<table>
<thead>
<tr>
<th>Grant Awardee</th>
<th>Institution</th>
<th>Year Approved</th>
<th>Grant Type</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gerber, Adam</td>
<td>New York-Presbyterian Hospital (Columbia)</td>
<td>2019</td>
<td>MRTG</td>
<td>Attenuation of LPS induced lung injury with an inhaled MMP inhibitor</td>
</tr>
<tr>
<td>Puglia, Michael</td>
<td>University of Michigan</td>
<td>2019</td>
<td>MRTG</td>
<td>Connectivity and Complexity During General Anesthesia in the Developing Brain</td>
</tr>
<tr>
<td>Williams, Britteny</td>
<td>University of Maryland School of Medicine</td>
<td>2019</td>
<td>MRTG</td>
<td>Role of TLR7 in platelet activation and dysfunction in sepsis</td>
</tr>
<tr>
<td>Frangakis, Stephan</td>
<td>Duke University School of Medicine</td>
<td>2019</td>
<td>MRTG</td>
<td>Role of TLR7 in platelet activation and dysfunction in sepsis</td>
</tr>
<tr>
<td>Xu, Yifan</td>
<td>Oregon Health and Science University</td>
<td>2019</td>
<td>MRTG</td>
<td>Identification of molecular targets of tropoelop-induced cardiac depression with the novel photoaffinity label ortho-azi-fropofol</td>
</tr>
<tr>
<td>White, Elizabeth</td>
<td>University of Pennsylvania Medical Center</td>
<td>2019</td>
<td>MRTG</td>
<td>Neuronal Mechanisms of Unconsciousness in an Absence Seizure Model</td>
</tr>
<tr>
<td>Gruenbaum, Benjamin</td>
<td>Yale University School of Medicine</td>
<td>2019</td>
<td>MRTG</td>
<td>Deciphering the Locus Coeruleus-Thalamic Circuit in Anesthetic Emergence</td>
</tr>
<tr>
<td>Li, Li</td>
<td>University of Washington</td>
<td>2019</td>
<td>MRTG</td>
<td>Anesthetic effects on mitochondrial localization during neural development in zebrafish</td>
</tr>
<tr>
<td>Bedell, Victoria</td>
<td>University of Pennsylvania Medical Center</td>
<td>2019</td>
<td>MRTG</td>
<td>Probing the Neural Mechanisms of Post-Anesthesia Care Unit Delirium Using Functional Near-Infrared Spectroscopy</td>
</tr>
<tr>
<td>Safavynia, Seyed</td>
<td>Weill Medical College of Cornell University</td>
<td>2019</td>
<td>MRTG</td>
<td>The Role of Specialized Pro-resolving Mediators in the Development of Persistent Post-Surgical Pain</td>
</tr>
<tr>
<td>Soens, Mieke</td>
<td>Brigham and Women's Hospital</td>
<td>2019</td>
<td>MRTG</td>
<td>Genome Wide Association Study of Patients with History of Postpartum Hemorrhage</td>
</tr>
<tr>
<td>Kovacheva, Vesela</td>
<td>Brigham and Women's Hospital</td>
<td>2019</td>
<td>MRTG</td>
<td>Increasing the Frequency of Debriefing after Perioperative Crises: Altering Trajectories that Impact Provider Burnout and Wellness</td>
</tr>
<tr>
<td>Araiaga, Alexander</td>
<td>Brigham and Women's Hospital</td>
<td>2019</td>
<td>MRTG</td>
<td>FAER/ABA REG Participation in Maintenance of Certification in Anesthesiology Associated with Clinical Outcomes</td>
</tr>
<tr>
<td>Devinney, Michael</td>
<td>Duke University School of Medicine</td>
<td>2018</td>
<td>MRTG</td>
<td>The association of obstructive sleep apnea with postoperative cognitive dysfunction and neuroinflammation</td>
</tr>
<tr>
<td>Rong, Lisa</td>
<td>Weill Medical College of Cornell University</td>
<td>2018</td>
<td>MRTG</td>
<td>Mitril Apparatus Tissue Characterization for Prediction of Anesthesia-induced changes and mid-term success after surgical and percutaneous Mitral Valve Repair</td>
</tr>
<tr>
<td>Anderson, Thomas</td>
<td>Stanford University School of Medicine</td>
<td>2018</td>
<td>MRTG</td>
<td>Modulation of acute and chronic pain using focused ultrasound on the peripheral nervous system</td>
</tr>
<tr>
<td>Doshi, Tina</td>
<td>Johns Hopkins University</td>
<td>2018</td>
<td>MRTG</td>
<td>Novel Biomarkers and Pain Phenotypes in Trigeminal Neuralgia</td>
</tr>
<tr>
<td>Whitlock, Elizabeth</td>
<td>University of California, San Francisco</td>
<td>2018</td>
<td>MRTG</td>
<td>Impact of Coronary Revascularization on Longitudinal Cognitive Change in the Elderly</td>
</tr>
<tr>
<td>Schennig, Katie</td>
<td>Oregon Health and Science University</td>
<td>2018</td>
<td>MRTG</td>
<td>The role of Alzheimer's risk factors in cognitive decline after spine surgery</td>
</tr>
<tr>
<td>Ebert, Thomas</td>
<td>Medical College of Wisconsin</td>
<td>2018</td>
<td>MRTG</td>
<td>Beyond Milestones; using Holistic Ratings to Evaluate Trainee Performance</td>
</tr>
<tr>
<td>Gurbis, Katharine</td>
<td>Washington University School of Medicine</td>
<td>2018</td>
<td>MRTG</td>
<td>Preclinical Evaluation of Analgesia Mediated by a Novel Muscarinic M4 Positive Allosteric Modulator</td>
</tr>
<tr>
<td>Salmasi, Vafi</td>
<td>Stanford University School of Medicine</td>
<td>2018</td>
<td>MRTG</td>
<td>Comparing effectiveness of Duloxetine and Desipramine in patients with chronic pain: A pragmatic randomized controlled trial using point of care randomization</td>
</tr>
<tr>
<td>Martini, Ross</td>
<td>Oregon Health and Science University</td>
<td>2018</td>
<td>MRTG</td>
<td>Eicosanoid pathway manipulation and neurophysiology of delayed ischemia after subarachnoid hemorrhage</td>
</tr>
<tr>
<td>Shi, Yu</td>
<td>Mayo Clinic Rochester</td>
<td>2018</td>
<td>MRTG</td>
<td>Longitudinal assessment of affect, behavior, and cognition in children undergoing general anesthesia</td>
</tr>
<tr>
<td>Krishnamoorthy, Vijay</td>
<td>Duke University School of Medicine</td>
<td>2018</td>
<td>MRTG</td>
<td>Mechanisms and Clinical Impact of Myocardial Injury Following Traumatic Brain Injury</td>
</tr>
<tr>
<td>Joseph, Thomas</td>
<td>University of Pennsylvania Medical Center</td>
<td>2018</td>
<td>MRTG</td>
<td>Novel Role of Sphingolipids in Maintaining Vascular Homeostasis</td>
</tr>
<tr>
<td>Cherry, Anne</td>
