers with new



Stamatia V. Destounis, M.D.

Continued on page 2

Roentgen Resident/Fellow Research Award

In June, 160 trainees in departments of radiology, radiation oncology and nuclear medicine across North America received the RSNA Roentgen Resident/Fellow Research Award. The competitive award recognizes and honors residents and fellows who have made significant



contributions to radiologic research. Recipients were selected by program directors and department chairs based on their contributions to advancing research, including presentations of scientific papers at regional or national meetings, publication of scientific papers in peer-reviewed journals, receipt of a research grant or contributions to the success of a research program within the department, and other research activities. A listing of all recipients can be found at RSNA.org/Foundation.

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Continued from page 1

dreams to have protected time to work on their ideas, because that is when innovation occurs,” said Dr. Destounis.

As a working mother, Dr. Destounis especially appreciates the value of “protected time.” Keeping a work/life balance is difficult, but she looks to her own mother as her role model. “My mother is one of the hardest working people I have ever met. Her whole life she has lived trying to always do the right thing, take care of her family and work for a better future for her children. She came to this country as an adult, learning English as a second language, and has passed along that unwavering enthusiasm for learning,” said Dr. Destounis.

When not in the office, Dr. Destounis is busy balancing the sports and activities of her three teenage sons. She also takes an active role in her community, volunteering for several organizations including the American Cancer Society, where she speaks with

breast cancer survivors and raises awareness of the disease.

Communicating news—both good and bad—is part of a breast imager’s job. “I frequently have to give bad news to patients, which is always very difficult,” Dr. Destounis said. “But I love the human factor in my radiology subspecialty. My patients know me and they call or write notes to let me know they are doing all right, and are getting through their treatment. They send thank you notes weeks or months later—it means a lot!”

As a Presidents Circle donor, Dr. Destounis is supporting the future of

the field. “There will always be a need to investigate the human body and diagnose medical conditions. Soon we will be able to get there faster and with fewer steps, but for now it is exciting to consider the many possibilities and the many new breakthroughs in technology along the way,” she said.

“Education and information are so important—more so than ever in our changing healthcare environment,” said Dr. Destounis. “The R&E Foundation and its donors are doing their part to maintain excellence in teaching and education for radiology in the years to come.”

A Special Thanks to This Year’s First Time Presidents Circle Donors

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Stamatia V. Destounis, M.D.

Beth M. Deutch, M.D.

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The Presidents Circle is made up of individual donors who donate \$1,500 or more annually. For more information about the Presidents Circle, contact Robert Leigh at rleigh@rsna.org or 1-630-590-7760.

Because of Your Support, 70 Researchers and Educators Received Grants This Year



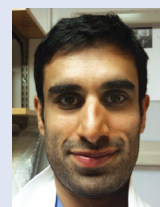
Myria Petrou, M.A., M.B.Ch.B.
Covidien/RSNA
Research Scholar Grant,
Radiology, University
of Michigan Hypoxia,
Septohippocampal

Cholinergic Denervation, and Amyloidopathy in Mild Cognitive Impairment



Lonie R. Salkowski, M.D.
Philips Healthcare/RSNA
Education Scholar Grant,
Radiology, University of
Wisconsin - Madison,
SMPH A Paradigm Shift
in Teaching Anatomy:

Development of New Educational Methods for Health Care Professionals to Learn Anatomy through Radiology Correlation



Nikhil Bhagat, M.D.
Philips Healthcare/
RSNA Research Seed
Grant, Interventional
Radiology, Johns
Hopkins University
Hospital The

Role of Intratumoral Injection of a Novel Chemotherapeutic Agent for the Treatment of Pancreatic Adenocarcinoma



Marilyn Goske, M.D.
Harvey and Jean Picker
Education Scholar
Grant, Radiology,
Cincinnati Children’s
Hospital Medical Center
Developing a “Best

Practice” National Registry for CT Scans in Children



Mark Shiroishi, M.D.
GE Healthcare/RSNA
Research Scholar Grant,
Radiology, Division of
Neuroradiology, Keck
School of Medicine,
University of Southern

