First, let me start by saying thank you.

The challenges of the last few years have been daunting. When faced with adversity, we have remained steadfast in our commitment to the future of radiology and continued to move forward. Much like developing film, once it is in the solution, the outline of the image is there, but it takes patience to see how the details will emerge. While we see the outline of radiology’s future, it takes the right solution, planning and determination to focus on how our specialty will develop.

Investing in the future of radiology by developing investigators and supporting lifelong innovative research and education are the cornerstones of the RSNA R&E Foundation’s mission. The generosity of our donors allows us to make this investment. In 2022, our Board of Trustees approved more than $4 million in grant funding support for 91 individuals across 46 institutions, who are at all stages of their careers. We are proud to lead the specialty in funding radiology’s future. Learn about our funded research and education projects in this booklet.

Since the R&E Foundation’s inception in 1984, we have awarded $70 million in funding for over 1,600 grant projects, and that is just the beginning. According to our survey, for every $1 the Foundation gives, investigators receive a minimum of $50 in additional funding from other sources, like the National Institutes of Health. In all, our $70 million has resulted in over $3 billion in funding for radiology research and education.

Your donation makes a lasting impact on the future of our field and inspires the promising researchers and educators we fund. Supporting the R&E Foundation means supporting the advancement of the radiologic sciences—94% of every dollar you donate goes directly toward research and education that improves patient care. Our grant recipients have discovered some of today’s most innovative procedures that have directly benefitted countless patients.

In 2023 with your support, we will continue to advance the field through research grants that help investigators secure further research funding. And, we will continue to provide education grants that help radiology educators create new ways of teaching, assessing and promoting the next generation of radiology leaders. Your incredible generosity allows us to focus on a future of groundbreaking discoveries and innovation.

We look forward to your continued support and thank you, as always, for investing in our Foundation.

Sincerely,

Vijay M. Rao, MD
Chair, R&E Foundation Board of Trustees
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Percent of grant dollars awarded by grant type in 2021

GRANT AND AWARD DESCRIPTIONS

RESEARCH SCHOLAR GRANT
The Foundation’s premier career development grant is designed to transition junior faculty to independent investigators. Funding protects research time to conduct complex projects under the guidance of a mentor and scientific advisor.

RESEARCH SEED GRANT
Every great discovery starts with a spark. This grant provides seed money to test hypotheses and conduct pilot studies to prepare major grant applications to corporations, foundations and government agencies.

RESEARCH RESIDENT/FELLOW GRANT
This grant provides investigators a chance to explore powerful ideas, gain insight into specific investigations and practice research methods and techniques.

RESEARCH MEDICAL STUDENT GRANT
Exposure to radiology in medical schools ignites a passion and encourages students to consider academic radiology as an option for their future. A summer project can turn into a career-long pursuit of research and discovery.

DEREK HARWOOD-NASH INTERNATIONAL EDUCATION SCHOLAR GRANT
This grant funds investigators looking to affect radiology education around the world. All projects are eligible for funding as long as they are on an international scale.

RSNA/AUR/APDR/SCARD RADIOLOGY EDUCATION RESEARCH DEVELOPMENT GRANT
This grant helps to build a critical mass of radiology education researchers and promotes the careers of those with passion to advance the science of radiology around the world.

EDUCATION PROJECT AWARD
This project award is intended to recognize and highlight the impact of educators by providing supplemental funding for new or ongoing education projects.
Through the generosity of our donors, the RSNA R&E Foundation is able to continue its investment in R&D for radiology.

The Foundation acknowledges 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.

Derek Harwood-Nash, MD
Joan Eliasoph Charitable Remainder Annuity Trust
Marten F. Klop
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.
Christian B. Van Der Pol

“I am extremely grateful to the RSNA R&E Foundation for providing me with invaluable support and recognition to pursue individual patient data meta-analyses on the Liver Imaging Reporting and Data System (LI-RADS). This award has facilitated our team’s efforts to pool, harmonize and analyze data from a broad-based international cohort of patients at risk for liver cancer with the aim of advancing the science of liver imaging. Along with my Scientific Advisor for this project, Matthew McInnes, MD, I look forward to sharing the results of our work which we hope will improve our understanding of liver imaging and ultimately lead to improved patient outcomes.”
AMIT GUPTA, MD
University Hospitals Cleveland Medical Center
Lung T1 Mapping and Non-Contrast MR Angiography: A Noninvasive Method for Assessment of Pulmonary Vasculature and Perfusion Abnormalities in Patients With Chronic Thromboembolic Pulmonary Hypertension
RSNA Research Scholar Grant

