GRANTS & AWARDS
2016 RSNA R&E Foundation
Funding Radiology’s Future®
Growth is always exciting to witness, and it has been prevalent this year for the RSNA Research & Education Foundation. In 2016, the Foundation is supporting a record breaking 101 research and education grant projects totaling $4 million. The 2016 recipients across 54 institutions throughout North America and abroad, demonstrate a true commitment to the research and education endeavors of so many inspiring individuals impacting our collective futures.

Equally exciting is an increase in the percentage of applications that the R&E Foundation was able to fund. This year, the R&E Foundation funded 30% of the grants it received, up from 25% in recent years.

In total, the R&E Foundation has awarded more than $50 million to fund 1,300 projects, improving patient care by supporting research and education in radiology and related scientific disciplines. Making all this possible is the continuing momentum of Inspire-Innovate-Invest: The Campaign for Funding Radiology’s Future®. Through this initiative, the R&E Foundation seeks to raise $17.5 million to meet the growing demand for grants, bridging the gap in funding for promising investigators and educators.

While the Campaign has already accrued two-thirds of its goal, there remains vast opportunity to support the R&E Foundation in the Campaign’s final chapter. This grant funding to individuals and institutions is the single most important way to directly support the future of our specialty. We are proud that you are a part of that legacy.

Thank you for supporting the Foundation.

Sincerely,
Burton P. Drayer, MD
Chairman, R&E Foundation
Board of Trustees
Grant and Award Descriptions

Research Scholar Grant
Our premier career development grant transitions junior faculty to independent investigators. Funding protects research time to conduct complex projects under the guidance of a mentor and scientific advisor in preparation for NIH funding. Two-year grant of $150,000.

Research Resident/Fellow Grant
This grant provides investigators a chance to explore powerful ideas. Working alongside an experienced advisor, trainees gain insight into specific investigation and practice research methods and techniques; it is a catalyst to pursue research at a critical point in a radiologist’s career. One-year grant of $30,000/$50,000.

Education Scholar Grant
Innovation in education can transform the way radiologists learn, understand and care for patients. This grant encourages development of new methods of teaching and evaluation and enables effective delivery for lifelong learning. One-year grant of up to $75,000.

Research Seed Grant
Every great discovery starts with a spark. This grant provides seed money to test hypotheses and conduct pilot studies in preparation for major grant applications to corporations, foundations and government agencies. One-year grant of up to $40,000.

Research Medical Student Grant
Exposure to radiology research in medical schools ignites a passion for the specialty. With support of the community and a network of mentors, a summer project can turn into a career-long pursuit of research and discovery. Grant of $3,000, matched by the sponsoring department.

Roentgen Resident/Fellow Research Award
The Foundation recognizes and encourages trainees who have made significant contributions to radiologic research as evidenced by presentations at regional or national meetings, publication of scientific papers, receipt of research grants and other research activities.

Where Do Your Donations Go?
Low overhead puts more of your donations toward grant funding

- Administration 3%
- Fundraising 4%
- Education 13%
- Resident and Fellow Trainees 28%
- Junior Faculty and Career Development 42%
- Seed and Pilot Studies 15%
- Medical Students 2%
- 93% Grant Programs

Recognition and Thanks
Through the generosity of our donors, the RSNA R&E Foundation is able to continue its investment in R&D for radiology.

The Foundation wants to provide special acknowledgment for the distinguished individuals and the Visionaries in Practice (VIP) program donors who have established endowments and awards in their names or in the names of those honored.

- Austin Radiological Association
- Derek Harwood-Nash, MD
- Martin R. Prince, MD, PhD
- Ralph Schlaeger Charitable Foundation
- RSNA Presidents Circle
- Silver Anniversary Campaign Pacesetters
- Strategic Radiology

The Foundation is grateful for the major contributions from corporate donors through the Vanguard program.
RESEARCH SCHOLAR GRANT

Jalal B. Andre, MD
University of Washington
RSNA Research Scholar Grant
Evaluating the Prevalence, Temporal Etiology, and Cost of Patient Motion During Clinical MR Examinations

Rivka Rachel Colen, MD
The University of Texas MD Anderson Cancer Center
AGFA HealthCare/RSNA Research Scholar Grant
Radiome Sequencing of Glioblastoma: Decoding the Imaging Genomic Landscape and Heterogeneity

David Dreizin, MD
University of Maryland School of Medicine and R Adams Cowley Shock Trauma Center
RSNA Research Scholar Grant
Development and Validation of an MDCT-based Decision Support and Outcome Prediction Tool for Bleeding Pelvic Fractures Using Semi-automated Volumetric Hematoma Analysis and Probabilistic Modeling

Michael David Farwell, MD, MA
Hospital of the University of Pennsylvania
RSNA Research Scholar Grant
Development of a Reporter Gene for In Vivo PET Imaging of Chimeric Antigen Receptor (CAR) T Cells Directed at Solid Tumors

“My research team will challenge the current clinical practice that all women who undergo neoadjuvant chemotherapy (NAC) for operable breast cancer must still undergo surgery. This first-in-human clinical trial has the potential to be a major paradigm shift in the treatment of breast cancer, ultimately offering a cost-effective, minimally invasive alternative that preserves the breast—to many, the hallmark and essence of femininity.”