California Assessing The Value of Perfusion and Permeability MR Imaging to Characterize Pseudoprogression and Pseudoresponse in Patients with High-Grade Glioma



Rivka R. Colen, M.D.
Silver Anniversary
Campaign Pacesetters
Research Fellow Grant,
Radiology, Brigham
and Women’s Hospital
Targeted Drug Delivery of

Temozolomide Using “Microbubble Enhanced” MR-guided Focused Ultrasound: A Glioma Rat Model Feasibility Study



Warren Chang, M.B.A., B.A.
RSNA Research Medical Student Grant, Radiology, University of Wisconsin Madison, SMPH Low Wall Shear Stress Promotes

Atherosclerotic Plaque Progression in the Carotid Bifurcation, Carotid Siphon, and Carotid Terminus and Surrounding Segments: A Pilot Clinical Study Using High Resolution PC-MR Velocimetry and Automated Spline Interpolation



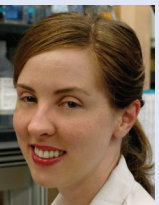
Aine Kelly, M.D.
GE Healthcare/RSNA Education Scholar Grant, Radiology University of Michigan *The influence of Evidence-Based Teaching Methodology on*

Appropriate Imaging Utilization in a Large Academic Radiology Department



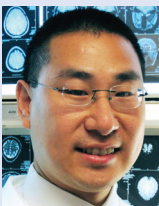
Ranjit Bindra, M.D., Ph.D.
RSNA Research Resident Grant, Radiation Oncology, Memorial Sloan-Kettering Cancer Center *High*

Throughput Screening for Novel DNA Double-Strand Break Repair Inhibitors



Eileen Connolly, M.D., Ph.D.
Varian Medical Systems/RSNA Research Resident Grant, Radiation Oncology, New York University School

of Medicine Translating the Regulation of Protein Synthesis in Inflammatory Breast Cancer to Enhanced Radiosensitivity



Simon K. Cheng, M.D., Ph.D.
RSNA Research Seed Grant, Radiation Oncology, Columbia University College of Physicians and

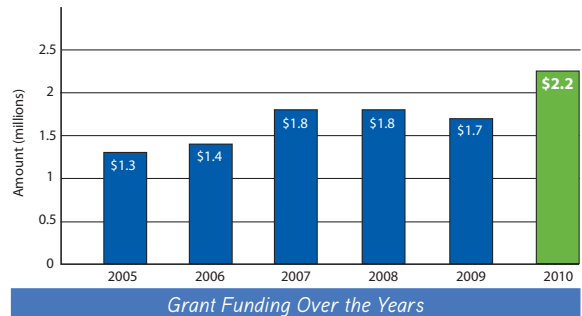
Surgeons The Role of TGF β -Mediated Immunosuppression in Radiation-Induced Pneumonitis

See the entire list of the projects your donations are funding at RSNA.org/Foundation.

A Critical Demand for Funding

A 60% increase in grant applications this year indicates the critical demand for grant funding in academic institutions and shows those institutions are turning to the RSNA R&E Foundation to help meet that demand.

Rightfully so, as the R&E Foundation grants have a 30:1 return on investment (ROI): For every \$1 awarded, grantees receive more than \$30 in subsequent funding from sources including government agencies (such as the National Institutes of Health), corporations and private foundations. R&E grant funding is made possible by the generous support of thousands of individuals like you, private practices and corporations that share in the Foundation's mission to improve patient care. Support your future—make a gift today at RSNA.org/Donate.



Support the Future of Radiology with a Planned Gift



The R&E Foundation offers several types of planned giving options. One of the most popular ways is through a bequest.

YOUR GIFT:	Bequest
YOUR GOAL:	Defer a gift after your lifetime. Leave a legacy.
HOW TO MAKE THE GIFT:	Name the R&E Foundation in your will or living trust. Designate a specific amount, percentage, or share of the residue.
YOUR BENEFITS:	Your donation is exempt from federal estate tax. You get control of your assets for your lifetime. Your gift will help fund future grant awards.