LEWIS HAHN, MD
University of California, San Diego
Deep Learning-Based Prediction of Chronic Thromboembolic Pulmonary Hypertension
Carestream Health/RSNA Research Scholar Grant

LESLIE LAMB, MD, MSC
Massachusetts General Hospital
Strategy To Reduce Disparities in Breast Cancer Risk Assessment Using Artificial Intelligence
Siemens Healthineers/RSNA Research Scholar Grant

YOO JIN LEE, MD
University of California, San Francisco
Imaging of Active Myocardial Fibrosis Using $^{68}$Ga-FAP-2286
Bracco Diagnostics Inc./RSNA Research Scholar Grant
KIRTI MAGUDIA, MD, PHD
Duke University School of Medicine
Optimizing Preoperative Assessment and Postoperative Management of Bariatric Surgery Patients With Fully Automated, High Throughput and Normalized Ct-Based Body Composition Analysis
Joan Eliasoph, MD/RSNA Research Scholar Grant

DEVARATI MITRA, MD, PHD
University of Texas MD Anderson
Prediction of Radiation Therapy-Associated Toxicity To Correct a Race-Based Disparity
RSNA Research Scholar Grant

MARWAN MOUSSA, MD
Beth Israel Deaconess Medical Center
Combinational Thermal Ablation and Nanodrug Immunomodulation To Promote Anti-Tumor Immunity
RSNA Research Scholar Grant

AMANDA R. SMOLOCK, MD, PHD
The Medical College of Wisconsin, Inc
Understanding the Effect of Histotripsy on Tumor Hypoxia in a Pancreatic Cancer Model
RSNA Research Scholar Grant

MARYAM SOLTANOLKOTABI, MD
University of Utah
Quantitative Bone SPECT/CT and Its Role in Osteoarthritis Imaging & Management: A Pilot Study on the Hand & Wrist
RSNA Research Scholar Grant
SCOTT M THOMPSON, MD, PHD
Mayo Clinic Rochester
Intraindividual Comparison of Hepatic Intraarterial Versus Systemic Intravenous 68Ga-PSMA PET/CT in Patients With HCC
RSNA Research Scholar Grant

ANGELA TONG, MD
New York University Grossman School of Medicine
Added Value of Quantitative MR Imaging to Radiologists and Deep Learning Based Computer Aided Detection of Prostate Cancer on Prostate MRI
RSNA Research Scholar Grant

CHRISTIAN B. VAN DER POL, MD, FRCPC
Hamilton Health Sciences
Liver Imaging Reporting and Data System (LI-RADS) Diagnostic Test Accuracy Individual Patient Data (IPD) Meta-Analysis
RSNA Research Scholar Grant

MICHAEL VERONESI, MD, PHD
Indiana University
Development of Neuroimaging Biomarkers Using Simultaneous FET PET and MR CEST for Combination Therapy Against Glioblastoma.
RSNA Research Scholar Grant

VIVEK YEDAVALLI, MD, MS
Johns Hopkins School of Medicine
Deep Learning Models Using Baseline Comprehensive CT Stroke Collateral Imaging in Cerebral Angiographic Collateral, Post Procedural Hemorrhagic Transformation, and Clinical Outcomes Predictions for Increasing Endovascular Thrombectomy Eligibility in the Late Time Window
Guerbet/RSNA Research Scholar Grant
“The Cannon Medical Systems USA, Inc./RSNA Research Seed Grant has given me the opportunity to delve into patient-centered research to further understand an individual’s experience participating in lung cancer screening. Ultimately, the goal of this research is to reduce lung cancer mortality through identifying actionable interventions that both decrease the negative impact associated with screening and reduce health disparities associated with screening. I am so grateful for this experience and for the support of my mentor, Ruth Carlos, MD.”
ERIN F. ALAIA, MD
New York University Grossman School of Medicine
Clinical Utility of Knee and Hip MRI for Atraumatic Pain in Patients Aged 50 and Older: A Comparative-Effectiveness Based Analysis
FUJIFILM Healthcare Americas Corporation/RSNA Research Seed Grant

SCOTT BUGENHAGEN, MD, PHD
Mallinckrodt Institute of Radiology
Absolute Perfusion Reserve: Theory and Measurement of a New Metric for Coronary Lesion Grading
Philips/RSNA Research Seed Grant

ADAM FANG, MD, DABR, RPVI
University of Maryland School of Medicine
Development and Integration of an Inferior Vena Cava Filter Alert System Using a Novel Natural Language Processing Tool To Identify Eligible Patients for Filter Retrieval
Joan Eliasoph, MD/RSNA Research Seed Grant