— Elizabeth J. Sutton, MD
2016 - 2018 Guerbet/RSNA Research Scholar Grant Recipient
Manu Shri Goyal, MD, MSc  
*Washington University School of Medicine*  
**ASNR/RSNA Research Scholar Grant**  
Integrating Brain Imaging and Metabolomics in Malnourished Children

Richard S. Ha, MD  
*Columbia University*  
**RSNA Research Scholar Grant**  
The Effect of Ulipristal Acetate (UPA) on Breast Cell Proliferation Measured by Ki-67 and Breast MRI BPE and its Potential as a Chemoprevention Agent

Kathy Han, MD, MSc  
*Princess Margaret Cancer Center*  
*University of Toronto*  
**RSNA Research Scholar Grant**  
The Potential for Metformin to Improve Tumor Oxygenation in Locally Advanced Cervix Cancer: A Phase II Randomized Trial

Kate Hanneman, MD  
*University of Toronto*  
**GE Healthcare/RSNA Research Scholar Grant**  
Exploring the Relationship Between Left Ventricular Outflow Tract Obstruction, Exercise-induced Troponin Release and Myocardial Fibrosis in Hypertrophic Cardiomyopathy Using Molecular and Imaging Biomarkers

Jeremy Josef Heit, MD, PhD  
*Stanford University*  
**Bracco Diagnostics Inc./RSNA Research Scholar Grant**  
Resting State Spontaneous Fluctuations of the BOLD Signal for Penumbra Assessment in Endovascular Stroke Candidates

Michael Iv, MD  
*Stanford University Medical Center*  
**RSNA Research Scholar Grant**  
Quantitative Blood Oxygenation Level Dependent (qBOLD) MRI for Assessment of Tumor-associated Macrophages in Human Glioblastoma Multiforme

Austin Kirschner, MD, PhD  
*Vanderbilt University*  
**RSNA Research Scholar Grant**  
Mechanism of PIM1 Kinase-mediated Radiosensitization for Prostate Cancer Treatment

Pejman Jabehdar Maralani, MD, FRCPC  
*Sunnybrook Research Institute, University of Toronto*  
**RSNA Research Scholar Grant**  
Quantitative Blood Oxygenation Level Dependent (qBOLD) MRI for Assessment of Tumor Hypoxia in Glioblastoma Multiforme: Validation with Intra-operative and Histological Correlation

Daniele Marin, MD  
*Duke University Medical Center*  
**RSNA Research Scholar Grant**  
Decreased Variability for Robust Imaging-based Quantification of Tumor Heterogeneity
Rajni Natesan, MD, MBA
The University of Texas MD Anderson Cancer Center
CARESTREAM HEALTH/RSNA RESEARCH SCHOLAR GRANT
Impact of the Updated 2015 American Cancer Society and 2016 United States Preventive Services Task Force Breast Cancer Screening Guidelines on Screening Mammography Utilization Rates and Screen-detected Breast Cancer Across Demographic Groups in the Greater Houston Area

Matthew J. Nyflot, PhD
University of Washington
RSNA RESEARCH SCHOLAR GRANT
Quantitative Sulfur Colloid SPECT/CT Radiomics to Guide Precision Radiotherapy for Patients with Hepatocellular Carcinoma

Elizabeth J. Sutton, MD
Memorial Sloan Kettering Cancer Center
GUERBET/RSNA RESEARCH SCHOLAR GRANT
Percutaneous Breast MRI Biopsy as an Alternative to Surgery in Diagnosing a Complete Pathologic Response Post Neoadjuvant Chemotherapy

Leo L. Tsai, MD, PhD, MSc
Beth Israel Deaconess Medical Center
AGFA HEALTHCARE/RSNA RESEARCH SCHOLAR GRANT
Regional Variations in Tumor Metabolism and Proliferation Reflecting a Non-uniform Tumor Micro-environment: In Vivo Assessment with Hyperpolarized 13C MRI

Shandong Wu, PhD, MSc
University of Pittsburgh
GE HEALTHCARE/RSNA RESEARCH SCHOLAR GRANT
Combined Blocking of Aerobic and Anaerobic Glycolytic Metabolism Pathways in Improving Treatment Response Following Transarterial Embolization of Hepatocellular Carcinoma

Hooman Yarmohammadi, MD
Memorial Sloan Kettering Cancer Center
RSNA RESEARCH SCHOLAR GRANT
Validation of Optimized Dixon-based MRI Techniques for Noninvasive Evaluation of Renal Steatosis

Takeshi Yokoo, MD, PhD
UT Southwestern Medical Center
SIEMENS HEALTHINEERS/RSNA RESEARCH SCHOLAR GRANT
Dual Energy Extracellular Volume Mapping for Optimized Detection of Focal Myocardial Fibrosis with Cardiac Computed Tomography

Stefan L. Zimmerman, MD
Johns Hopkins University School of Medicine
RSNA RESEARCH SCHOLAR GRANT
Dual Energy Extracellular Volume Mapping for Optimized Detection of Focal Myocardial Fibrosis with Cardiac Computed Tomography
RESEARCH SEED GRANT

Using his 2016 Hitachi Medical Systems/RSNA Research Seed Grant, Derik L. Davis, MD, will evaluate the association of intramuscular fatty infiltration, functional outcomes and re-tear rate following surgical repair of rotator cuff tears.