<td>Duke University School of Medicine</td>
<td>2018</td>
<td>MRTG</td>
<td>Interface of Mitochondrial Quality Control and Immune Activation in Heart Transplant</td>
</tr>
<tr>
<td>Shahul, Sajid</td>
<td>University of Chicago</td>
<td>2017</td>
<td>MRTG</td>
<td>Novel Role of Sphingolipids in Maintaining Vascular Homeostasis</td>
</tr>
<tr>
<td>Lee, Allison</td>
<td>New York-Presbyterian Hospital (Columbia)</td>
<td>2017</td>
<td>MRTG</td>
<td>A mixed methods, RCT comparing two methods of debriefing for a serious game designed to teach novice anesthesia residents (CA1) to perform general anesthesia for emergency cesarean delivery</td>
</tr>
<tr>
<td>Bicket, Mark</td>
<td>Johns Hopkins University</td>
<td>2017</td>
<td>MRTG</td>
<td>Consequences of non-optimal opioid prescribing after surgery</td>
</tr>
<tr>
<td>Smith, Loren</td>
<td>Vanderbilt University Medical Center</td>
<td>2017</td>
<td>MRTG</td>
<td>High Density Lipoprotein Particle Characteristics and the Risk of Acute Kidney Injury After Cardiac Surgery</td>
</tr>
<tr>
<td>Whitlock, Elizabeth</td>
<td>University of California, San Francisco</td>
<td>2017</td>
<td>MRTG</td>
<td>Cognitive Trajectories Before and After Coronary Revascularization in the Elderly</td>
</tr>
<tr>
<td>Freed, Julie</td>
<td>MedStar Washington Hospital Center</td>
<td>2017</td>
<td>MRTG</td>
<td>Novel Role of Sphingolipids in Maintaining Vascular Homeostasis</td>
</tr>
<tr>
<td>Slupe, Andrew</td>
<td>Oregon Health and Science University</td>
<td>2017</td>
<td>MRTG</td>
<td>Use of a Value-Driven Electronic, Milestone-Based Clinical Pathway to Improve Value for Patients Undergoing Coronary Artery Bypass Grafting Surgery</td>
</tr>
<tr>
<td>Kingster, Andrew</td>
<td>Vanderbilt University Medical Center</td>
<td>2017</td>
<td>MRTG</td>
<td>Human memory encoding under anesthesia: how pain affects hippocampal and amygdalar contributions to memory</td>
</tr>
<tr>
<td>Vogt, Keith</td>
<td>University of Pittsburgh Medical Center</td>
<td>2017</td>
<td>MRTG</td>
<td>Examination of Isoflurane Activated Neural Circuits</td>
</tr>
<tr>
<td>Norris, Aaron</td>
<td>Washington University School of Medicine</td>
<td>2017</td>
<td>MRTG</td>
<td>Reversible Immunomodulation as a Strategy for Ischemia Tolerance in Hibernation</td>
</tr>
<tr>
<td>Approved FAER Awards</td>
<td>University</td>
<td>Year</td>
<td>Title of Project</td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>------------</td>
<td>------</td>
<td>-----------------</td>
<td></td>
</tr>
<tr>
<td>Woodworth, Glenn</td>
<td>Oregon Health and Science University</td>
<td>2012</td>
<td>REG</td>
<td>Creation &amp; Validation of Computer-based Knowledge Assessment Tool for Anatomy &amp; Ultrasound Interpretation for Ultrasound Guided Regional Anesthesia</td>
</tr>
<tr>
<td>Bustamante, Sergio</td>
<td>Cleveland Clinic</td>
<td>2012</td>
<td>REG</td>
<td>Evaluation of A Novel Portable Simulator, The Teaching On Wheels Cart (ToWCart), as a training tool For Anesthesiology Residents In lung isolation</td>
</tr>
<tr>
<td>Mitchell, John</td>
<td>Beth Israel Deaconess Medical Center</td>
<td>2012</td>
<td>RFG</td>
<td>Enhancing Feedback on Professionalism and Interpersonal Communication in Anesthesia Residency Programs</td>
</tr>
<tr>
<td>Schenning, Katie</td>
<td>Oregon Health and Science University</td>
<td>2012</td>
<td>RFG</td>
<td>Ischemic Injury to Glomerular Endothelium: Mechanism of Hyperglycemic Protection</td>
</tr>
<tr>
<td>Woodbury, Anna</td>
<td>Emory University School of Medicine</td>
<td>2012</td>
<td>RFG</td>
<td>Neonatal Pain Results in Neuro-Psychiatric Disorders: Honkilo's Role in Treatment and Prevention</td>
</tr>
<tr>
<td>Quinones, Quintin</td>
<td>Duke University School of Medicine</td>
<td>2012</td>
<td>RFG</td>
<td>Organ Protective Mechanisms Invoked in Mammalian Hibernation</td>
</tr>
<tr>
<td>Xu, Jiujen</td>
<td>Cleveland Clinic</td>
<td>2012</td>
<td>RFG</td>
<td>Role of Cannabinoid Receptor 2 in Complex Regional Pain Syndrome I (CRPS-I)</td>
</tr>
<tr>
<td>Tighe, Patrick</td>
<td>University of Florida Medical Center</td>
<td>2012</td>
<td>MRTG-CT</td>
<td>Learning from Pain: Application of Machine Learning Classifiers to Predict Severe Acute Postoperative Pain</td>
</tr>
<tr>
<td>Fernandez-Bustamante, Ana</td>
<td>University of Colorado Denver</td>
<td>2012</td>
<td>MRTG-CT</td>
<td>Heme Oxygenase-1 (HO-1) Induced M2 Macrophage Activation Prevents Acute Lung Injury (ALI) and Aging-Related ALI</td>
</tr>
<tr>
<td>Austin, Thomas</td>
<td>Vanderbilt University Medical Center</td>
<td>2012</td>
<td>MRTG-BS</td>
<td>Effect of Neuronal K-Cl Cotransporter KCC2 Activation on Pain Perception</td>
</tr>
<tr>
<td>Cereda, Maurizio</td>
<td>University of Pennsylvania Medical Center</td>
<td>2012</td>
<td>MRTG-BS</td>
<td>Regional Assessment Of Ventilator Induced Lung Injury Using Functional Imaging</td>
</tr>
<tr>
<td>Prakash, Arun</td>
<td>University of California, San Francisco</td>
<td>2012</td>
<td>MRTG-BS</td>
<td>Investigating the Role of Innate Immune Cells and Pathways in Ventilated Lung Ischemia Reperfusion (IR) Injury</td>
</tr>
<tr>
<td>Deiner, Stacie</td>
<td>Icahn School of Medicine at Mount Sinai</td>
<td>2011</td>
<td>GEMSTAR</td>
<td>The Geriatric Surgical Patient: Stress, Anesthetics, and Functional Outcomes</td>
</tr>
<tr>
<td>Diachun, Carol Ann</td>
<td>University of Rochester-Strong Memorial Hospital</td>
<td>2011</td>
<td>REG</td>
<td>Development and Evaluation of Academic Electronic Portfolio for Anesthesia Faculty</td>
</tr>
<tr>
<td>McEvoy, Matthew</td>
<td>Medical College of Wisconsin</td>
<td>2011</td>
<td>REG</td>
<td>Can Identification of Personality Types and High Fidelity Simulation Training Improve Clinical Daily Practice?</td>