PETER GOFF, MD, PHD
University of Washington
Inhibiting the Replication Checkpoint To Augment the Immunogeneity of Radiotherapy
RSNA Research Seed Grant
PANKAJ GUPTA, MD
Postgraduate Institute of Medical Education and Research, Chandigarh
Deep Learning Radiogenomics for Individualized Therapy in Unresectable Gallbladder Cancer
RSNA Research Seed Grant

JORGE DANIEL OLDAN, MD
University of North Carolina - Chapel Hill
18-FluorofuranylNorprogesterone (FFNP) PET/CT as a Potential Biomarker of Response to Progesterone Therapy in Complex Atypical Hyperplasia (CAH) and Grade 1 Endometrial Cancer (EC)
Canon Medical Systems USA, Inc./RSNA Research Seed Grant

JESSICA POREMBKA, MD
University of Texas Southwestern Medical Center
Understanding the Impact of Temporary Testing-Related Health Utilities and Social Determinants of Health on Lung Cancer Screening Participants
Canon Medical Systems USA, Inc./RSNA Research Seed Grant

HARJIT SINGH, MD, FSIR
Johns Hopkins University
Assessment of Indeterminate Biliary Strictures Using Ultrahigh-Resolution Optical Coherence Tomography
RSNA Research Seed Grant
Mark Barahman, MD, PhD

“The GE Healthcare/RSNA Research Resident Grant will support my first independently funded study. The research proposes using a new MR device to measure liver fat and other biomarkers of Nonalcoholic Fatty Liver Disease for screening and diagnosis in the clinic. I am grateful for this award and fortunate to be a part of an amazing group of faculty imagers and residents at University of California, San Diego Radiology. This opportunity is supported by my Clinician Scientist Radiology Residency. I look forward to working with the RSNA community in the coming years as an academic interventional radiologist.”
ARMAN AVESTA, MD
Yale School of Medicine
Developing Capsule Networks for Brain Image Segmentation
Siemens Healthineers/RSNA Research Fellow Grant

MARK BARAHMAN, MD, PHD
University of California, San Diego
Proton Density Fat Fraction Estimation With Point of Care Nuclear Magnetic Resonance Technology
GE Healthcare/RSNA Research Resident Grant

KRISTER BARKOVICH, MD, PHD
University of California, San Diego
Developing a Novel Tumor-Targeting Dual NIRF/MRI Imaging Nanoparticle for Longitudinal Molecular Cancer Imaging
Bracco Diagnostics Inc./RSNA Research Resident Grant

SOHA BAZYAR, MD, PHD
University of Maryland Baltimore
Ultra-High Dose Rate Sparing of Lung Tissue During Radiation Therapy
RSNA Research Resident Grant
JOSHUA BROWN, MD, PHD
Emory University
Chemical Exchange Saturation Transfer MRI in Non-Lesional Temporal Lobe Epilepsy Imaging
Prince Research Resident Grant

JASON DOMOGAUER, MD, PHD
NYU Grossman School of Medicine
Pilot Study of an Organ-Based Cancer Screening Electronic Application Tool To Improve Cancer Screenings for Sexual and Gender Minority Persons
Philips/RSNA Research Resident Grant

PHILIPS

JEREMY FORD, MD, MBA
Massachusetts General Hospital
Blood-Brain Barrier Water Exchange in Alzheimer Disease
Ralph Schlaeger Charitable Foundation/RSNA Research Fellow Grant

COLBEY W. FREEMAN, MD
University of Pennsylvania
Going With the Flow: A Comparison of Brain Perfusion Detected by Ultrasound Microvascular Imaging, Contrast-Enhanced Ultrasound, and Microspheres in a Porcine Model
RSNA Research Fellow Grant
MATTHEW GALLITTO, MD
Columbia University
Focused Ultrasound-Enhanced STAT3 Inhibition and Radiosensitization for Diffuse Midline Glioma
RSNA Research Resident Grant

RUOQI GAO, MD, PHD
The University of Texas Southwestern Medical Center
Targeted Acoustic Activation of Systemic Immunomodulating Nanodroplets as a Novel Immunotherapeutic Platform.
RSNA Research Resident Grant

ELMIRA HASSANZADEH, MD
Massachusetts General Hospital
Protocol Optimization for Resting State fMRI Under Anesthesia
Silver Anniversary Campaign Pacesetters Research Fellow Grant