“Successful completion of this research may provide clinical radiologists, orthopaedic surgeons and rehabilitation specialists with a new paradigm to improve treatment of rotator cuff tears over the current standard of care.”

— Derik L. Davis, MD
2016 Hitachi Medical Systems/RSNA Research Seed Grant Recipient
Sara Lewis, MD
Mount Sinai Medical Center
RSNA Research Seed Grant
MRI-based Surrogate Imaging Markers of Transcriptome Subclasses and Signatures in Hepatocellular Carcinoma

Timur Mitin, MD, PhD
Oregon Health & Science University
Toshiba America Medical Systems/RSNA Research Seed Grant
Novel Imaging of Lymph Nodes in Patients with Rectal Cancer Using Ferumoxytol-enhanced MRI

Nima Nabavizadeh, MD
Oregon Health & Science University
RSNA Research Seed Grant
Circulating Tumor DNA in Plasma of Patients Undergoing Trimodality Therapy for Esophageal Cancer: A Potential Tool for Neoadjuvant Treatment Response Assessment

Thanh Binh Nguyen, MD
The Ottawa Hospital, University of Ottawa
Bayer Healthcare/RSNA Research Seed Grant
Preoperative Identification of Isocitrate Dehydrogenase Mutation in Gliomas using MR Spectroscopy, Diffusion-weighted and Perfusion-weighted Imaging

O. Kenechi Nwawka, MD
Hospital for Special Surgery, New York
RSNA Research Seed Grant
Use of Elastography to Quantify Change in Upper Extremity Muscle Spasticity Following Botox Injection in Children with Spastic Cerebral Palsy

Prashant Raghavan, MD
University of Maryland
RSNA Research Seed Grant
Neural Network Disruption in Perinatal Hypoxic Ischemic Injury as a Predictor of Neurodevelopmental Outcome

Ty Kanyn Subhawong, MD
University of Miami
Toshiba America Medical Systems/RSNA Research Seed Grant
Semi-automated qMRI to Assess Desmoid Tumor Volumetric and Stromal Changes Induced by Systemic Therapy

Mubin Isaac Syed, MD
Dayton Interventional Radiology
Cook Medical Cesare Gianturco/RSNA Research Seed Grant
Gastric Artery Embolization Trial for LEssening Appetite Nonsurgically Part 2 (GET LEAN II)

Aradhana Mukherjea Venkatesan, MD
The University of Texas MD Anderson Cancer Center
Toshiba America Medical Systems/RSNA Research Seed Grant
Functional and Metabolic Imaging Biomarkers of Radiation Response in High Risk HPV+ Tumors

Etay Ziv, MD, PhD
Memorial Sloan Kettering Cancer Center
RSNA Research Seed Grant
Signaling Pathways Predictive of Response to Radioembolization of Colorectal Liver Metastases
Despite ongoing advances in neurocritical care, there continues to be no readily available clinical tool for objective measurement of brain activity in comatose patients.

2016 RSNA Research Resident Grant recipient Allen Ardestani, MD, PhD, will investigate the use of near-infrared spectroscopy to quantify neural network connectivity in unconscious patients. Quantitative assessment of neural activity and its correlation with subsequent neurologic outcome may provide a diagnostic and prognostic methodology for the objective assessment of neural injury following an injury to the brain.

— Allen Ardestani, MD, PhD
2016 RSNA Research Resident Grant Recipient
Pippa Cosper, MD, PhD  
Washington University in St. Louis  
**RSNA Research Resident Grant**  
Identifying Human and Viral Transcriptional Profiles in Cervical Tumors During Chemoradiation that Can Predict for Treatment Response  

Jamal J. Derakhshan, MD, PhD  
University of Pennsylvania  
**Siemens Healthineers/RSNA Research Fellow Grant**  
Feasibility Assessment and Technical Development of Noninvasive Globe Temperature Measurement and Mapping Using DWI-thermometry MRI  

Rahul S. Desikan, MD, PhD  
University of California, San Francisco  
**Ralph Schlaeger Charitable Foundation Research Fellow Grant**  
An Automated Atlas of the Human Brainstem and Cerebellum  

Rebecca A. Dumont Walter, MD  
University of California, San Francisco  
**RSNA Research Fellow Grant**  
Exploiting Bacterial Iron Metabolism for Spinal Infection Imaging with Positron Emission Tomography  