</tr>
<tr>
<td>Ellinas, Herodotos</td>
<td>Medical College of Wisconsin</td>
<td>2011</td>
<td>REG</td>
<td>Can Identification of Personality Types and High Fidelity Simulation Training Improve Clinical Daily Practice?</td>
</tr>
<tr>
<td>Riveros Perez, Nelson</td>
<td>Cleveland Clinic</td>
<td>2011</td>
<td>REG</td>
<td>Evaluation of Multisource Feedback in Professionalism for Anesthesia</td>
</tr>
<tr>
<td>Sykes, Kenneth</td>
<td>Washington University School of Medicine</td>
<td>2011</td>
<td>RFG</td>
<td>The Effect of mGluR5 Positive Allosteric Modulator CDPPB on Noxious Sensitivity in Mice</td>
</tr>
<tr>
<td>Waterman, Ruth</td>
<td>Ochsner Clinic Foundation</td>
<td>2011</td>
<td>RFG</td>
<td>Immunosuppressive Mesenchymal Stem Cells (MSC2): A New Treatment for Diabetic Peripheral Neuropathy</td>
</tr>
<tr>
<td>Billings, Frederic</td>
<td>Vanderbilt University Medical Center</td>
<td>2011</td>
<td>MRTG</td>
<td>The Effect of Atofivastatin on Renal Oxidant Injury in Patients Undergoing Cardiac Surgery</td>
</tr>
<tr>
<td>Neuman, Mark</td>
<td>University of Pennsylvania Medical Center</td>
<td>2011</td>
<td>MRTG</td>
<td>Anesthesia Technique and Outcomes After Hip Fracture: Instrumental Variable Analysis</td>
</tr>
<tr>
<td>Kor, Daryl</td>
<td>Mayo Clinic Rochester</td>
<td>2011</td>
<td>MRTG</td>
<td>Risk Prediction and Mechanistic Evaluation of Postoperative Acute Lung Injury</td>
</tr>
<tr>
<td>Hartman, William</td>
<td>Mayo Clinic Rochester</td>
<td>2011</td>
<td>MRTG</td>
<td>Brain-Derived Neurotrophic Factor in Hypoxia-Induced Pulmonary Hypertension</td>
</tr>
<tr>
<td>Bachiller, Patricia</td>
<td>Massachusetts General Hospital</td>
<td>2011</td>
<td>MRTG</td>
<td>Mechanisms of TGFBeta Modulation of Development in the Injured Newborn Lung</td>
</tr>
<tr>
<td>Aslakson, Rebecca</td>
<td>Johns Hopkins University</td>
<td>2011</td>
<td>MRTG</td>
<td>Crafting a Palliative Care Intervention for Surgical Intensive Care Unit Patients</td>
</tr>
<tr>
<td>Ward, Christopher</td>
<td>Children's Hospital of Philadelphia</td>
<td>2011</td>
<td>MRTG</td>
<td>Role of Neuronal Maturation in Anesthesia-Induced Apopotosis</td>
</tr>
<tr>
<td>Palanisamy, Arvind</td>
<td>Brigham and Women's Hospital</td>
<td>2011</td>
<td>MRTG</td>
<td>Fetal Neurodevelopment after Maternal Anesthesia</td>
</tr>
<tr>
<td>Bick, Julian</td>
<td>Vanderbilt University Medical Center</td>
<td>2010</td>
<td>REG</td>
<td>Incorporation of Basic Transesophageal Echocardiography Training into Anesthesiology Residency</td>
</tr>
<tr>
<td>Nemergut, Michael</td>
<td>Johns Hopkins University</td>
<td>2010</td>
<td>RFG</td>
<td>Pediatric Neurotoxicity of General Anesthetics</td>
</tr>
<tr>
<td>Kundchakar, Sapna</td>
<td>Johns Hopkins University</td>
<td>2010</td>
<td>RFG</td>
<td>The Impact of Pain and Pain Management on the Quality and Duration of Sleep in Mechanically Ventilated Children</td>
</tr>
<tr>
<td>Ngamparasertwong, Pornswan</td>
<td>Cincinnati Children's Hospital Medical Center</td>
<td>2010</td>
<td>RFG</td>
<td>Effect of Maternal Anesthesia on Fetal Outcomes in Sheep Model</td>
</tr>
<tr>
<td>Proekt, Alexander</td>
<td>Weill Medical College of Cornell University</td>
<td>2010</td>
<td>MRTG</td>
<td>Neurophysiological Basis of Emergence from General Anesthesia</td>
</tr>
<tr>
<td>Palanca, Ben Julian</td>
<td>Washington University School of Medicine</td>
<td>2010</td>
<td>MRTG</td>
<td>Neural Correlates of Anesthetic-Induced Unconsciousness in fMRI and EEG Signals</td>
</tr>
<tr>
<td>Hughes, Christopher</td>
<td>Vanderbilt University Medical Center</td>
<td>2010</td>
<td>MRTG</td>
<td>The Role of Endothelial Dysfunction in Intensive Care Unit Delirium and Long-Term Cognitive Impairment</td>
</tr>
<tr>
<td>Guan, Zhonghui</td>
<td>University of California, San Francisco</td>
<td>2010</td>
<td>MRTG</td>
<td>Contribution of Histone Acetylation in Inflammatory Pain</td>
</tr>
<tr>
<td>Kisler, Erik</td>
<td>University of California, San Diego</td>
<td>2010</td>
<td>MRTG</td>
<td>A Novel Strategy for the Identification and Treatment of Gut-Derived Inflammatory Mediators Responsible for the Pathogenesis of Circulatory Shock</td>
</tr>
<tr>
<td>Wang, Jing</td>
<td>New York University Medical Center</td>
<td>2010</td>
<td>MRTG</td>
<td>Chronic Pain Increases Calcium Permeable AMPA Receptors, Which in Turn Regulate Anhedonia and Vulnerability to Addiction</td>
</tr>
<tr>
<td>Stucke, Astrid</td>
<td>Medical College of Wisconsin</td>
<td>2010</td>
<td>MRTG</td>
<td>Opioid-Sensitivity of the PreBötzinger Complex in Young and Adult Rabbits</td>
</tr>
<tr>
<td>Lee, Jennifer Kim</td>
<td>Johns Hopkins University</td>
<td>2010</td>
<td>MRTG</td>
<td>The Effects of Pediatric Cardiac Arrest, Hypothermia, and Re-warming on Cerebrovascular Autoregulation</td>
</tr>
<tr>
<td>Muehlislegel, Jochen</td>
<td>Brigham and Women's Hospital</td>
<td>2010</td>
<td>MRTG</td>
<td>Indentification of Cardiac Specific ANRIL Splice Variants</td>
</tr>
<tr>
<td>Fehr, James</td>
<td>Washington University School of Medicine</td>
<td>2009</td>
<td>REG</td>
<td>Skills in Pediatric Anesthesia: A Simulation-Based Assessment Program</td>
</tr>
<tr>
<td>McEvoy, Matthew</td>
<td>Medical University of South Carolina</td>
<td>2009</td>
<td>REG</td>
<td>The Effects of Cognitive Aids on Improving Performance in Simulated High-Stakes Perioperative Events</td>
</tr>
<tr>
<td>Fairbanks, Stacy</td>
<td>Oregon Health and Science University</td>
<td>2009</td>
<td>RFG</td>
<td>Mechanisms of Sex Differences in Neuronal Survival</td>
</tr>
</tbody>
</table>
Approved FAER Awards
Updated 10/29/2019