Vanguard Company Profile

Vanguard Partner Supports Continued Growth of Medical Technology Cook Medical Funds Research Resident Grant

For more than 15 years, Cook Medical has been a Vanguard supporter of the RSNA R&E Foundation. This year, Cook Medical is funding a Research Resident Grant awarded to Roger Lin, M.D.,



Roger Lin, M.D., Ph.D.

Ph.D., for his project, *Treating Catheter Infections with Fiber Optically Delivered Ultraviolet Light*.

"We are pleased to support the RSNA Research & Education Foundation and specifically Dr. Roger Lin, for his work surrounding the treatment of catheter infections. The RSNA R&E Foundation is a critical proponent of the field of radiology, serving to fund advanced research

and education that helps push the industry forward," said Dan Sirota, global business leader of Cook Medical's Interventional Radiology division.

Since the company's beginnings in 1963, Cook has operated as a family-held private corporation. Cook Medical pioneered many of the medical devices used

today to perform minimally invasive medical procedures. The company integrates medical devices, drugs and biologics to enhance patient safety and improve clinical outcomes. Products for endovascular therapy, critical care medicine, general surgery, diagnostic and interventional

procedures, bioengineered tissue replacement and regeneration, gastroenterology and endoscopy procedures, urology, and obstetrics and gynecology make up Cook Medical's portfolio.

"Cook has long been a leader in the field, working to provide the technology and tools needed to advance minimally invasive procedures and eliminate deadly hospital-acquired infections. We will proudly continue to work with RSNA to ensure the continued growth and success of the industry," said Sirota.

The RSNA R&E Foundation would like to thank Cook Medical and all 14 Vanguard corporations who support the R&E Foundation's research and education grant programs.



Foundation News

Navigate A Sound Financial Future

Considering other ways to give to the R&E Foundation? Don't forget to sign up for the informative and comprehensive investment education seminars held at McCormick Place on Saturday, November 27 and Monday, November 29, 2010. Hear two experts' advice on how to achieve your real estate and investment goals and learn about the changing laws for charitable deductions.

Effective Real Estate Investment

Strategies—Course # PS03

Asset Protection and Retirement Planning

In the New Era—Course # PS23

Sign up for both courses and save! Enter course #PS33 at RSNA.org/register.



R&E Grant Recipient Develops New Tool for Medical Students

Judith K. Amorosa, M.D., recently completed the Clerkship Companion, an online tool for medical students to access information on the principles of diagnostic imaging and patient care. Dr. Amorosa received two R&E grants sponsored by GE Healthcare to develop the Clerkship Companion, which is now available to RSNA members at RSNA.org/medstudents.cfm

New R&E Interactive Website Now Live

Visit RSNA.org/Foundation to view photos and messages from our donors and grant recipients.

R&E Grant Recipients Recently Published in Radiology

Antonio C. Westphalen, M.D.

Locally Recurrent Prostate Cancer after External Beam Radiation Therapy: Diagnostic Performance of 1.5-T Endorectal MR Imaging and MR Spectroscopic Imaging for Detection

Kyongtae T. Bae, M.D., Ph.D.

Intravenous Contrast Medium Administration and Scan Timing at CT: Considerations and Approaches

Grant Recipient Profile

R&E Medical Student Grant Inspires Recipient to Pursue Academic Radiology Career

Prior to his RSNA R&E Foundation research project, medical student Brian Jin, B.A., had never been exposed to academic radiology.

During the radiology clerkship in his third year of medical school at the Albert Einstein College of Medicine, he decided to take a year off to pursue this interest by participating in a research project under the mentorship of past R&E grant recipient Reed A. Omary, M.D., M.S., of Northwestern University. Dr. Omary's group is at the forefront of MR imaging research, particularly as it relates to novel interventional oncology techniques. During this time, Jin actively participated in all facets of academic radiology, ranging from grant writing and study design, to data analysis to manuscript writing.