Laura Burns Eisenmenger, MD  
University of Utah  
**RSNA Research Resident Grant**  
Development of an MRI-compatible Vessel Wall Inflammation Animal Model  

Christine Elissa Eyler, MD, PhD  
Dana Farber Cancer Institute  
**Varian Medical Systems/RSNA Research Resident Grant**  
Integrated Epigenomic Analysis to Identify Determinants of Radiation Response in Mouse Lung Tumors Treated with Image-guided Conformal Radiotherapy  

Erin Gillespie, MD  
University of California, San Diego  
**RSNA Research Resident Grant**  
Develop and Test a Novel Interactive Contouring Atlas for Radiation Oncology  

George Daniel Grass, MD, PhD  
University of South Florida/H. Lee Moffitt Cancer Center & Research Institute  
**RSNA Research Resident Grant**  
Targeting Metabolic Complexes in Small Cell Lung Cancer to Augment Radiosensitivity  

Aaron Joseph Grossberg, MD, PhD  
The University of Texas MD Anderson Cancer Center  
**RSNA Research Resident Grant**  
The Role of Orexin Signaling in Brain Radiation-induced Fatigue  

Pedram Heidari, MD  
Massachusetts General Hospital  
**RSNA Research Resident Grant**  
Redifferentiation of Neuroendocrine Carcinomas for Improved Efficacy of Molecularly Targeted Radiotherapy  

Pedram Heidari, MD, (left) with scientific advisor and past R&E grant recipient Umar Mahmood, MD, PhD
Wen Jiang, MD, PhD  
The University of Texas MD Anderson Cancer Center  
**RSNA Research Resident Grant**  
Combining Radiation with Phosphatidylerosine Blockade Promotes Immunogenic Phagocytosis and Generates Long-lasting Anti-tumor Immunity

Sarah N. Khan, MD  
University of California, Los Angeles  
**Philips/RSNA Research Resident Grant**  
Tumor MicroRNA Expression Profiles as Biomarkers for Predicting Hepatocellular Carcinoma Tumor Response to Y90 Radioembolization

Benjamin H. Lok, MD  
Memorial Sloan Kettering Cancer Center  
**Philips/RSNA Research Resident Grant**  
Utilizing a Novel [18F]PARPi PET Radiotracer to Predict the Efficacy of PARP Inhibitor Radiosensitization in Small Cell Lung Cancer

Jonathon Kirk Maffie, MD, PhD  
Columbia University  
**Prince Research Resident Grant**  
Anatomical Covariance of Fetal Brain Regions as a Tool to Identify Early Developmental Pathology of Intrinsic Brain Networks

Hugh C.J. McGregor, MD  
University of California, San Francisco  
**RSNA Research Fellow Grant**  
In Vivo Endothelial Cell Gene Expression Analysis of Venous Outflow Stenoses in Hemodialysis Arteriovenous Fistulas Utilizing a Novel Endovascular Sampling Technique

Amanda M. Murphy, MD, PhD  
University of Toronto  
**RSNA Research Fellow Grant**  
VIPER-DCI: Vascular-Perfusion Imaging for Prediction and Early Recognition of DCI and Relationship to Clinical Outcome

Michael F. Regner, MD  
University of Colorado  
**Hitachi Medical Systems/RSNA Research Resident Grant**  
Insular Inhibitory Neuromodulation to Reduce Cigarette Craving and Alter Brain fMRI Connectivity and Activity Patterns in Smokers

Pavel Rodriguez, MD  
The University of Texas Health Science Center at San Antonio  
**RSNA Presidents Circle Research Resident Grant**  
Pilot Phase II Clinical Trial: Efficacy of Methylene Blue in Mild Cognitive Impairment

Ashley Sekhon, MD  
The Ohio State University  
**FUJIFILM Medical Systems/RSNA Research Resident Grant**  
Feasibility of Creating a Cosmetic Image Analysis Objective (CIAO) Scoring Tool for Evaluation of Cosmetic Results From Breast Conserving Therapy

Mark Anthony Sellmyer, MD, PhD  
University of Pennsylvania  
**Philips/RSNA Research Resident Grant**  
Multifunctional PET Radiotracers for Quantitative Reporter Gene and Bacterial Imaging
Sina Tavakoli, MD
University of Washington
RSNA Research Fellow Grant

Michael C. Veronesi, MD, PhD
The University of Chicago
Silver Anniversary Campaign Pacesetters Research Fellow Grant
Validation of PET/CT Radiolabeled Nanoparticle Imaging for Intranasal Drug Delivery to the Brain

Daniel Richard Wahl, MD, PhD
University of Michigan
RSNA Research Resident Grant
Inhibiting Isocitrate Dehydrogenase 1-mediated Reductive Biosynthesis to Augment Glioblastoma Therapy

Eric Wehrenberg-Klee, MD
Massachusetts General Hospital
RSNA Research Fellow Grant
HER3 PET Imaging for HER2+ Breast Cancer Adaptive Therapy Guidance

Kaveh Zakeri, MD, MAS
University of California, San Diego
RSNA Research Resident Grant
Restriction Spectrum Imaging as a Novel Biomarker of Treatment Response in Cervical Cancer

2016 RSNA Research Medical Student Grant recipient Angel Morán, BS, with scientific advisor Tokihiro Yamamoto, PhD, and Megan Daly, MD, will investigate the utility of computed tomography (CT)/18F-FDG positron emission tomography (PET) multimodality imaging-based radiomics for personalized risk stratification of locally advanced non-small cell lung cancer (LA-NSCLC).

