RSNA R&E Foundation Announces 2018 Grant Recipients

The RSNA Research & Education (R&E) Foundation funded 101 grants totaling $4 million. The Foundation’s Board of Trustees thanks the Vanguard companies, individuals and private practices whose generous contributions have made the following grants possible.

RESEARCH SCHOLAR GRANT

Timothy J. Amrhein, MD
Duke University
A Randomized Trial of CT Fluoroscopy-guided Targeted Autologous Blood and Fibrin Glue Patching for Treatment of Cerebral Spinal Fluid Leaks in Spontaneous Intracranial Hypotension
GE Healthcare/RSNA Research Scholar Grant

Manisha Bahl, MD, MPH
Massachusetts General Hospital
Machine Learning to Predict Risk of Upadhyaya Albert Einstein, Brazil

Contrast-enhanced Computed Tomography for Radiology and Interventional Radiology

Towards an Early Detection of Coronary Artery Disease

Sunnybrook Research Institute

RSNA Research Scholar Grant

Nicholas Scott Burriss, MD
University of Michigan
Hydromediatric Markers of Aneurysmal Degeneration in Type B Aortic Dissection
RSNA Research Scholar Grant

Jamal J. Derakhshian, MD, PhD
Washington University in St. Louis
Improved Non-contrast Brain Perfusion Imaging Using Integrated Tagging in BSSFP
ASNR/RSNA Research Scholar Grant

Ryne Didier, MD
Children’s Hospital of Philadelphia
Contrast-enhanced Ultrasound with the Extra-uterine Environment for Neonatal Support (EXTEND): Viability Studies, Evaluation of Perfusion Parameters, and Assessment of Intracranial Pressure
RSNA Research Scholar Grant

Christine E. Edmonds, MD
Massachusetts General Hospital
Precision Imaging for Improved Therapeutic Guidance in Breast Cancer
Carestream Health/RSNA Research Scholar Grant

Mai-Lan Ho, MD
Mayo Clinic
Zero Echo Time MRI for Radiation-free Pediatric Bone Imaging
Siemens Healthineers/RSNA Research Scholar Grant

Misun Hwang, MD
Children’s Hospital of Philadelphia
Improved Diagnosis and Prognostication of Neonatal Hypoxic Ischemic Injury with Combined Contrast Enhanced Ultrasound and Elastography
RSNA Research Scholar Grant

Laura Jimenez-Juan, MD
Sunnybrook Research Institute
Towards an Early Detection of Coronary Artery Bypass Graft Failure: A Computational Fluid Dynamics Approach Based on CT and 4D-flow MRI
Agfa HealthCare/RSNA Research Scholar Grant

Anusha Kalbasi, MD
University of California, Los Angeles
Uncoupling the Tumor Promoting and Wound Healing Properties of Macrophages in the Irradiated Microenvironment
RSNA Research Scholar Grant

Joseph George Mammalappallil, MD, PhD
Duke University
Utilization of Hyperpolarized 129Xe MRI for Diagnosis of Idiopathic Pulmonary Fibrosis
Bracco Diagnostics Inc./RSNA Research Scholar Grant

Robert J. McDonald, MD, PhD
Mayo Clinic
Assessment of the Clinical Effects of Intracranial Gadolinium Tissue Deposition Following Intravenous Administration of Gadolinium Based Contrast Agents Using a Preclinical Rat Model
Bayer Healthcare/RSNA Research Scholar Grant

Avner Meoded, MD
Johns Hopkins University
Comprehensive Omics Approach in the Study of Brain Neuroplasticity in Pediatric Arterial Ischemic Stroke
Guerbet/RSNA Research Scholar Grant

Sohil H. Patel, MD
University of Virginia
Radiogenomics of Diffuse Cerebral Gliomas
RSNA Research Scholar Grant

Ronnie Alex Sebro, MD, PhD
University of Pennsylvania
Integrated Biomarker PET/CT Imaging Trial for Assessing Hypoxia in Soft Tissue Sarcomas Using a Novel PET/CT Tracer
RSNA Research Scholar Grant