"Through this experience, I have confirmed that an academic radiology career is the correct path for me. I am truly grateful that RSNA generously

funded this experience, giving me the opportunity to discover a previously unexplored interest," said Jin.

His 2009 RSNA Research Medical Student Grant project, *The Correlation of Tumor Perfusion with Clinical Outcomes During Chemoembolization of Hepatocellular Carcinoma*, aimed to investigate the relationship between perfusion reductions during transarterial chemoembolization (TACE) of hepatocellular carcinoma (HCC) and clinical outcomes. Specifi-

resulted in three separate first-author manuscripts

which have been submitted for publication in peer-reviewed journals. The results from the studies will also be used for the competitive renewal of his mentor's existing NIH R01 grant proposal.

"The strength of the RSNA Re-



"I have become genuinely excited about dedicating my career to advancing how radiologic sciences can deliver better care to our patients."

Brian Jin, B.A., 2009 Research Medical Student Grant Recipient

cally, the project used transcatheter intraarterial perfusion (TRIP) MR imaging as a novel technique to quantify perfusion.

Jin's RSNA-funded project has

search Medical Student Grant lies in offering medical students a chance to experience an element of health-care that they otherwise would have no exposure to—research," said Jin.

**DONATE.
VOLUNTEER.
GET FUNDED.**



RSNA Research & Education Foundation
RSNA.ORG/FOUNDATION

R&E Staff Focus

Best Wishes!



The RSNA R&E Foundation would like to congratulate Susan Thomas, assistant director of R&E Governance and Administration, on her retirement. Susan has been part of the RSNA staff since 1996, holding a variety of positions working in Board Affairs in the Executive Department, and then moving to the R&E Foundation. Susan's leadership, service and friendship will not be forgotten. The RSNA family wishes her much happiness in her adventures ahead.



Exhibitors Circle Profile

US Radiosurgery Supports Research for Better Patient Care

First Time Exhibitors Circle Company Supports the Foundation at the Platinum Level

US Radiosurgery partners with physicians and hospitals to provide comprehensive expertise at every level beginning with development and market analysis to financing and partnership structure, as well as ongoing strategic management and daily operations of cancer centers.

"As a leading developer and operator of stereotactic radiosurgery centers, US Radiosurgery is committed to supporting scientific research in the best interest of quality patient care," said George Stevens, Chief Executive

Officer of US Radiosurgery.

With a donation of \$10,000 US Radiosurgery joins the Exhibitors Circle program. "We believe in the work of the RSNA Research & Education Foundation and its impact on the continued growth and development in

new non-profit clinical organization that will examine and compare the effectiveness of various radiation treatment modalities in combating cancer.

Members of the 2009 Exhibitors Circle program donated over \$92,000 which supports R&E research and edu-

"We believe in the work of the RSNA Research & Education Foundation and its impact on the continued growth and development in the field of radiology."

George Stevens, Chief Executive Officer of US Radiosurgery

the field of radiology," said Stevens.

In addition to supporting the RSNA R&E Foundation's research efforts, in February US Radiosurgery formed its own Radiosurgical Research Institute. The institute is a

cation grants. The Foundation would like to thank US Radiosurgery and all of its corporate partners involved in the program.

US RADIOSURGERY

Revolutionizing treatment. Restoring hope. Improving lives.

Thank You *2010 RSNA Exhibitors Circle*

PLATINUM CIRCLE

Lantheus Medical Imaging

GOLD CIRCLE

Amirsys

ProScan Imaging

Resonance Technology

SenoRx

Vital Images

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Systems

MedInformatix

Teleradiology Solutions

VIDAR Systems Corporation

Zotec Partners

BRONZE CIRCLE

ContextVision

Naviscan

Infimed, Inc.