“If validated, this approach could potentially be utilized to personalize treatment for LA-NSCLC and improve clinical outcomes.”

— Angel Morán, BS
2016 RSNA Research Medical Student Grant Recipient
Thomas Battey, BS  
*University of Maryland*  
**RSNA Research Medical Student Grant**  
Prediction of Post-traumatic Abdominal Compartment Syndrome Using Computed Tomography and Semi-automated Segmentation of Intra-abdominal Fluid Volumes

Mark Alexander Forsberg, BS  
*Thomas Jefferson University*  
**Canon U.S.A./RSNA Research Medical Student Grant**  
Evaluation of Fluoroscopic Image Quality Using Quantitative Metrics Derived From Clinical Images

Mansur Ghani, BS  
*Yale University*  
**RSNA Research Medical Student Grant**  
Early Survival Prediction After Radioembolization for HCC: A 3D Quantitative MRI Assessment of Tumor Response

Christopher Thomas Hensley, PhD  
*UT Southwestern Medical Center*  
**RSNA Research Medical Student Grant**  
Understanding the Cellular Origins of Tumor Tracer Data in Non-small Cell Lung Cancer Tumors

Xiaojing Huang, PhD  
*Washington University in St. Louis*  
**RSNA Research Medical Student Grant**  
Effect of Glucose Metabolism on Sensitivity to Chemoradiation in Cervical Cancer Cells

Manoj Jagani, BS  
*Mayo Clinic, Minnesota*  
**RSNA Research Medical Student Grant**  
RNA Sequencing Analysis and Quantification of Intracranial Gadolinium Deposition in a Rat Model

Brian Gabriel Jiang, BS  
*Duke University*  
**RSNA Research Medical Student Grant**  
Optimization of a Frequency-based Fusion Technique for Improving the Image Quality on Low Energy Virtual Monochromatic Images From Dual Energy CT

Aasheesh Kanwar, BS  
*The University of Texas MD Anderson Cancer Center*  
**RSNA Research Medical Student Grant**  
Radiomic Assessment of Oropharyngeal Cancers Treated with Radiation Therapy: Predictive and Prognostic Quantitative Imaging Biomarkers From CT Texture Analysis

Mike Kwon, MSBME  
*University of Southern California*  
**RSNA Research Medical Student Grant**  
Lacunar Viewpoint of Renal Masses: A Quantitative Technique

Howard Jinsoo Lee, BA  
*Enrolled at Duke University Medical School*  
Research conducted at University of Washington  
**RSNA Research Medical Student Grant**  
Correlation of Functional Imaging Heterogeneity in Lung Cancer Radiation Treatment to Clinical Outcomes of Toxicity and Efficacy with SPECT/CT Ventilation/Perfusion Scans and FDG PET/CT Scans
Shruti Mishra, BS  
*Washington University in St. Louis*  
**RSNA Research Medical Student Grant**  
Quantitative Assessment of In Vivo Tau Pathology in Preclinical Alzheimer Disease and Early Dementia

Angel Morán, BS  
*University of California, Davis*  
**RSNA Research Medical Student Grant**  
Combined PET/CT-based Radiomics Modeling for Locally Advanced Non-small Cell Lung Cancer: Toward Personalized Radiotherapy

Michael Nguyentat, BA  
*University of California, Irvine*  
**RSNA Research Medical Student Grant**  
Risk Assessment of Prostate Lesions by Utilizing Multiparametric MRI PIRADsV2 and MRI/Transrectal Ultrasound (TRUS) Fusion Biopsy

Jeremy Paluch, BS  
*University of Southern California*  
**RSNA Research Medical Student Grant**  
Utility of Shear Wave Elastography to Assess Liver Fibrosis in Liver Transplant Patients with Chronic Liver Disease

Neil Panjwani, BSE  
*University of California, San Diego*  
**RSNA Research Medical Student Grant**  
Develop and Test a Novel Interactive Contouring Atlas for Radiation Oncology

Sherven Nick Parivash, MS  
Enrolled at Duke University Medical School  
Research conducted at Stanford University  
**RSNA Research Medical Student Grant**  
Characterizing the Radiologic Abnormalities Observed in Chronic Fatigue Syndrome and Assessing the Potential Use of Advanced MRI in Clinical Diagnosis

Benjamin Vincent Park, PhD  
*University of Illinois at Chicago*  
**RSNA Research Medical Student Grant**  
Histological Evaluation of Radiologic Diagnosis in HCC Patients After Y90 Radioembolization