Rahul Anil Sheth, MD
The University of Texas MD Anderson Cancer Center
Antitumor Immune Activation by Moleculally Targeted Photothermal Ablation for the Treatment of Hepatocellular Carcinoma
RSNA Research Scholar Grant

Saili Somam, MD, MS
Beth Israel Deaconess Medical Center
Improving Intracranial Hemorrhage Risk Stratification with Advanced Cerebral Microhemorrhage Imaging Using Preconditioned Quantitative Susceptibility Mapping (PQSM) MRI
RSNA Research Scholar Grant

Man Zhang, MD, PhD
University of Michigan
Assessment of Predictive Value of Cervical Stiffness in Preterm Labor and Outcome of Labor Induction Using Transvaginal Shear Wave Elastography
RSNA Research Scholar Grant

RESEARCH SEED GRANT

Edson Amaro Jr., MD, PhD
Hospital Albert Einstein, Brazil

Multi-centric Standard Practices in Quantitative Diffusion Weighted Imaging: Implementation and Evaluation in Clinical Practice in Brazil
RSNA Research Seed Grant

Sandeep Singh Arora, MBBS
Vanderbilt University Medical Center
Improving Breast Cancer Response to Immuno-therapy Using Micro-bubble Enhanced Therapeutic Ultrasound in a Highly Aggressive 4Ti Murine Breast Cancer Model
RSNA Research Seed Grant

Ji Young Bueethe, MD
Johns Hopkins University
Cryoablation-immune Checkpoint Combination Therapy to Improve Anti-tumor Responses in Triple Negative Metastatic Breast Cancer
RSNA Research Seed Grant

Amy Robin Deipoli, MD, PhD
Memorial Sloan Kettering Cancer Center
Role of Anti-tumor Immunity in Modulating the Impact of PI3K Pathway Mutations on Response to Radioembolization in Metastatic Breast Cancer
Philips/RSNA Research Seed Grant

Laura Heacock, MD, MS
New York University
Abbreviated Breast MRI (AB-MRI) with Gold-en-angle Radial Compressed-sensing and Parallel Imaging (GRASP): A Short, Comprehensive Breast MRI Exam Ready for Clinical Prime Time
Fujifilm Medical Systems/RSNA Research Seed Grant

Pedram Heidari, MD
Massachusetts General Hospital
Immune PET Imaging of Cytotoxic Lymphocyte Function in Inflammatory Bowel Disease
Canon Medical Systems, USA/RSNA Research Seed Grant

Amar Upadhaya Kishan, MD
University of California, Los Angeles
Genomics of Gleason Score 9-10 Prostate Cancer
Philips/RSNA Research Seed Grant

Gregory Jon Nadolski, MD
University of Pennsylvania
Clinically Relevant Point of Care Testing to Improve Quality of Solid Tumor Biopsies
RSNA Research Seed Grant

Prashant Pappu, MD
University of Iowa
Comparison of Free-breathing Self-gated 3D Cardiac MRI with Manifold Reconstruction Algorithms and Standard Breath-hold Sequence in Patients with and without COPD
Canon Medical Systems, USA/RSNA Research Seed Grant
Thank you to our donors

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

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Silver Anniversary Campaign
Pacesetters
Strategic Radiology

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

Rupa Radhakrishnan, MBBS, MS
Indiana University
Effect of Prenatal Exposure to Opioids on Neonatal Brain Structure and Function
Philips/RSNA Research Seed Grant

Gelareh Sadigh, MD
Emory University
Patient-reported Financial Toxicity in Multiple Sclerosis: Predictors and Association with Neuroimaging and Medication Non-adherence
RSNA Research Seed Grant

Stuart E. Samuels, MD, PhD
University of Miami
Symptomatic and Functional Impact of Radiation-induced Fibrosis of the Neck in Patients Treated for Head and Neck Cancer
Philips/RSNA Research Seed Grant

David Shultz, MD, PhD
Princess Margaret Cancer Centre
Measuring and Molecularly Defining Intra-tumor Hypoxia Using FAZAPET/MRI and Pimonidazole in High-risk Sarcoma
Hitachi Medical Systems, USA/RSNA Research Seed Grant