SAMUEL JANG, MD
Mayo Clinic – Rochester
Contrast-Enhanced Ultrasound and Shear Wave Elastography in Patients Receiving Lymphaticovenous Anastomosis Surgery in the Upper Extremities
Canon Medical Systems USA, Inc./RSNA Research Resident Grant
NOAH KASTELOWITZ, MD, PHD
Stanford University School of Medicine
Circulating Cell-Free RNA as a Predictor of Radiation Therapy Toxicity
RSNA Research Resident Grant

CODY A. KELLER, MD
University of California, San Diego
Optimization of Quantitative Ultrasound Fat Fraction Estimation in Advanced Nonalcoholic Fatty Liver Disease and Nonalcoholic Steatohepatitis
Philips/RSNA Research Resident Grant

BEHNAZ KHAZAI, MD, MSC
Yale University School of Medicine
PET Biomarker for Synaptic Density Changes After Radiation Therapy
RSNA Research Resident Grant

SEAN A. KOERNER, MD, MS
University of Pittsburgh
Graduated Spatially Fractionated Radiotherapy: A Novel Technique To Potentiate Immunotherapy Response.
RSNA Research Resident Grant
MIN LANG, MD, MSC
Massachusetts General Hospital
Strategic Radiology Arl Van Moore Jr., MD/
RSNA Research Resident Grant

MATTHEW D. LEE, MD
NYU Langone Health
Correlation of MRI With Intraoperative 5-Aminolevulinic Acid Fluorescence and Stimulated Raman Histology in Glioblastomas
FUJIFILM Healthcare Americas Corporation/
RSNA Research Resident Grant

NINGCHENG LI, MD, MS
Oregon Health & Science University
Chronic Post-Thrombotic Venous Biomechanical Changes and Impact on Response to Venous Intervention
RSNA Research Fellow Grant

WILLIAM C. Y. LO, MD, PHD
Washington University in St Louis
Integrin-Targeted PET Imaging and Therapeutics To Predict and Mitigate Radiation-Induced Pulmonary Fibrosis
RSNA Research Resident Grant
JENNIFER MA, MD
Memorial Sloan Kettering Cancer Center
Radiotherapeutic and Tumor Microenvironmental Determinations of Response to Immune Checkpoint Blockade in DNA Repair-Deficient Breast Cancer
RSNA Research Resident Grant

GOHAR MANZAR, MD, PHD
The University of Texas MD Anderson Cancer Center
Evaluating and Optimizing Radiotherapy Immunoconditioning To Enhance CAR-NK Cell Therapy for Head and Neck Cancer
Canon Medical Systems USA, Inc./ RSNA Research Resident Grant

MARCELA MARSIGLIA, MD, PHD
Massachusetts General Hospital
Assessment of the Diameter and Flow of the Ophthalmic and Ciliary Arteries in Patients With Advanced Dry Age-Related Macular Degeneration Using 7 Tesla MRI
Bayer HealthCare/RSNA Research Fellow Grant

ARAM S. MODREK, MD, PHD
New York University Grossman School of Medicine
DNA Damage Drives Genome Reorganization in Glioblastoma
RSNA Research Resident Grant
SUJOY MUKHERJEE, MD
*The University of Texas Southwestern Medical Center*
Liver Health Outcome of Longstanding Hepatic Steatosis: A Longitudinal Cohort Study of the Dallas Heart Study Population
Philips/RSNA Research Resident Grant

VEIT SANDFORT, MD
*Stanford University*
Minimizing Human Labeling Effort in Cardiovascular Deep Learning Segmentation To Enable Comprehensive Risk Assessment in Type B Aortic Dissection
RSNA Research Resident Grant

MICHAEL V. SHERER, MD
*University of California, San Diego*
Improving Contouring Training for Radiation Oncology Residents via Implementation of Novel Curricular Elements Using an Interactive Online Contouring Platform
RSNA Research Resident Grant

NADIA SOLOMON, MD, MSC, MA
*Yale New Haven Hospital*
Postmortem Imaging for Investigation of Disease Pathophysiology, Mechanisms of Injury, and Cause of Death
RSNA Presidents Circle Research Resident Grant
DAVID TISCHFIELD, MD, PHD
University of Pennsylvania
Functional Metabolic Imaging for HCC Subtyping and Response Prediction
Philips/RSNA Research Resident Grant

PHILIPS

OPHIR VERMESH, MD, PHD
Stanford University School of Medicine
Engineering Genetically-Encoded Synthetic Reporters for Dual Breath- and Imaging-Based Early Cancer Detection
RSNA Research Resident Grant