Jean-Pierre Obeid, BS  
*University of Miami*  
**Philips/RSNA Research Medical Student Grant**  
Multiparametric Evaluation of Preoperative MRI in Early Stage Breast Cancer: Prognostic Impact of Peri-tumoral Fat

Charles Puza, BA  
*Duke University*  
**RSNA Research Medical Student Grant**  
Investigation of Mechanisms of Thermal Ablation Zone Enlargement When Combined with Transarterial Embolization for Treatment of Liver Tumors

Omid Shearkhani, HBSc  
*University of Toronto*  
**RSNA Research Medical Student Grant**  
Developing and Evaluating the Accuracy of a Jacobian Operator-based Vector Displacement Field Technique to Detect Volume Changes of Metastatic Brain Tumors in Serial MR Imaging of the Brain
Jacob Scott Thurston, BS
Medical College of Wisconsin
FUJIFILM Medical Systems/RSNA Research Medical Student Grant
Cost-effective Analysis of Percutaneous Femoral Artery Access in Endovascular Aortic Repair

Chidubem Godwin Ugwueze, MS
University of Southern California
RSNA Research Medical Student Grant
Three Dimensional Texture Analysis of Perirenal Fat as an Image Based Predictor of Intra-operative Adherent Perinephric Fat

Janis Yee, BA
University of Southern California
RSNA Research Medical Student Grant
Time Intensity Curve Analysis of Contrast Enhanced Ultrasound in Renal Masses

Jason Yoon, BA
Washington University in St. Louis
RSNA Research Medical Student Grant
Next-generation Radioimmunotherapy: Characterizing Fully Human Monoclonal Anti-CD20 Antibodies Labeled with Zirconium-89

Andrew Zureick, AB
Enrolled at University of Michigan Medical School
Research conducted at Massachusetts General Hospital
RSNA Research Medical Student Grant
Quantitative MRI Analysis of Radiotherapy-induced Structural, Functional and Developmental Changes in the Brain: Potential Predictors of Adverse Neurocognitive Effects in Pediatric Brain Tumor Survivors

With her 2015 GE Healthcare/RSNA Education Scholar Grant, Bhavya Rehani, MD, launched RISE: Radiology International Student Education, a web-based educational program which provides virtual classroom remote access with interactive hands-on training to international radiology residents and faculty during real time radiology lectures in the U.S. Neuroradiology lectures at San Francisco General Hospital were presented to radiology residents at Kenyatta National Hospital in Nairobi, Kenya. The program is currently being expanded to other sites.

— Bhavya Rehani, MD
2015-2017 GE Healthcare/RSNA Education Scholar Grant Recipient
Marc H. Willis, DO
Baylor College of Medicine
**GE Healthcare/RSNA Education Scholar Grant**
Technology Enhanced Learning: Medical Student Education Simulation Utilizing Clinical Decision Support (Teaching Medical Students to Select the ‘Right Test’ at the ‘Right Time’ for the ‘Right Reason’)

Lonie R. Salkowski, MD
University of Wisconsin - Madison
School of Medicine and Public Health
**RSNA Education Scholar Grant**
Investigation of a Radiology-based Three-dimensional Simulation to Explore Attributes of Novice and Expert Learners in their Process of Correlating and Sense-making of Medical Images with the Human Body

Andrew B. Rosenkrantz, MD
NYU Langone Medical Center
**AUR/RSNA Education Scholar Grant**
Design of an Interactive, Case-Based Online Tutorial for Prostate MRI Interpretation Using PI-RADS

Indranil Mallick, MD, DNB
Tata Medical Center, Kolkata, India
**GE Healthcare/RSNA Education Scholar Grant**
AVARO - Applied Virtual Anatomy for Radiation Oncology: Teaching Radiological Anatomy for Target Delineation and Image Guidance Using Interactive Online Tools for Large Audiences

Jie Zhang, PhD
University of Kentucky
**RSNA Education Scholar Grant**
Curriculum Development for Hands-on Physics Education of Residents in Diagnostic Radiology

Kofoworola O. Soyebi, MBChB
University of Lagos, Idi-Araba, Lagos, Nigeria
**Derek Harwood-Nash Education Scholar Grant**
Capacity Building in Nigeria for Sickle Cell Disorder Related Stroke Prevention

Andres R. Ayoob, MD
University of Kentucky
**Phillips/RSNA Education Scholar Grant**
Development of a Web-based Curriculum to Prepare Diagnostic Radiology Residents During their Post-graduate Year 1 by Promoting Learning via Retrieval Practice and Spaced Repetition
“I would like to express my sincerest thanks to the Radiological Society of North America for establishing the RSNA Roentgen Resident/Fellow Research Award. I am humbled, honored and grateful to be one of the recipients of the award this year. Receiving this prestigious award encourages me to continue pursuing my dream of becoming an academic radiology-scientist with unyielding perseverance. Thank you very much indeed.”