Lee, Jennifer Kim  
Johns Hopkins University 2009  
RFG  
Cerebrovascular Autoregulation after Pediatric Cardiac Arrest

Houserman, Benjamin  
University of California, San Francisco 2009  
MRTG  
Pharmacologic Dissection of the Phosphoinositide-3-Kinase Pathway in Cardiac Preconditioning and Postconditioning

Chander, Divya  
Stanford University School of Medicine 2009  
MRTG  
Probing the Neural Correlates of Consciousness Using Optogenetics

James, Michael  
Duke University School of Medicine 2009  
MRTG  
Pharmacogenomic Influence of ApoE and Mimetic Peptide on Neurologic Outcomes as a Paradigm for Targeted Therapeutic Development in a Murine Model of Intracerebral Hemorrhage

Bajic, Dusica  
Boston Children's Hospital 2009  
MRTG  
Age Differences of Brain Circuits Mediating Morphine Effect and Development of Morphone Tolerance

Minehart, Rebecca  
Massachusetts General Hospital 2008  
REG  
How Am I Doing: A Novel Approach to Teaching Faculty Skills on Giving Feedback to Trainees

Suresh, Santhanam  
Ann and Robert H. Lurie Children's Hospital of Chicago 2008  
REG  
Regional Anesthesia Education in Infants: A Novel Computer-based Visual Learning Techniques to Improve Confidence and Performance in Anesthesia Residents

Gallos, George  
New York-Presbyterian Hospital (Columbia) 2008  
MRTG  
Endogenous GABA-A Channels on Airway Smooth Muscle: A Novel Therapeutic Target in Asthma

Bartz, Raquel  
Duke University School of Medicine 2008  
MRTG  
Evaluation of the Role the Mitochondrial DNA Repair Enzyme, OGG1, and Nuclear Coactivators, PGC-1alpha, and PRC Play in Mitochondrial Biogenesis of Sepsis

Meissner, Konrad  
Washington University School of Medicine 2008  
MRTG  
Visualizing Cerebral Opioid Transport and P-glycoprotein Function

Liu, Renu  
University of Pennsylvania Medical Center 2008  
MRTG  
A Structural Approach to the Human μ-receptor

Spofford, Christina  
University of Iowa Hospital and Clinics 2008  
MRTG  
Neurotrophic Factor Expression in Post-Operative Pain

Eckle, Tobias  
University of Colorado Denver 2008  
MRTG  
Myocardial ischemic Preconditioning through Hypoxia Inducible Factor (HIF)-1alpha

Novalija, Jutta  
Medical College of Wisconsin 2008  
MRTG  
Anesthetic Protection of Endothelial Function from Ischemia-Reperfusion Injury in Humans

Mudumbai, Sesh  
Stanford University School of Medicine 2007  
REG  
Benchmarking Clinical Skills of Third Year Anesthesiology Residents Using 360 Multisource Ratings and High-Fidelity Simulation

Cheng, Sara  
University of Colorado Denver 2007  
RFG  
Goal-directed therapy for VTE prophylaxis in the surgical ICU

Wunsch, Hannah  
New York-Presbyterian Hospital (Columbia) 2007  
REG  
Evaluation of Long-term Outcomes for Intensive Care Patients

Ehrenfeld, Jesse  
Massachusetts General Hospital 2007  
RFG  
Automatic Detection and Machine Assisted Correction of Intraoperative Monitoring Gaps During Anesthesia

Nagele, Peter  
Washington University School of Medicine 2007  
MRTG  
Pharmacogenetics of Adverse Outcomes After Nitrous Oxide Anesthesia

Lee, Jae-Woo  
University of California, San Francisco 2007  
MRTG  
Mesenchymal Stem Cells in the Treatment of Acute Lung Injury in Primary Cultures of Human Alveolar Epithelial Type II Cells and in the Ex vivo Perfused Human Lung

Moeller-Bertram, Tobias  
University of California, San Diego 2007  
MRTG  
Pain Perception in Post Traumatic Stress Disorder

Sadhasivam, Senthilkumar  
Cincinnati Children's Hospital Medical Center 2007  
MRTG  
Perioperative Child and Adult Behavioral Interactions and Outcomes

Avidan, Michael  
Washington University School of Medicine 2007  
CFM  
BAG Recall: BIS or Anesthesia Gas to Reduce Explicit Recall

Mashour, George  
University of Michigan 2007  
CFM  
A Prospective, Randomized, Controlled Trial Comparing Bispectral Index Monitoring to Electronic Alerts for Prevention of Awareness During Anesthesia in the General Population

Liu, Lixin  
State University of New York, Stony Brook 2007  
RSG  
Age-Associated Changes in Cardiac Gene Expression Following Anesthetic Preconditioning

Hooten, W. Mayo Clinic Rochester 2007  
RSG  
Temporal Changes in Pain Threshold and Tolerance Among Chronic Pain Patients Following Opioid Withdrawal

Istaphanous, George  
Cincinnati Children's Hospital Medical Center 2007  
RSG  
Anesthesia-Induced Neuronal Cell Death in the Developing Brain

Fox, Amanda  
Brigham and Women's Hospital 2007  
RSG  
Genotypic Influences on Postoperative B-Type Natriuretic Peptide Concentrations and Ventricular Dysfunction with Coronary Artery Bypass Graft Surgery

Hagberg, Carin  
University of Texas Health Science Center, Houston 2007  
REG  
Anticipation of the Difficult Airway: The Preoperative Airway Assessment Form as an Educational and Quality Improvement Tool

Wilkes, Denise  
University of Texas Medical Branch at Galveston 2007  
MRTG  
Viral Transfer of the Micro-Opioid Receptor Gene to the Peripheral Nervous System: A Genetic Approach to the Treatment of Pain

Eltzschig, Holger  
University of Colorado Denver 2007  
MRTG  
Role of A2B Adenosine Receptor in Vascular Leakage During Hypoxia

Ishizawa, Yumiko  
Massachusetts General Hospital 2007  
MRTG  
Thalamocortical Neural Processing and Anesthetic-Induced Anticoagulation