Adam D. Singer, MD
Emory University
Performance of a Standardized Scanning and Reporting Method for Sonographic Soft Tissue Sarcoma Surgical Resection Bed Surveillance
Canon Medical Systems, USA/RSNA Research Seed Grant

Sina Tavakoli, MD, PhD
University of Pittsburgh
Quantitative Imaging of 18F-fluoroglutamine and 18F-FDG Uptake in Atherosclerosis: A Metabolic Approach to Immuno-metabolic Characterization of Macrophages in the Vessel Wall
Strategic Radiology Research Seed Grant

RESEARCH RESIDENT FELLOW GRANT

Harrison X. Bai, MD
University of Pennsylvania
Utilization of Deep Learning to Predict Characteristics and Treatment Response in Renal Tumors
Siemens Healthineers/RSNA Research Fellows Grant

David Hilton Ballard, MD
Washington University in St. Louis
Image-guided Molecular Profiling of the Renal Cell Carcinoma Immune Microenvironment Using 3D Printing
Varex Imaging/RSNA Research Resident Grant

Michael Sargent Binkley, MD, MS
Stanford University
Inferring Gene Expression Using Cell Free DNA for Prediction of Radiation Pneumonitis After Definitive Chemoradiotherapy of Locally Advanced Non-small Cell Lung Cancer
RSNA Research Resident Grant

Zachary Buchwald, MD, PhD
Emory University
The Impact of Corticosteroids on Combined Radiation and Anti-PD-L1 in the Control of Oligo-metastatic Melanoma
RSNA Research Resident Grant

Jessica Chan, MD
University of Utah
Detection of Obstructive and Restrictive Lung Disease on Chest Radiography Using Machine Learning, and Integrated Pulmonary Function Data
RSNA Presidents Circle Research Resident Grant

Bryan Chang, MD, PhD
University of Pennsylvania
Tracking Engineered T Cell Therapies with an RNA-based Reporter Gene
RSNA Research Resident Grant

Leonid Chepelev, MD, PhD
University of Ottawa
Deep Learning for Radiological Image Quality Improvement: Impact on the Accuracy of Diagnosis and Organ Segmentation
RSNA Research Resident Grant

Florence L. Chiang, MD
The University of Texas Health Science Center at San Antonio
Imaging Biomarker Development in Multiple Sclerosis Using Multi-modality Network Modeling
RSNA Research Resident Grant

Dania Daye, MD, PhD
Massachusetts General Hospital
Machine Learning-based Virtual Metastasis Biopsy as an Early Predictor of Tumor Progression and Resistance Mutation Acquisition in Colon Cancer Patients
GE Healthcare/RSNA Research Resident Grant

Laura Burns Eisenmenger, MD
University of California, San Francisco
Evaluation of Intracranial Aneurysm Wall Inflammation Using Ferumoxytol and Four Dimensional Flow Magnetic Resonance Imaging
RSNA Research Fellow Grant

RADIOLOGY’S FUTURE

Rupa Radhakrishnan, MBBS, MS
Indiana University
Effect of Prenatal Exposure to Opioids on Neonatal Brain Structure and Function
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The University of Texas Health Science Center at San Antonio
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Massachusetts General Hospital
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GE Healthcare/RSNA Research Resident Grant

Laura Burns Eisenmenger, MD
University of California, San Francisco
Evaluation of Intracranial Aneurysm Wall Inflammation Using Ferumoxytol and Four Dimensional Flow Magnetic Resonance Imaging
RSNA Research Fellow Grant
Alexander M. El-Ali, MD
University of Pittsburgh
Placental MRI BOLD and Impaired Neurodevelopment in Congenital Heart Disease
RSNA Research Resident Grant

Adnan Elhammali, MD, PhD
The University of Texas MD Anderson Cancer Center
Single Cell Transcriptome Analysis of Radiation Response in Advanced Pancreatic Cancer Patients
RSNA Research Resident Grant

Ahsan Farooqi, MD, PhD
The University of Texas MD Anderson Cancer Center
Targeting the Alternative Lengthening of Telomeres Phenotype in Glioblastoma to Enhance Cellular Response to Radiotherapy
RSNA Research Resident Grant