GREGORY WEHNER, MD, PHD
Mallinckrodt Institute of Radiology
Predicting Permanent Pacemaker Implantation After Transcatheter Aortic Valve Replacement From Aortic Annulus Shape Models Derived From Pre-Procedural Computed Tomography
RSNA Research Resident Grant

JOHN ZECH, MD, MA
New York Presbyterian - Columbia
Personalized Detection of Pediatric Upper Extremity Fractures Using Deep Learning-Based Object Detection
GE Healthcare/RSNA Research Resident Grant
RESEARCH MEDICAL STUDENT GRANT

Lindsey Greenlund, BS

“The opportunity to pursue funded research has been a wonderful experience. Being awarded this RSNA Research Medical Student Grant has afforded me the chance to explore the fields of Radiation Oncology and Radiology that I would have not otherwise had. I have gotten to learn from experienced physician-scientists while pursuing research that I am passionate about. Additionally, this research experience has confirmed my interest in pursuing a career in academic medicine. It has been so rewarding to be on the forefront of medicine and find gaps in research, and the current knowledge base, that need to be filled.”
EMILY AVERY, BA
Yale School of Medicine
Deep Learning Assessment of Admission CTAs for Prognostication of Acute Large Vessel Occlusion Stroke
RSNA Research Medical Student Grant

ERNEST BARRAL, BS
Duke University Hospital
Evaluation of Short- and Long-Term Clinical Outcomes in Patients Following Intervention for Pulmonary Embolism
RSNA Research Medical Student Grant

JOSEPH BEHNKE, PHD
Emory University
Assessment of White Matter Microstructural Integrity in Postconcussion Vestibular Dysfunction (PCVD) Using Diffusion Tensor Imaging (DTI) and Neurite Orientation Dispersion and Density Imaging (NODDI)
RSNA Research Medical Student Grant

DREW BERGMAN, BA
Dartmouth-Hitchcock Medical Center
Epigenetic Mechanisms of the FLASH Radiotherapy Effect
RSNA Research Medical Student Grant
RAHUL CHANDRUPATLA, BS
University of California, San Diego
Deep Learning Visualization and Quantification of Mechanical Dyssynchrony in Cardiac MRI
FUJIFILM Healthcare Americas Corporation/RSNA Research Medical Student Grant

GURVANT CHAUDHARI, MD
University of California, San Francisco
Modeling Risk of Progression to Lung-RADS 4 From a Benign Lung Cancer Screening CT Using Imaging and Clinical Data
RSNA Research Medical Student Grant

MICHELLE CLARK, BA
Memorial Sloan Kettering Cancer Center
Predicting Lung Adenocarcinoma Histology Subtypes Using Deep Learning Methods
RSNA Research Medical Student Grant

JAMIE CLARKE, MS
University of Miami
Amplified Imaging of the Pediatric Brain
RSNA Research Medical Student Grant
ERIN GAUDETTE, BS, MSC
Dalhousie University Faculty of Medicine
Development of a Multi-Parametric Model To Distinguish Between Pseudoprogression and Progression of Glioblastoma Multiforme
RSNA Research Medical Student Grant

AMANDA GONG, BA
The University of California, Los Angeles
Deep Learning in RECIST Oncology Response Assessment: Automated New Lesion Detection
RSNA Research Medical Student Grant

PRATEEK GOWDA, BS
Johns Hopkins University
Understanding the Hemodynamics Behind the “Beats-of-Stasis” Embolization Endpoint Using a Multiparametric “In Vitro” Model of Transarterial Embolization
RSNA Research Medical Student Grant

LINDSEY GREENLUND, BS
University of Minnesota
Comparison of Myeloid Derived Suppressor Cells in Tumor Tissue and Peripheral Blood in Head and Neck Cancer Patients
RSNA Research Medical Student Grant
DANIEL GRITS, MS
Cleveland Clinic
A Comparative and Correlative Evaluation of Early to Late Stage Osteoarthritis in Human Knee Cartilage Utilizing Clinical and Preclinical MRI Imaging (3T & 7T) With Histopathology and Immunohistochemistry as the Standard
RSNA Research Medical Student Grant

AMIR HASANI, MS
National Institutes of Health
Similarities and Differences of Lung Cysts in LAM and BHD Using Radiomics and Machine Learning on High-Resolution CT Scan
RSNA Research Medical Student Grant

JANSON KAPPEN, BSC
University of Western Ontario
Visualization Tools To Aid Vascular Assessment in Pancreatic Adenocarcinoma Staging CT
RSNA Research Medical Student Grant