Parascript

Ziosoft

Companies as of 7/20/2010



The Exhibitors Circle comprises companies that support the mission of the R&E Foundation. In 2009, more than \$92,000 was raised by this group of corporate partners. Participating companies are recognized at the annual meeting and throughout the year in various RSNA publications. Enrollment for the 2010 Exhibitors Circle is currently under way. For more information visit RSNA.org/Foundation/Exhibitor or call 1-630-590-7773.

Grant Report Highlights

Here is a glimpse at just one of the many promising projects made possible by your support. A complete list of grant projects can be found at RSNA.org/Foundation.



Grant Recipient Andrea Donovan, M.D.

"This educational grant is an excellent opportunity for promoting educational research and stimulating career development for radiologists interested in education. I am grateful to the RSNA R&E Foundation for its support."

Andrea Donovan, M.D.

Medical Imaging, Sunnybrook Health Sciences Centre,
University of Toronto
2008 RSNA/AUR/APDR/SCARD Radiology Education Research
Development Grant

Final Report Highlights

Title: Developing Radiology Residents as Teachers: Program Director Views and Implementation of a National Resident Teacher Development Course

Summary Statement: Radiology residents often teach medical students and other residents. Workshops developed with the goal of improving resident teaching skills are becoming increasingly common in various fields of medicine. The purpose of this study was to determine the prevalence and structure of resident-teacher training opportunities within radiology programs in the United States and Canada and to develop a course to meet the specific needs of radiology residents.

AIM 1: To survey the prevalence of resident-teacher training programs in U.S. and Canadian radiology residency training programs and factors associated with having an established resident-teacher program.

AIM 2: To survey program directors' opinions on teaching by residents and resident-teacher programs.

AIM 3: To develop a course for resident teaching skill improvement, focusing on the specific needs of radiology residents.

Results: The results of Aim 1 and 2 are published in *Academic Radiology* in July 2010 and the results from Aim 3 are being prepared for publication in the next six months, pending statistical analysis. The project identified a need for structured training for residents to enhance their teaching skills. The vast majority of radiology program directors agreed that it is important for residents to participate in a teaching role, and moreover that these teaching experiences help residents to become better radiologists. There is an expressed need for additional strategies to develop the teaching skills of radiology residents. A course on teaching skills for residents was held at the 2010 AUR meeting. Many program directors and residents expressed a desire to implement resident-teacher training programs at their own institution.

Interested in learning about grant opportunities?

Contact Scott Walter, M.S., assistant director of grant administration at swalter@rsna.org or 1-630-571-7816.

▼ A 25% Increase
in Grant Funding
from 2009

70
NEW
GRANTS

\$2.2
MILLION IN
GRANT FUNDING

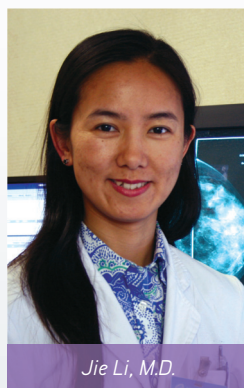
2010 Grants Selected

An impressive 70 new and continuing grants totaling \$2.2 million have been given by the R&E Foundation this year.

Projects cover a wide range of research and education topics from quality improvement to molecular imaging to resident education, and will have a sustained impact on basic science, translational research and clinical outcomes. The R&E Foundation continues to expand its reach with two grants awarded to individuals from the international community.



**Omolola Atalabi,
M.B.B.S.**
Hitachi Medical Systems/
RSNA Research Seed
Grant, Radiology, Uni-
versity College Hospital/
College of Medicine,
University of Ibadan,
Nigeria
*Ultrasonography in the
Assessment of Renal Sta-
tus During Malarial Illness
among Nigerian Children*



Jie Li, M.D.
Derek Harwood-Nash
Education Scholar Grant,
Radiology, Beijing Cancer
Hospital & Beijing Insti-
tute for Cancer Research,
Peking University School of
Oncology, China
*Developing an Educational
Program on Breast Imaging
for the Chinese Radiology
Society with International
Cooperation*

See details on the increase in R&E grant funding on Page 3.