Benjamin Freeze, MD, PhD
Cornell University
Regional Brain Atrophy and Network Propagation of Pathology in Prodromal Parkinson Disease
RSNA Research Resident Grant

Lewis Dirk Hahn, MD
Stanford University
Segmentation and Quantitative Assessment of Prognostic Features in Type B Aortic Dissection Using Machine Learning
Silver Anniversary Campaign Pacesetters Research Fellow Grant

Mark Jeffrey Hoegger, MD, PhD
Washington University in St. Louis
Targeted Alpha Particle Therapy in Lymphoma with Human Anti–CD20 Antibodies
RSNA Research Resident Grant

William L. Hwang, MD, PhD
Massachusetts General Hospital
Molecular Signatures of Circulating Tumor Cells to Predict Treatment Response in Muscle-invasive Bladder Cancer
RSNA Research Resident Grant

John Kang, MD, PhD
University of Rochester
Combining Genomic and Clinical/Dosimetric Variables to Predict Radiation Toxicity in Localized Prostate Cancer Patients Via Computational Genomics and Machine Learning
RSNA Research Resident Grant

Geunwon Kim, MD, PhD
Beth Israel Deaconess Medical Center
Development and Validation of MRI-based Quantitative Fat and Fluid Volumetrics for Lymphedema Staging and Guidance of Liposuction and Lymphatic Reconstruction in Upper and Lower Extremities
RSNA Research Resident Grant

Joseph Leach, MD, PhD
University of California, San Francisco
Combined Magnetic Resonance Imaging and Biomechanical Analysis of Abdominal Aortic Aneurysms to Predict Disease Progression
Richard L. Baron, MD Research Fellow Grant

Kathryn Mittauer, PhD
University of Wisconsin-Madison
Evaluation of Gastrointestinal Toxicity for Pancreatic Radiotherapy Using Stereotactic MR-guided Online Adaptive Radiation Therapy (SMART) in Wisconsin Miniature Swine (WMS)
RSNA Research Resident Grant

Everett James Moding, MD, PhD
Stanford University
Circulating Tumor DNA Kinetics During Radiation Therapy as a Prognostic Biomarker for Non-small Cell Lung Cancer
RSNA Research Resident Grant

Thomas S.C. Ng, MD, PhD
Brigham and Women’s Hospital
Multiscale, Translational Molecular Imaging to Guide Combination Nano- and Immunomodulatory Therapy in Anaplastic Thyroid Cancer
RSNA Research Resident Grant

Sutchit H. Patel, MD, PhD
Memorial Sloan Kettering Cancer Center
Utilizing Next Generation Sequencing and Cardiac MRI to Profile the Transcriptional and Physiologic Pathogenesis of Radiation Induced Cardiac Toxicity in a Mouse Model
RSNA Research Resident Grant

Ryan Phillips, MD, PhD
Johns Hopkins University
Inhibition of Centrosome Clustering to Enhance the Interplay Between Radiotherapy and Immunotherapy
RSNA Research Resident Grant

Priya Rajagopalan, MBBS, MPH
Indiana University
Increased White Matter Hyperintensity in Carriers of Folate Gene Polymorphism: A Novel Gene-amyloid Interaction Pathway
RSNA Research Resident Grant

Shushan Rana, MD
Oregon Health & Science University
Endothelial miR-15a Regulation of the Tumor Microenvironment Radiation Response
RSNA Research Fellow Grant

Praveen Ranganath, MD
UT Southwestern
A Novel Approach to Coronary Calcium Scoring Using Spectral CT Fingerprinting with Coronary CT Angiography
Bracco Diagnostics Inc./RSNA Research Resident Grant

Tara Retson, MD, PhD
University of California, San Diego
A Deep Learning Approach for Identifying Imaging Biomarkers and Outcome Modeling in Chronic Obstructive Pulmonary Disease
Cook Medical Cesare Gianturco/RSNA Research Resident Grant

Zaid Ali Siddiqui, MD
Beaumont Health System
A Deep Learning Framework for Radiotherapy Delivery in Thoracic Oncology
RSNA Research Resident Grant