MIHIR KHUNTE, BS
Rhode Island Hospital
Development and Clinical Validation of Fully Automated Artificial Intelligence Pipeline for Longitudinal Tracking of Kidney Health on Magnetic Resonance Imaging
RSNA Research Medical Student Grant
MICHAEL KOZUCH, MD, MPH
The Medical College of Wisconsin, Inc
Impact of a Standardized Vertebral Compression Fracture Management Pathway on Healthcare Resource Utilization and Opioid Use
RSNA Research Medical Student Grant

SORYAN KUMAR, BS
Rhode Island Hospital
Deep Reinforcement Active Learning for Post-Treatment Brain Tumor Segmentation with Quality Estimation
RSNA Research Medical Student Grant

ANDREW LANCASTER, BS
Johns Hopkins University
A Deep Learning-Based Multi-Task Artificial Intelligence System for Quantitative Medical Image Analysis of Thoracic Abnormalities on Chest CT
RSNA Research Medical Student Grant

JONATHAN LEE, BS
Keck School of Medicine of University of Southern California
Predicting Bone Density From Spine CT and Demographic Data with a Multimodal Regression Network
RSNA Research Medical Student Grant
ZACHARY MILLER, BSE  
*University of Wisconsin-Madison*  
Improving MRI Detection of Pulmonary Nodules Using High Resolution, End-Inspiratory Breath Held 3D UTE Lung Imaging  
RSNA Research Medical Student Grant

ARIF MUSA, MS  
*University of California Irvine Medical Center*  
(EMPOWER) Evaluating Medical Student Participation, Observation, and Workstation Education in Radiology: Implementing a Hybrid Learning Model in Diagnostic Radiology Electives  
RSNA Research Medical Student Grant

DANIELLA PORTAL, BS  
*Rutgers Cancer Institute of New Jersey*  
Evaluating the Role of Adaptive Radiation Planning on Reducing Pneumonitis in Patients With Non Small Cell Lung Cancer  
RSNA Research Medical Student Grant

DIVYA RAMAKRISHNAN, BS  
*Yale School of Medicine*  
PACS-Based Volumetric Analysis To Improve Outcome Prediction in Pediatric Neuro-Oncology Clinical Trials  
RSNA Research Medical Student Grant

ALEX RAMAN, MS  
*University of Southern California*  
A Federated Learning System for Radiologic Image Segmentation  
RSNA Research Medical Student Grant
ASHWIN REDDY, BS  
Rhode Island Hospital  
Artificial Intelligence for Pancreatic Cancer Evaluation and Outcome Prediction from Imaging and Clinical Data  
RSNA Research Medical Student Grant

SYLVIA RHODES, BA  
University of Pennsylvania  
Improving Submission Quality of Clinical Trials That Use Molecular Imaging or Therapy: Findings of the University of Pennsylvania Radiation Research Safety Committee  
RSNA Research Medical Student Grant

ARRIX RYCE, MSC  
Emory University School of Medicine  
Interpretable Machine Learning for Management of Abdominal and Pelvic Injuries Caused by Blunt Trauma: A Feasibility Study With the Trauma Quality Improvement Program Registry  
RSNA Research Medical Student Grant

JEREMY STEPHAN  
Rush University Medical Center  
Derivation and Validation of an Algorithm for Predicting Major Adverse Health Events Following Low-Dose CT Lung Cancer Screening  
Philips/RSNA Research Medical Student Grant

WALTER ZHAO  
Case Western Reserve University  
Enhancing Robustness of Magnetic Resonance Radiomics Using Quantitative MR Fingerprinting  
RSNA Research Medical Student Grant
“With the increase in breast cancer diagnosis in low and middle-income countries, alongside a severely limited radiologist workforce, capacity building is of critical importance. Our collaboratively designed educational project provides novel resources customized for radiologists practicing in low-resource areas. It has far exceeded its recruitment goals, as it is being enthusiastically embraced by international radiologists. The eponymous award by the Helen C. Redman, MD & Marten F. Klop Education Scholar Grant for this project to improve breast health in African countries, highlights the potential impact of female radiologists on the advancement of women. Through this support, I have the rare opportunity to be deeply immersed in my lifelong passion: advancing global health equity.”