Brady, Ken  
Johns Hopkins University 2007  
MRTG  
Measuring Autoregulation to Improve the Care of Children with Traumatic Brain Injury

Lighthall, Geoffrey  
Stanford University School of Medicine 2006  
REG  
Evaluating the Impact of Educational Programs on the Management of Septic Shock Using Human Patient Simulation

Sall, Jeffrey  
University of California, San Francisco 2006  
MRTG  
Volatile Anesthetic Toxicity in Hippocampal Derived Progenitor Cells

Carroll, Ian  
Stanford University School of Medicine 2006  
MRTG  
Mechanisms of Analgesic Response During IV Lidocaine Infusions in Neuropathic Pain Patients

Williams, James  
Massachusetts General Hospital 2006  
MRTG  
Cortical - Hippocampal Interactions During Propofol Administration

Easley, R.  
Johns Hopkins University 2006  
MRTG  
Molecular Mechanisms of Regional Lung Dysfunction in Ventilator-Associated Lung Injury

Klass, Markus  
Emory University School of Medicine 2006  
MRTG  
Stem Cells for the Treatment of Neuropathic Pain

Saadat, Haleh  
Yale University School of Medicine 2006  
REG  
Implementation and Testing of a Wellness Program Conducted with Anesthesiology Residents at Yale
Yanofsky, Samuel  
Children's Hospital Los Angeles  
2006  
REG  
Examination of a Model Curriculum for Teaching the ACGME Competencies of Professionalism and Interpersonal and Communication Skills in a Pediatric Anesthesiology Fellowship

Kinsky, Michael  
University of Texas Medical Branch at Galveston  
2006  
MRTG  
Pharmacologic Modulation of Fluid Therapy

Solt, Ken  
Massachusetts General Hospital  
2006  
MRTG  
Modulation of 5-HT3A Receptor Kinetics by Inhaled Anesthetics

Sites, Brian  
Dartmouth-Hitchcock Medical Center  
2005  
REG  
The Design and Validation of a Training Intervention Which Accelerates the Novice to Expert Performance and Limits Risks to Patients for Ultrasound-Guided Regional Anesthesia

McEvoy, Matthew  
Medical University of South Carolina  
2005  
RFG  
Modulation of Proteolytic Pathways by Aprotinin: Myocardial Protection in Ischemia-Reperfusion

Rollins, Mark  
University of California, San Francisco  
2005  
MRTG  
A Comparison of Tissue Oxygen Levels in Multiple Organs During Isovolemic Hemodilution with Right and Left-shifted Hemoglobin Based Blood Substitutes

Niemann, Claus  
University of California, San Francisco  
2005  
MRTG  
The Effect of Mild Hypothermia on Hepatic Cellular Metabolism and Transcription Factor Expression in Obese Rats During Ischemia Reperfusion

Kanevsky, Max  
Stanford University School of Medicine  
2005  
MRTG  
Anesthetic Preconditioning in BK Channel Knockout Mice

Murray, David  
Washington University School of Medicine  
2005  
REG  
Acute Care Skills in Anesthesia Practice: A Simulation-Based Performance Assessment

Pandharipande, Pratik  
Vanderbilt University Medical Center  
2005  
MRTG  
A Randomized, Double-Blind Trial in Ventilated ICU Patients Comparing Treatment with an Alpha2 Agonist Versus a Gamma Aminobutyric Acid (GABA)-Agonist to Determine Delirium Rates, Efficacy of Sedation and Analgesia, and Clinical Outcomes Including Duration

Francis, David  
University of Texas Southwestern Medical Center  
2005  
MRTG  
Elucidating the Mechanistic Basis of Acetazolamide’s Action in Disorders of Membrane Excitability: Studies in a Mouse Model of Periodic Paralysis

Illeif, Brian  
University of Florida Medical Center  
2005  
MRTG  
Perineural Local Anesthetic Infusion Following Total Knee and Hip Replacement

Stratmann, Greg  
University of California, San Francisco  
2005  
MRTG  
The Role of Neurogenesis in the Young and Old Brain in Mediating Cognitive Outcome Following Anesthesia

Lee, Lorri  
University of Washington  
2004  
RSG  
Effects of Hypovolemia, Deliberate Hypotension, Anemia and Venous Congestion on Optic Nerve Blood Flow in the Pig

Xie, Zheng  
University of Chicago  
2004  
RSG  
Molecular Mechanisms for Catecholamine Secretion by Anesthetics

Kaczka, David  
Johns Hopkins University  
2004  
RSG  
Noninvasive Determination of Mechanical Heterogeneity in a Canine Model of Acute Lung Injury

Edler, Alice  
Stanford University School of Medicine  
2004  
REG  
The Use of Discussion Questions to Foster Critical Thinking Skills in Human Patient Simulator Education

Randel, Gail  
Northwestern University Feinberg School of Med  
2004  
REG  
Effectiveness of a Difficult Airway Program Using the Intranet and a High Fidelity Human Patient Simulation for Departmental Training

Pian-Smith, May  
Harvard Medical School  
2004  
REG  
Teaching Residents to Question and Challenge: An Experiential Approach

Benzerger, George  
Washington University School of Medicine  
2004  
MRTG  
Structural Correlates Underlying Beta Subunit-Mediated Inactivation in Large-Conductance, Calcium-Activated Potassium Channels

Faberowski, Lisa  
University of Colorado Denver  
2004  
MRTG  
The Effect of Anesthetics on the Developing Brain: Is It a Function of Age?

Kaynar, A. Murat  
University of Pittsburgh Medical Center  
2004  
RTG  
The Role of Matrix Metalloproteinases and Neutrophil Elastase in the Pathophysiology of Ventilator Induced Lung Injury

Keitz, Marc  
University of Pennsylvania Medical School  
2004  
RTG  
Hypocretin Neurons and Hypnosis: A Novel Site for Inhaled Anesthetic Action

Steudel, Wolfgang  
University of Colorado Denver  
2004  
RTG  
HMG-CoA Reductase inhibitors and pulmonay hypertension

Pryor, Kane  
Weill Medical College of Cornell University  
2004  
RSG  
Resistance of Negative Emotional Memory to GABA Drug Effect

Karan, Suzanne  
University of Rochester-Rochester Memorial Hospital  
2004  
RSG  
Validation of a Method to Predict Sedation Induced Upper Airway Obstruction

Pableck, Christina  
Mayo Clinic Rochester  
2004  
RSG  
Regulation of Sarcolemmal Reticulum Ca2+ Stores in Airway Smooth Muscle: The Role of Cyclic Nucleotides

Lombard, Frederick  
Duke University School of Medicine  
2004  
RSG  
The Role of Platelet Derived Growth Factor Ab in Vasosplasm following Subarachnoid Hemorrhage in the Rabbit

Tebich-Cympor, Susan  
Cleveland Clinic  
2004  
REG  
Does Problem-Based Learning Improve Performance on Year One Anesthesiology Residents on Oral Practice Examinations?