— Elizabeth Tong, MD, MS
Mougnyan Cox, MD
Thomas Jefferson University Hospital

Brittany Dashvsky, MD, DPhil
University of Chicago

Eric A. Davalos, MD
Harbor-UCLA Medical Center

Trent W. Davis, MD
St. Joseph’s Hospital and Medical Center

Sarah M. Deraney, MD
University of Kentucky

Aditi A. Desai, MD
Vanderbilt University Medical Center

Stephane Desouches, DO
University of Missouri–Kansas City

Alberto Diaz de Leon III, MD
The University of Texas Southwestern Medical Center

Elizabeth H. Dibble, MD
Rhode Island Hospital
Brown Medical School

John T. Doan, MD
The University of Oklahoma Health Sciences

Caleb R. Dulaney, MD
University of Alabama at Birmingham

Benjamin Durkee, MD, PhD
Stanford University

Eric C. Ehman, MD
University of California, San Francisco

Aaron C. Eifler, MD
Stanford University

Neil C. Estabrook III, MD
Indiana University School of Medicine

Joseph R. Evans, MD, PhD
University of Michigan

Aaron D. Falchook, MD
University of North Carolina at Chapel Hill

Austin Faulkner, MD
University of Tennessee Graduate School of Medicine

Kevin ‘Gabe’ Garrett, MD
Medical University of South Carolina

Anish Ghodadra, MD
University of Pittsburgh Medical Center

Lana Hirai Gimber MD, MPH
University of Arizona

Scott Glaser, MD
University of Pittsburgh Medical Center

Behrad Golshani, MD
University of California Davis Health System

Marisa R. Gossweiler, DO
Madigan Army Medical Center

Amit Gupta, MBBS, MD
University Hospitals Case Medical Center

Nishant Gupta, MD
St. Vincent’s Medical Center

Matthew Guy, DO
Grandview Medical Center
Kettering Health Network

Benedikt H. Heidinger, MD
Beth Israel Deaconess Medical Center

Irene Hotalen, MD
Maimonides Medical Center

Bing Hu, MD
Albert Einstein Medical Center

Junjian Huang, MD
Advocate Illinois Masonic Medical Center

Thien Huynh, MD, MSc
University of Toronto

Ichiro Ikuta, MD, MMSc
Norwalk Hospital

Ashish Jani, MD
Columbia University Medical Center

Chunzi Jenny Jin, MD
Queen’s University

Patricia C. Jo, MD
University of Calgary

Charles E. Johnson, MD
Naval Medical Center Portsmouth

Vivek Joshi, MD
Icahn School of Medicine at Mount Sinai

Amit D. Kalaria, MD
MedStar Georgetown University Hospital

Vivek Kalia, MD, MPH
The University of Vermont Medical Center

Jay A. Karajgikar, MD
Northwell Health

Michael Sean Kelleher Jr., MD
Yale University School of Medicine

Andrew Kesselman, MD
SUNY Downstate Medical Center
University Hospital of Brooklyn

Mohammed M. Khadir, MD
University of Rochester Medical Center

Omid Khalilzadeh, MD, MPH
Mount Sinai Beth Israel

Bhavraj S. Khalsa, MD
University of California, Irvine

Shariq S. Khwaja, MD, PhD
Washington University

Adam King, MD
Southern Illinois University School of Medicine

Matthew Knecht, MD
Loma Linda University Health

Nima Kokabi, MBBS
Emory University

Ni O. Koney, MD, MBA
Mount Sinai West

Hemang Kotecha, DO
University of Massachusetts Memorial Medical Center

Manohar Kuruvu, MBBS
University of Arkansas for Medical Sciences

Stephanie Lam, MD
McGill University

Ryan M. Lanning, MD, PhD
Memorial Sloan Kettering Cancer Center

Carlos Leiva-Salinas, MD, PhD
University of Virginia Health System

Jolinta Lin, MD
University of Maryland Medical Center

Brendan Litt, MD
Queen’s University

Bo Liu, MD
Florida Hospital

Mina Makary, MD
The Ohio State University Wexner Medical Center

Erik Maki, MD
Oregon Health & Science University

Colin D. McKnight, MD
University of Michigan

Scott McLaughlin, DO
Temple University

Michael S. McLaughlin, MD
University of Utah

Sebastian R. McWilliams, MBBS
Washington University
Kirtesh R. Patel, MD  
Winship Cancer Institute at Emory University

Seyedehdi Payabvash, MD  
University of Minnesota

Dinushi S. Perera, MD  
Pennsylvania Hospital/University of Pennsylvania Health System