Toma Omofoye, MD
EDUCATION SCHOLAR GRANT

TOMA OMOFOYE, MD
The University of Texas MD Anderson Cancer Center
Development of a Customized Interactive Web-Based Global Breast Imaging Curriculum With Self-Assessment for Radiologists in Low- and Middle-Income Countries
Helen C. Redman, MD & Marten Klop Education Scholar Grant

RSNA, AUR, APDR, SCARD RADIOLOGY EDUCATION RESEARCH DEVELOPMENT GRANT

JONATHAN G. MARTIN, MD
Duke University School of Medicine
Development of a Series of Didactic Portable Radiology Escape Rooms for Undergraduate Medical Education
RSNA, AUR, APDR, SCARD Radiology Education Research Development Grant

DEREK HARWOOD-NASH INTERNATIONAL EDUCATION SCHOLAR GRANT

KATRINA MCGINTY, MD
University of North Carolina, Chapel Hill
International Peer Learning: The Future of Global Imaging Education
Derek Harwood-Nash International Education Scholar Grant
“On call radiologists, at all training levels across the globe, work tirelessly to provide the very best care possible to their patients. With the rising volume of scans ordered after hours and the increased importance of imaging in the clinical decision-making process, our work with the Educational Program Award will help further these efforts. I am very grateful for the opportunity to pursue this work with the support of this RSNA Educational Program Award and grateful to my program director and mentor, Soonmee Cha, MD.”
MASIS ISIKBAY, MD  
*University of California, San Francisco*  
Standardized Web Based Call Preparation Curriculum for Diagnostic Radiology  
RSNA Education Project Award

LEANNE YAUNCI LIN, MD, MPHS  
*University of Michigan Hospital*  
Applications for 3D Models and Augmented Reality for Patient Education and Outreach  
RSNA Education Project Award

SIDAK PANNU, MD  
*Dartmouth Hitchcock Medical Center*  
DartRad – A Radiology Education Portal by Medical Students for Medical Students  
RSNA Education Project Award

JORDAN PERCHIK, MD  
*University of Alabama at Birmingham*  
Artificial Intelligence Literacy: Developing a Multi-Institutional Infrastructure for AI Education  
RSNA Education Project Award

KAREEM RAYN, MD  
*New York Presbyterian Hospital – Columbia University Irving Medical Center*  
Transition to Independent Practice Curriculum Year (TIPCY)  
RSNA Education Project Award
The RSNA R&E Foundation Roentgen Resident/Fellow Research Award allows residency program directors and department chairs to recognize and encourage outstanding residents and fellows in radiologic research. Recipients of this award have published in peer-reviewed journals, presented work at regional and national meetings, received a research grant or contributed to the success of a departmental research program.
Rami Abazid, MD  
Western University

Mostafa Alabousi, MD  
McMaster University

Rosa Elena Ochoa Albiztegui, MD  
Memorial Sloan Kettering Cancer Center

Khalid Al-Dasuqi, MD  
Yale University School of Medicine

Ragheed Al-Dulaimi, MBChB, MPH  
University of Utah

Leen Alkukhun, MD  
SUNY Upstate Medical University

Hayet Amalou, MD  
UCLA Medical Center/DGSOM

Victoria Arendt, MD  
Stanford University

Ashkan Heshmatzadeh Behzadi, MD  
Bridgeport Hospital

Corey Bichel, DO  
Southern Illinois University  
School of Medicine

Aaron D Brumbaugh, MD  
Allegheny Health Network

William G. Breen, MD  
Mayo Clinic

Mason Anthony Brown, MD  
Aurora St. Luke’s Medical Center

Christopher Brunson, MD  
The University of Arizona

David Jaihun Byun, MD  
NYU Langone Health

Reno Cereno, MD  
BC Cancer Kelowna

Thymur Chaudhry, MD  
Southern Illinois University  
School of Medicine

Ankita Chauhan MD  
University of Tennessee –  
LeBonheur Children’s Hospital

Victor E. Chen, MD, MPH  
Thomas Jefferson University

Xuguang Scott Chen, MD, PhD  
Johns Hopkins University

Maggie Chung, MD  
UCSF School of Medicine

Matthew Cousins, MD, PhD  
University of Michigan

David Cousins, MD  
University of Virginia

Omar Daher, HBSc, MD  
Western University

Gabriela Cepeda De Jesus, MD  
Hartford Hospital

Kurren M. Desai, MD  
Baylor Scott & White Medical Center

Ali Dhanaliwala, MD PhD  
University of Pennsylvania
Adriano Basso Dias, MD
University of Toronto