Brady, Ken  
Johns Hopkins University  
2004  
RFG  
The Role of Cytosolic Phospholipase A2 -a in Stroke Pathogenesis

Lee, Chanhung  
University of California, San Francisco  
2003  
RTG  
Role of Matrix Metalloproteinase in Cerebral Angiogenesis

Mackey, Sean  
Stanford University School of Medicine  
2003  
RTG  
Imaging Neural Systems in Complex Regional Pain Syndrome

Musch, Guido  
Massachusetts General Hospital  
2003  
RTG  
Regional Effects of Alveolar Recruiting Strategies on Gas Exchange and Cellular Inflammation in Acute Lung Injury

Cotten, Joseph  
Massachusetts General Hospital  
2003  
RTG  
Characterization of the Distribution and Function of DL-M, a Novel Gene of the Dragon Family, at the Neuromuscular Junction

Campagna, Jason  
Massachusetts General Hospital  
2003  
RTG  
Pulmonary Barrier Function: Hypoxic Modulation by the Ecto-5'-nucleotidase (CD73)

Ibla, Juan  
Harvard Medical School  
2003  
RTG  
Neuropsyho logical Basis of Epithalbine-ABT-594 Mediated Analgesia

Cucchiaro, Giovanni  
Children’s Hospital of Philadelphia  
2003  
RTG  
Role of Inducible Nitric Oxide in ß-adrenergic Stimulation Induced Myocardial Ischemic Injury in the Aging Heart

Sun, Jian-Zhong  
Thomas Jefferson University-Jefferson Medical C  
2003  
RSG  
...
Floyd, Thomas  University of Pennsylvania Medical Center  2000  CRSG  Perfusion MRI and Neurologic Injury Associated with Cardiopulmonary Bypass
Leighton, Barbara  Weill Medical College of Cornell University  1999  RSG  Mechanisms of Epidural-Associated Labor Slowing
Kurz, Andrea  Washington University School of Medicine  1999  RSG  Does Nitrous Oxide Increase the Incidence of Surgical Wound Infection and Prolong Hospitalization?
Joshi, Shailendra  New York-Presbyterian Hospital (Columbia)  1999  RSG  Nitroergic Regulation of Cerebrovascular Tone
Culley, Deborah  Harvard Medical School  1999  RSG  Aging and Postanesthetic Cognitive Dysfunction
Kimbro, J.  University of California, San Diego  1999  NIA-BS  Spreading Depression-Induced Preconditioning of the Brain
Winters, Bradford  Johns Hopkins University  1999  NIA-BS  Abnormal Vasoreactivity in the ob/ob Mouse
Chao, Wei  Massachusetts General Hospital  1999  NIA  Role of Insulin-like Growth Factor-1 in Preventing Cardiomyocyte Apoptosis
Njoku, Dolores  Johns Hopkins University  1999  NIA  Volatile Anesthetics and NALT-Induced Tolerance
Donahue, Brian  Vanderbilt University Medical Center  1999  CRSG  The Role of Genetic Polymorphisms in Cardiac Surgery Outcome
Zollo, Raymond  University of Rochester-Rockland Memorial Hospital  1999  RFG  The effect of anisens PRC-2 knockdown on neuroepathic pain
Wischmeier, Paul  University of Chicago  1999  RFG  The Effects of Glutamine on Induction of the Stress Response to Improve Outcome from Sepsis
Todorovic, Slobodan  Washington University School of Medicine  1999  NIA  Voltage-gated Ca2+ Channels in Sensory Neurons as Targets for Anesthetic and Analgesic Agents
Miller-Hance, Wanda  University of California, San Francisco  1999  NIA  Impact of Intraoperative Transesophageal Echocardiography on Anesthetic and Surgical Management of Pediatric Patients with Congenital and Acquired Heart Disease
Lockhart, Ellen  Duke University School of Medicine  1999  NIA  Progestosterone and endogenous Neuroprotectant
Tung, Avery  University of Chicago  1998  RSG  The Effects of Deep Nighttime Sedation on Restorative Sleep in Rats
Alkire, Michael  University of California, Irvine  1998  RSG  The Role of the Amygdala in Anesthetic-Induced Amnesia
Monitto, Constance  Johns Hopkins University  1998  RSG  Molecular Mechanisms of Cachexia
Waters, Jonathan  Cleveland Clinic  1998  REG  Models of Expert Performance in Anesthesiology
Cucciaro, Giovanni  Children's Hospital of Philadelphia  1998  FLW  Inducible Nitric Oxide Synthase Activity After Hyperoxia and Plasma Levels of S-Nitrosothiols in Rats Exposed to Hyperoxia
Smith, Brian  Stanford University School of Medicine  1998  EDUC  Development of a Novel Training Course on Cardiac Anesthesia
Jevtovic-Todorovic, Vesna  Washington University School of Medicine  1998  NIA  NMDA Receptor Properties of the Anesthetic Nitrous Oxide
McDowell, Thomas  University of Wisconsin, Madison  1998  NIA  Mechanisms of Analgesia in Primary Nociceptive Neurons
Tsang, Brian  University of Mississippi Medical Center  1998  NIA  Spinal Opioid Receptor and the Corresponding mRNA Regulation upon the Development of Tolerance to Intrathecal Opioids
Morey, Timothy  University of Florida Medical Center  1998  NIA  Modulation of triggered activity by intravenous anesthetics in rabbit isolated ventricular myocytes: Mechanisms and clinical implications
Schmacher, Mark  University of California, San Francisco  1998  NIA  The Role of Capsaicin Receptors in Nociception
Hecker, James  University of California, San Diego  1998  NIA  Transient Expression of Intracellular Proteins for Pre-Operative CNS Protection
Lang, John  University of Alabama at Birmingham  1998  NIA  Carbon Dioxide - Mediated Amplification of Pulmonary Inflammation: Free Radical Interactions
Baker, Keith  Massachusetts General Hospital  1998  NIA  The Role of the Cardiac Pacemaker Current, Ih, in Maintaining and Regulating the Heart Rate
Collard, Charles  Brigham and Women's Hospital  1998  NIA  Reoxygenation of Hypoxic Human Endothelial Cells Activates the Lectin Complement Pathway
Clark, David  University of Washington  1998  RSG  Regulation of Expression of Potassium Channels in the Isolated Heart
Roth, David  University of California, San Diego  1997  RSG  Increased adenylate cyclase expression and cardiac function
Mittman, Scott  Johns Hopkins University  1997  RSG  Selective Expression of Nα1C Channel a-subunit Isoforms on Nociceptors
Patterson, Andrew  Stanford University School of Medicine  1997  RFG  The Beneficial Role of B-Adrenergic Receptor Blocking Agents in the Treatment of Congestive Heart Failure: Examination of the Molecular Mechanisms of Action
Harwood, Timothy  Wake Forest University School of Medicine  1997  EDUC  Computer Assisted Instruction versus Traditional Lecture: Short- and Long-Term Knowledge Retention
Egan, Talmage  University of Utah Medical Center  1997  CRSG  Quantitative Pharmacodynamic Analysis of Hypnotic and Opioid Interactions in Volunteers
Macario, Alex  Stanford University School of Medicine  1997  CRSG  Patient Preferences for Postoperative Outcomes
Cronin, Arthur  Penn State University-Milton S. Hershey Medical Center  1997  CRSG  Melatonin Therapy for Postoperative Sleep Disturbance and Hypoxia
Bigatello, Luca  Massachusetts General Hospital  1997  CRSG  Phosphodiesterase Blockade with Intravenous Dipyridamole during Nitric Oxide Inhalation in the Acute Respiratory Distress Syndrome: a Dose-Response Study
Steckner, Karen  Cleveland Clinic  1997  REG  Can Interactive Instruction using Patient Simulation Improve Clinical Teaching of Anesthesiology Residents?
Antognini, Joseph  University of California, Davis  1997  NIA  The Effect of Differential Isoflurane Delivery to Brain and Spinal Cord on Inhibitory and Excitatory Output From the Brain
Flood, Pamela  New York-Presbyterian Hospital (Columbia)  1997  NIA  General Anesthetic Activity at Neuronal Nicotinic Acetylcholine Receptors
Wong, Gilbert  Mayo Clinic Rochester  1997  NIA  The Effect of Neurolytic Celiac Plexus Block on Pain Relief, Quality of Life, and Survival in Patients with Pancreatic Cancer
Meiler, Steffen  
Massachusetts General Hospital  
1997  
NIA  
The Pickwick Locus in Zebrafish: A Proposed Model of Cardiac Cell Differentiation by Inductive Interaction