Julio Arevalo Perez, MD  
Memorial Sloan Kettering Cancer Center

Michael Thomas Perry, MD  
Ochsner Clinic Foundation

Yuri E. Peterkin, MD  
Winthrop-University Hospital

Steven Peti, MD  
Staten Island University Hospital

Nhat-Long L. Pham, MD, PhD  
University of California, San Diego

Jeffrey D. Poot, DO  
Penn State Hershey Medical Center

Jeffrey W. Prescott, MD, PhD  
Duke University Medical Center

Akshat C. Pujara, MD  
New York University School of Medicine

Cody Ryan Quirk, MD  
Baylor University Medical Center at Dallas

Ina Radtke, MD, PhD  
Methodist University Hospital University of Tennessee

David R. Rajaratnam, MD  
Loma Linda University Health

Cyrus Raji, MD, PhD  
University of California, Los Angeles Medical Center

David R. Raleigh, MD, PhD  
University of California, San Francisco

Adrian Charles Reagan, MD  
University of British Columbia

Michael F. Regner, MD  
University of Colorado

Michele Retrouvey, MD  
Eastern Virginia Medical School

David A. Reynolds, DO  
Walter Reed National Military Medical Center

Charlotte I. Rivers, MD  
Roswell Park Cancer Institute

Michael Rivers-Bowerman, MD, MSc, Rhodes Scholar  
Dalhousie University

Charles E. Rutter, MD  
Yale-New Haven Hospital

Michelle D. Sakala, MD  
Wake Forest School of Medicine

Christopher D. Sanders, MD  
David Grant USAF Medical Center

Arthy Saravanan, MD  
Aultman Hospital

Andrew Schapiro, MD  
Cincinnati Children’s Hospital Medical Center

Rebecca Schickman, MD  
Jacobi Medical Center

John C. Schuler, MD  
Medical University of South Carolina

Jignesh N. Shah, MD  
LeBonheur Children’s Hospital

Brandon M. Shearer, DO  
Hahnemman University Hospital Drexel University College of Medicine

Andrew C. Sher, MD  
Texas Children’s Hospital

Avner Meoded, MD  
Johns Hopkins Medicine

Omar Y. Mian, MD, PhD  
Johns Hopkins Medicine

Joseph M. Miller, MD  
Cedars-Sinai Medical Center

Matthew Jochem Miller, MD  
West Virginia University

Nathan G. Miller, MD  
University of Iowa Hospitals and Clinics

Darrin Mitchell, MD, PhD  
University of Iowa Hospitals and Clinics

Nima Momenin, MD  
Detroit Medical Center Wayne State University

Andres Moreno-De-Luca, MD  
Geisinger Medical Center

Elena Motuzko, MD  
Cooper University Hospital

Anand Narayan, MD, PhD  
Johns Hopkins Medicine

Lorenzo Nardo, MD  
University of California, San Francisco

Andrew Scott Niekamp, MD  
The University of Texas Health Science Center at Houston

Nisha Ohri, MD  
Mount Sinai Health System

Emily S. Orscheln, MD  
University of Cincinnati Medical Center

Anish J. Patel, MD  
Tulane University School of Medicine

Bhumin Patel, MD  
Baptist Memorial Hospital—Memphis

Tiffany M. Sills, MD, PhD  
University of North Carolina School of Medicine

Manu K. Singh, MD  
Santa Barbara Cottage Hospital

Justin W. Skweres, MD  
Louisiana State University Health—Shreveport

Clayton A. Smith, MD, PhD  
Vanderbilt University Medical Center

Sara E. Smolinski, MD  
Baystate Medical Center

Amanda R. Smolock, MD, PhD  
University of Wisconsin School of Medicine and Public Health

Susan Sotardi, MD, MS  
Montefiore Medical Center

Bradley J. Stish, MD  
Mayo Clinic, Rochester

Paul B. Stoddard, MD  
University of Maryland Medical Center

Sri Hari Sundararajan, MD  
Rutgers Robert Wood Johnson Medical School
Angela Tong, MD, MS  
Westchester Medical Center

Elizabeth Tong, MD, MS  
University of Virginia Health System

Bryan J. Traugher, MD  
University Hospitals Case Medical Center

Katie S. Traylor, DO  
Christiana Care Health System

Daniel M. Trifiletti, MD  
University of Virginia Health System

Christian B. Van Der Pol, MD  
University of Ottawa

Sean M. Vance, MD  
Henry Ford Hospital

Steve A. Walston, DO  
The Ohio State University  
Wexner Medical Center

Zabihullah Wardak, MD  
The University of Texas Southwestern Medical Center

Jeffrey Ware, MD  
University of Pennsylvania

Gene M. Weinstein, MD  
Tufts Medical Center

Mariah L. White, MD  
Mayo Clinic, Rochester

Scott Willard, MD  
Texas A&M College of Medicine  
Baylor Scott & White Health

Michael Wong, MD  
Lenox Hill Hospital

Neil Woody, MD  
Cleveland Clinic

Jeremy R. Wortman, MD  
Brigham and Women’s Hospital  
Harvard Medical School

Felix Y. Yap, MD  
Los Angeles County + University of Southern California Medical Center

David W. Zaenger, MD  
Augusta University

Nader Z. Zakhari, MBCh  
Ottawa University

Mark A. Zaki, MD  
Wayne State University
THREE EASY WAYS TO GIVE

VISIT
RSNA.org/Donate

CALL
1-800-381-6660

EMAIL
REfoundation@rsna.org