Florence Doo, MD
Mount Sinai West

Christopher Doucette, MD
University of Rochester

Nader Elkabbani, MD
Ochsner Clinic Foundation

Zerwa Farooq, MBBS
SUNY Downstate Health Sciences University

Cassidy Frayn, MD
University of Alberta

Joseph T. Gamboa, MD
Texas Tech University Health Sciences Center El Paso

Allison E. Garda, MD
Mayo Clinic

J. Michael Gee, MD
University of Minnesota

Simrunn Girn, MD
University of California Irvine Medical Center

Matthew Frederick Glasser, MD, PhD
Mallinckrodt Institute of Radiology

Maria Grigovich, MD
Albert Einstein Medical Center

Mauro Hanaoka, MD
University of Kentucky College of Medicine

Nassier Harfouch, MD
Staten Island University Hospital Northwell Health

Grant Harmon, MD
Loyola University Medical Center

Irfan Nazir Hassan, MD
RWJBH – Cooperman Barnabas Medical Center

Comron Jon Hassanzadeh, MD, MPH
Washington University

Kasey Helmlinger, MD
University of Tennessee Graduate School of Medicine

Joshua H. Litchman, MD
Dartmouth-Hitchcock Medical Center

Quoc-Anh Ho, MD
University of Arizona, College of Medicine – Tucson

Sarah Hogan
Memorial University

Jack Hua, MD
Tulane University School of Medicine

Xiaojing Huang, MD, PHD
Memorial Sloan Kettering Cancer Center

Gina Hyun, MD
Walter Reed National Military Medical Center

Austin Jameson, DO
University of Cincinnati Medical Center

Oren Jaspan, MD
Weill Cornell Medicine/ New York – Presbyterian Hospital
Zachary Brad Jenner, MD
UC Davis Health

Michael Jin, MD
SUNY-Stony Brook Medicine

Mark Kaminetzky, MD
NYU Grossman School of Medicine

Ryan D. Kelsch, DO
Beaumont Health – Royal Oak

Collin Kent, MD
Duke University Hospital

Shingo Kihira, MD
Icahn School of Medicine at Mount Sinai

Jongmyung Kim, MD, PhD
Rutgers Cancer Institute of New Jersey

Kristine Kim, MD
University of Pennsylvania

Matthew Kluckman, MD
Brooke Army Medical Center (San Antonio Uniformed Health Educational Consortium)

Jennifer Yin Yee Kwan, MD, PhD
University of Toronto

Jordan Lang, MD, PhD
Washington University

Matthew H. Lee, MD
University of Wisconsin School of Medicine and Public Health

Eric Lehrer, MD
Icahn School of Medicine at Mount Sinai

Calvin D. Lewis, MD, PhD
University of Iowa Hospitals & Clinics

Tin Li, MD
Queen’s University

Jessica Li, MD
University of British Columbia

Will Lindquester, MD
University of Pittsburgh Medical Center

Sarah Long, MD
Tulane University School of Medicine

Dr. Sen “Samson” Lu, MD
University of South Florida

Eugen Lungu, MD, MSc
University of Montreal

Sung Jun Ma, MD
Roswell Park Comprehensive Cancer Center

Tarub S. Mabud, MD, MSc
NYU Langone Health

Ian MacDonald, MD, PhD
Dalhousie University

Taylor G. Maloney, MD
Baylor University Medical Center at Dallas

Thomas Marini, MD
University of Rochester Medical Center

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University of Texas Medical Branch – Galveston

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University of Ottawa

Jacob Miller, MD
Stanford University

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Moffitt Cancer Center/University of South Florida

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Brigham and Women’s Hospital

Nikol Mladkova, MD PhD
The Ohio State University

Shamus Moran, MD
University of Washington

S. Atiﬁ Mustafa MD
Maimonides Medical Center

Hima Bindu Musunuru, MBBS
University of Pittsburgh Medical Center

Nima Hafezi Nejad, MD
Johns Hopkins Hospital

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Wake Forest School of Medicine

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Medical University of South Carolina

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University of Utah

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University of Maryland Medical Center

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Temple University Hospital

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Yale New Haven Hospital

Gabrielle Welch Peters, MD
Yale University School of Medicine

Jonathan Pierce, MD
University Hospitals – Cleveland Medical Center

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University of Florida

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The University of Texas Southwestern Medical Center

Abbas Rattani, MD
University of Louisville

Russell A Reeves, MD
Thomas Jefferson University

Katrin Resch, MD
University of Alberta

Ryan Rigsby, MD
Loma Linda University Medical Center

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Rush University

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Atlantic Health System

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Desi Schiess, MD
Baylor College of Medicine/ Texas Children’s Hospital

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Luca Valle, MD
UCLA David Geffen School of Medicine

George Vilanilam, MBBS
University of Arkansas for Medical Sciences

Benjamin A. Voss, MD
Medical College of Wisconsin

Melissa Walsh, MD
Memorial University of Newfoundland

Kapil Wattamwar, MD
Montefiore Medical Center

Casey Warren Williamson, MD
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