Hunter, Keith  
Howard University Hospital  
1997  
NIA  
Regulation of Heme Oxygenase in Response to Acute Lung Injury and Sepsis

Benveniste, Helene  
Duke University School of Medicine  
1997  
NIA  
In vivo Magnetic Resonance microscopy of continuous spinal anesthesia: Mechanisms of local anesthetic neurotoxicity

Lennox, Paul  
Brigham and Women's Hospital  
1997  
NIA  
Mechanisms of Vascular Injury Following Complement Activation

Lin, Jim  
University of Chicago  
1997  
FLW  
Mechanisms of Preconditioning Protection Against Ischemic Injury

Gyulai, Ferenc  
University of Pittsburgh Medical Center  
1997  
NIA  
Quantitative Tests of the GABA-A Receptor Hypothesis of Volatile General Anesthetic Action using In Vivo Human Brain Imaging

Chang, Nancy  
University of Chicago  
1996  
RSG  
Molecular Probes to Investigate the Voltage-Gated Sodium Channel Structure

Hecker, James  
University of California, Davis  
1996  
RSG  
Transient Expression of Protective Intracellular Proteins by Delivery of Nucleic Acid/Cationic Lipid Complexes

Stuth, Ekechard  
Medical College of Wisconsin  
1996  
RSG  
Effects of Volatile Anesthetics on Synaptic Transmission in Respiratory Neurons

Baker, Keith  
Massachusetts General Hospital  
1996  
RSG  
Cardiac Arrhythmias Produced by Dysfunctional Ion Channels

Simon, Brett  
Johns Hopkins University  
1996  
RSG  
Regional Ventilation and Volume Recruitment in Acute Lung Injury

Bennett-Guerrero, Elliott  
Icahn School of Medicine at Mount Sinai  
1996  
RSG  
Preoperative Serum Anti-Endotoxin-Core Antibody (EndoCAb) Levels and Adverse Outcome Following Liver Transplant

Brown, Daniel  
Johns Hopkins University  
1996  
RFG  
Mechanisms of Cachexia

Gerhardt, Mark  
Duke University School of Medicine  
1996  
FLW  
Acute B-Adrenergic Receptor Desensitization During Cardiopulmonary Bypass in Patients with Cardiac Valve Disease

Marshall, Bryan  
University of Pennsylvania Medical Center  
1996  
EDUC  
Pulmonary Hemodynamics and Gas Exchange: A Self - Teaching Program

Palmer, Pamela  
University of California, San Francisco  
1996  
YIA  
Role of Serotonin Receptor Subtypes in Peripheral Pain Mechanisms

Malan, Thomas  
University of Arizona Health Sciences  
1996  
YIA  
Role of C-fos Expression in the Regulation of Neuropathic Pain

Sapirstein, Adam  
Massachusetts General Hospital  
1996  
YIA  
Mechanisms of cytosolic phospholipase A2 mediated cell death and gene regulation

Pajewski, Thomas  
University of Virginia  
1996  
NIA  
Anesthetic Effects on Nitric Oxide Signaling in the Central Nervous System

Johansson, Jonas  
University of Pennsylvania Medical Center  
1996  
NIA  
Interaction of Volatile General Anesthetics and Proteins Assessed by Fluorescence and Circular Dichroism Spectroscopy

Chetham, Paul  
University of Colorado Denver  
1996  
NIA  
Regulation of Ischemia-Reperfusion Pulmonary Edema by Endothelial Cell Phosphatases

Farber, Neil  
Medical College of Wisconsin  
1996  
NIA  
The Role of Nitric Oxide in Modulating Volatile Anesthetic-Induced Actions on Intracerebral Microvessels

Klaffa, Jerome  
University of Chicago  
1996  
EDUC  
The Impact of a Specialized Preoperative Teaching Videotape on Patient Outcome

Sanga, RaghuRam  
University of Texas Southwestern Medical Center  
1995  
RSG  
Cerebral Protection During Ischemia, A Molecular Genetics Approach

Gyulai, Ferenc  
University of Pittsburgh Medical Center  
1995  
RSG  
In Vivo Imaging of Volatile Anesthetic Action at Cerebral GABA-A Receptors

Gilbert, Timothy  
University of Maryland School of Medicine  
1995  
RSG  
Physiologic and Mechanical Changes in the Respiratory System Following Lung Volume Reduction Surgery (Reduction Pneumoplasty)

Graham, Brent  
University of Chicago  
1995  
RSG  
Characterization of Noradrenergic Receptors Mediating Antinociception in Rats

Ness, Timothy  
University of Alabama at Birmingham  
1995  
RSG  
The Effect of Drug Treatment on Spinal Cord Stimulation-Produced Analgesia

Wildner, Robert  
Boston Children's Hospital  
1995  
RSG  
Mechanism of Tachyphylaxis to Local Anesthetics

Groban, Leanne  
Wake Forest University School of Medicine  
1995  
FLW  
The Effects of Chlorpromazine on Myocardial Protection in Ischemically Injured Canine Hearts

Niklason, Laura  
Massachusetts General Hospital  
1995  
FLW  
Tissue Engineered Vascular Prostheses

Reich, David  
Icahn School of Medicine at Mount Sinai  
1995  
EDUC  
A Unique Set of Noninvasive Diagnostic Markers for Coronary Artery Disease

Emala, Charles  
Johns Hopkins University  
1995  
RSG  
Cytokine Modulation of Signal Transduction in Airway Smooth Muscle Cells in Asthma

Ya Deau, Jacques  
Weill Medical College of Cornell University  
1995  
NIA  
Effects of Anesthetic Agents on Stimulated Release of Neuropeptides