Mikhail Silik, MD
University of Pennsylvania
Developing Tace 2.0: Targeting Hepatocellular Carcinoma Cells Through the Unfolded Protein Response, Hypoxia Inducible Factor, and Autophagy Inhibition
RSNA Research Resident Grant

Catherine S. Spina, MD, PhD
Columbia University
Metronomic Delivery of Radimmunotherapy to Induce a Durable (mRAID) Anti-tumor Response in Solid Tumors
RSNA Research Resident Grant

Karthik Meenakshi Sundaram, MD, PhD
Vanderbilt University Medical Center
Evaluating Microbubbles as an Immunotherapy Adjuvant for Breast Cancer
RSNA Research Resident Grant

Anna Trofimova, MD, PhD
Emory University
Functional and Structural Brain Connectivity Alterations in Visual Vertigo Syndrome; A Prospective MRI Study of Central Vestibular Impairment in Mild Traumatic Brain Injury
RSNA Research Resident Grant

Ghiam Yamin, MD, PhD
University of California, San Diego
Virtual Reality Application for Evaluating Progression of Early Parkinson’s Disease
RSNA Research Resident Grant

Felix Yuh-Cherng Yap, MD
University of Southern California
The Shapely Renal Mass: Quantitative Contour Evaluation of Renal Cell Carcinoma
RSNA Research Fellow Grant

**RESEARCH MEDICAL STUDENT GRANT**

Peter Abraham, BA
University of California, San Diego
Cost-effectiveness of Intraoperative MRI in the Treatment of High Grade Gliomas
RSNA Research Medical Student Grant

Norman Atagu, BSc
Washington University in St. Louis
Construction of a Predictive Model for Future Liver Remnant Hypertrophy After Portal Vein Embolization
RSNA Research Medical Student Grant

Jake Bowling, BS
The University of North Carolina at Chapel Hill
Cranial Nerve Cisternal Segment Enhancement in Multiple Sclerosis: Prevalence on 3.0 Tesla Volumetric T1 MRI and Clinical Implications
RSNA Research Medical Student Grant
Chloe Genevieve Cross, BSc
University of Utah
Quantification of Blood Spinal Cord Barrier Opening After Application of Magnetic Resonance Guided Focused Ultrasound
RSNA Research Medical Student Grant

Brittany DeClouette, BA
University of Southern California
Increased Glutathione Measured by Single Voxel MR Spectroscopy After 6 Months of Ketogenic Diet in Patients with Intractable Epilepsy — Pilot Study
RSNA Research Medical Student Grant

Weimeng Ding, BEng, MSc
McGill University
Automated Detection and Outcome Prediction of Subarachnoid Hemorrhage Using Advanced Convolutional Neural Networks
Fujifilm Medical Systems/RSNA Research Medical Student Grant

Ammoreen Edward Dohm, BS
Wake Forest University
Validation of an Imaging-based Mathematical Model for Differentiating Radiation Necrosis from Tumor Progression Following Stereotactic Radiosurgery for Brain Metastases
RSNA Research Medical Student Grant

Brandon Kenneth-Kouso Fields, BA, BM
University of Southern California
Quantitative Magnetic Resonance Imaging (Q-MRI) for the Assessment of Soft-tissue Sarcoma Necrosis, Viable Tumor Volume, and Treatment Response with Comparison to Contrast-enhanced Ultrasound (CEUS)
Canon Medical Systems, USA/RSNA Research Medical Student Grant

Chengcheng Gui, BSE
Johns Hopkins University
Radiomic Modeling to Predict Risk of Vertebral Compression Fracture After Stereotactic Body Radiation Therapy for Spinal Metastases
RSNA Research Medical Student Grant

Yu-hui Huang, MS
University of Illinois College of Medicine at Chicago
Characterizing Associations Between T-cell Populations in Hepatocellular Carcinoma and Clinicopathological Features and Outcomes
RSNA Research Medical Student Grant

Amit Jethanandani, MPH
Enrolled at The University of Tennessee Health Science Center College of Medicine
Research conducted at The University of Texas MD Anderson Cancer Center
Predicting Radiation-attributable Changes in the Temporomandibular Joints of Nasopharyngeal Cancer Patients
RSNA Research Medical Student Grant

Kunal Baiju Karani, BA
Cincinnati Children’s Hospital Medical Center
Ultrasound-enhanced Cerebrovascular Thrombolysis in an in Vivo Porcine Model
RSNA Research Medical Student Grant

Tae Kyung Kim, BA
Johns Hopkins University
Development and Visual Assessment of a Deep Learning System for Automated Tuberculosis Screening Using Chest Radiographs
RSNA Research Medical Student Grant

Connor Jarrett Kinslow, BS
Columbia University
Targeting IDH1-mutant Gliomas with Radiation Therapy and Glutaminase Blockade
RSNA Research Medical Student Grant

Christopher Lau, BS
University of Southern California
Association of CT Texture and Epigenomics in Clear Cell Renal Carcinoma
RSNA Research Medical Student Grant

John E. Miller, BA
University of Alabama at Birmingham
Comparison of Liver Surface Nodularity Score and Ultrasound Elastography for Predicting Cirrhosis Decompensation
RSNA Research Medical Student Grant

Christian J. Park, BS
Enrolled at Alabama College of Osteopathic Medicine
Research conducted at University of Wisconsin-Madison
Ultra Low Dose PET/MRI Imaging of Crohn’s Disease Using a Novel Deep Learning Construction Method
Philips/RSNA Research Medical Student Grant

Thomas Park, BA
The Medical College of Wisconsin
Does Implementation of an Effective Midline Catheter Program for Vascular Access in a Large Academic Hospital Decrease Rates of Central Line Associated Bloodstream Infections?
RSNA Research Medical Student Grant

Cortlandt Sellers, BS
Yale University
Immune-profiling and Loco-regional Therapy for Hepatocellular Carcinoma
RSNA Research Medical Student Grant

Junjie Shangguan, BA
Northwestern University
Development of HPF-labeled DC Vaccines for Treatment and Prognosis of Pancreatic Cancer
RSNA Research Medical Student Grant

Katie Shpanskaya, BS
Stanford University
Towards Personalized Prognostics in Pediatric Medulloblastoma: Discovery of MRI-based Radiomic Signatures From a Multi-institutional Cohort
RSNA Research Medical Student Grant

Shanmukha Srinivas, BS
University of California, San Diego
Quantification of Hemodynamics of Cerebral Arteriovenous Malformations After Stereotactic Radiosurgery Using 4D Flow MRI
RSNA Research Medical Student Grant

Alex David Waldman, BS
Emory University
Sexually Dimorphic Multiple Sclerosis Pathogenesis and Progression
RSNA Research Medical Student Grant

Amy E. Wilson, BA
Medical College of Wisconsin
Transnasal Sphenopalatine Ganglion Block: An Under Utilized Treatment for Migraines
RSNA Research Medical Student Grant

Anthony D. Yao, BS
Rhode Island Hospital
Utilization of Deep Learning on CT Angiogram to Aid in the Diagnosis of Emergent Large Vessel Occlusion (ELVO)
Canon Medical Systems, USA/RSNA Research Medical Student Grant

Eric Steven Bartlett, MD, MPH
University of Toronto
North American Assessment of Early Emergency Radiology Competence Via an Online Simulator with PGY2 Diagnostic Radiology Residents
RSNA Education Scholar Grant

Aritrick Chatterjee, PhD
University of Chicago
An Interactive App with Multi-parametric MRI — Whole Mount Histology Correlation For Enhanced Prostate MRI Training of Radiologists
RSNA Education Scholar Grant

Richard Duszak, MD
Emory University
Radiology Economics and Policy Learning Electronic Toolkit (REPLeT)
GE Healthcare/RSNA Education Scholar Grant

Jillian Rebecca Gunther, MD, PhD
The University of Texas MD Anderson Cancer Center
Development of a Contour Evaluation Platform to Improve Radiation Oncology Education
Philips/RSNA Education Scholar Grant

Michael James Potchen, MD
University of Rochester
Practerra — A Portable Radiology Curriculum for Training, Evaluating and Retaining Radiologists for Africa
RSNA Education Scholar Grant

John R. Scheel, MD, PhD, MPH
University of Washington
Reducing Patient and Health System Delays Contributing to Late Stage Breast Cancer Diagnosis in Uganda
RSNA Education Scholar Grant

Monica Majmundar Sheth, MD
Zucker School of Medicine at Hofstra/Northwell
Bridging the Gap Between Residency Training and Clinical Practice: The Development of Entrustable Professional Activities for Breast Imaging (EPA-BR), EPA-BR Based Curriculum and Self-assessment Modules
RSNA Education Scholar Grant
RSNA/AUR/APDR/SCARD Radiology Education Research Development Grant

Megan Mills, MD
University of Utah
Eye of the Beholder: Quantitative and Qualitative Measures of Radiology Residents’ Perceptual Skills
RSNA/AUR/APDR/SCARD Radiology Education Research Development Grant

Kawan S. Rakhra, MD
University of Ottawa
The Radiology E-score: Developing a Dedicated Metric for the Evaluation of Educational Scholarly Activity of Academic Radiologists
RSNA/AUR/APDR/SCARD Radiology Education Research Development Grant

RSNA R&E Foundation Announces Recipients of the 2018 Roentgen Resident/Fellow Research Award

The RSNA Research & Education (R&E) Foundation presented the 2018 Roentgen Resident/Fellow Research Award to 181 residents and fellows throughout North America. This prestigious and competitive award recognizes trainees who have made significant contributions to their departments’ research efforts as evidenced by:

- 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
- Other research activities

Marium S. Aboian, MD, PhD
University of California, San Francisco
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Baptist Memorial Hospital - Memphis
Michael S. Achilleos, MD
Baylor University Medical Center - Dallas
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Fox Chase Cancer Center
Musaddiq Awan, MD
University Hospitals Cleveland Medical Center
Case Western Reserve University
James Bai, MD
Stony Brook University School of Medicine
Samuel Bakhoum, MD, PhD
Memorial Sloan Kettering Cancer Center
Ehsan Balagamwala, MD
Cleveland Clinic
Madison Ballard, MD
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Anmol Gupta Bansal, MD
Icahn School of Medicine at Mount Sinai
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The Ohio State University
Girish Bhatia, MBBS
University of Iowa
John C. Benson, MD
University of Minnesota
David Besachio, DO
University of Utah
Sharath Bhagavatula, MD
Brigham and Women’s Hospital
Manav Bhalla, MD
Medical College of Wisconsin
Philip A. Blumenfeld, MD, MPH
Rush University
Brian L. Bones, MD
Wake Forest University
Louis-Olivier Bouchard, MD
Université Laval
Mark Buller, MD
Barrow Neurological Institute
Kirin Kumar Reddy Busireddy, MD
Creighton University
Joseph James Cavallo, MD
Yale University
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Aadel Chaudhuri, MD, PhD
Stanford University
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Zucker School of Medicine at Hofstra/Northwell
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University of Kentucky
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London Regional Cancer Program, Western University
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David Grant USAF Medical Center
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Rochester General Hospital
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University of Michigan
Suruchi S. Dewolkar, DO
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Drexel University College of Medicine
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University of Kentucky
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Lenox Hill Hospital
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Trevor Echelmeier, MD
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Alexander M. El-Ali, MD
University of Pittsburgh
Naghmehossadat Eshghi, MD, PhD
The University of Arizona
Sarah Eskreis-Winkler, MD
Weill Cornell Medicine
New York-Presbyterian Hospital
Penny Fang, MD, MBA
The University of Texas MD Anderson Cancer Center
Benjamin W. Fischer-Valuck, MD
Washington University in St. Louis
Kristina T. Flicek, MD
Oregon Health & Science University
Samuel Francis, MD
University of Utah, Huntsman Cancer Institute
James O. Galle, MD
Indiana University
Mauricio E. Gomez-Haro, MD
Mayo Clinic Arizona
Sandeeep K. Garg, MD, MS
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Mount Sinai Hospital
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Pradeep Goyal, MBBS
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University of Maryland
Khaled Hammoud, MD
Tufts Medical Center
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