Crowder, Charles  
Washington University School of Medicine  
1995  
NIA  
Genetic Analysis of the Molecular Targets of Volatile Anesthetics in C. Elegans

Meyer, Donald  
University of Missouri, Columbia Hospital  
1995  
NIA  
Intracellular Signaling in Hormonal Control of Capillary Permeability

Parness, Jerome  
Rutgers - New Jersey Medical School (Newark)  
1995  
NIA  
Characterization and Identification of the Dantrolene Receptor from Porcine Tissues

Lawson, Charles  
New York-Presbyterian Hospital (Columbia)  
1995  
NIA  
Mechanisms Underlying Hypoxia/Hypoxemia-Induced Activation of Coagulation

Kersten, Judy  
Medical College of Wisconsin  
1995  
NIA  
Effects of Anesthetics on Reversibly Ischemic Myocardium

Shorten, George  
Beth Israel Deaconess Medical Center  
1995  
EDUC  
The Use of Three Dimensional Images of the Human Pharynx to Facilitate Training in Management of the Difficult Airway

Brennan, Timothy  
University of Iowa Hospital and Clinics  
1995  
NIA  
Central Neuronal Hyperexcitability in Postoperative Pain

Deen, Steven  
University of Washington  
1994  
RSG  
Effects of Anemia on Hypoxic Pulmonary Vasorelaxation

McDaniel, Laura  
University of Texas Medical Branch at Galveston  
1994  
RSG  
Diffusion-Weighted Magnetic Resonance Images of the Brain During Cardiopulmonary Bypass in Infant Pigs

Litman, Ronald  
University of Rochester-Strong Memorial Hospita  
1994  
RSG  
Breathing Patterns During Conscious and Deep Sedation in Children

Yland, Marc  
University of Pittsburgh Medical Center  
1994  
RSG  
The Role of Hypothermic Perfusion in Preserving Renal Function

Filmyer, William  
University of Pennsylvania Medical Center  
1994  
RSG  
Central Chemosensitivity of Frog Brain In Vitro
Approved FAER Awards
Updated 10/29/2019

Reasoner, Daniel
University of Iowa Hospital and Clinics
1994
RSG
Leukodepletion and Cerebral Air Embolism

Chetham, Paul
University of Colorado Denver
1994
RSG
Pulmonary Endothelial Cell Intracellular Calcium Release Modulates Ischemia-Reperfusion Edema

Zakowski, Mark
New York University Medical Center
1994
RSG
In Vitro Placental Metabolism and Transfer of Anesthetic (Narcotic) Drugs

Hunter, Keith
Howard University Hospital
1994
RSG
Regulation of Heme Oxygenase in Response to Oxidative Stress

Colonna, David
Wake Forest University School of Medicine
1994
NIA
Cortical Spreading Depression as a Mechanism of Cerebral Ischemic Injury

Raines, Douglas
Massachusetts General Hospital
1994
NIA
Modulation of Affinity State Transitions in the Nicotinic Acetylcholine Receptor by General Anesthetics

Sperry, Richard
University of Utah Medical Center
1994
EDUC
Evaluation of the Economic Efficiency of Academic Anesthesiology Departments

Jobes, David
University of Pennsylvania Medical Center
1994
EDUC
Computer-Aided Instruction in Clinical Competence (Renewal)

Euliano, Tammy
University of Florida Medical Center
1994
EDUC
Simulator-Based Acquisition of OB Anesthesia Skills

Fisher, Quentin
Johns Hopkins University
1994
EDUC
Improving Anesthetic Safety Through Guided Self-Critique by Anesthesiology Trainees

Stapelfeldt, Wolf
University of Pittsburgh Medical Center
1994
YIA
Sensitivity of Substance P-Mediated Somatic Transmission to the Action of General Anesthetics

Sharar, Sam
University of Washington
1994
NIA
Perinatal Changes in Human Leukocyte Surface Molecules and Their Effects on Leukocyte-Endothelial Adherence

Bernards, Christopher
University of Washington
1994
NIA
Effect of Chronic Cocaine Administration on Hemodynamic Response to Vasopressors and Hemorrhage

Greenblatt, Eric
University of Pennsylvania Medical Center
1994
NIA
Molecular Determinants of Volatile Anesthetic Action on GABA-A Receptors

Yost, C.
University of California, San Francisco
1994
NIA
Molecular Basis of Anesthesia in Aplysia Neurons

Gropner, Michael
University of California, San Francisco
1994
NIA
Function and Regulation of the MIW30 and CHIP28 Water Channels in Lung Alveolar Epithelium

Kassing, David
Indiana University School of Medicine
1994
EDUC
The Proficiency, Efficiency and Acceptance of Case-Based Computer-Assisted Instruction in Medical Student Training in Anesthesiology

Deutsch, Nicholas
David Geffen School of Medicine at UCLA
1993
YIA
Regulations of the ATP-Sensitive K+ Channel

Kain, Zeev
Yale University School of Medicine
1993
RSG
Preoperative Anxiety in Preschool Children: Parental Presence at Induction of Anesthesia

Zar, Harvey
University of Pittsburgh Medical Center
1993
RSG
Free Radical Chemistry of the Mildly Hypothermic Liver

Rothfield, Kenneth
University of Pittsburgh Medical Center
1993
RSG
Determinants of the Cardiac Response to Mechanical Ventilation

Maves, Timothy
University of Iowa Hospital and Clinics
1993
RSG
Mechanisms of Neuropathic Pain

Brennan, Timothy
University of Iowa Hospital and Clinics
1993
RSG
Neural Mechanism of Incisional Pain

Utterback, David
University of Florida Medical Center
1993
RSG
Determination of Adenosine Receptors in Human Pulmonary Vasculature

Dyk, John
University of California, San Diego
1993
RSG
Computer Controlled Infusion of Sufentanil for Anesthetic Induction and Maintenance

Antognini, Joseph
University of California, Davis
1993
RSG
Determination of Gross Anatomic Sites of Anesthetic Action

Lawson, Charles
New York-Presbyterian Hospital (Columbia)
1993
RSG
Hypoxia-Induced Activation of Coagulation

Goldstein, Peter
New York-Presbyterian Hospital (Columbia)
1993
RSG
The Effects of Lidocaine on Excitatory Amino Acid Receptors in Rat Dorsal Horn Neurons

Baker, Kristy
New York-Presbyterian Hospital (Columbia)
1993
RSG
The Safety of Deliberate Mild Intraoperative Hypothermia for Craniotomy

Muzi, Michael
Medical College of Wisconsin
1993
RSG
Sympathetic Activation with Desflurane

Forman, Stuart
Harvard Medical School
1993
RSG
A Reverse Pharmacological Test for General Anesthetic Sites in the M2 (Ion Channel) Region of the Nicotinic Acetylcholine Receptor

Salgo, Ivan
University of Pennsylvania Medical Center
1993
FLW
Three Dimensional Echocardiographic Reconstruction and Advanced Endocardial Wall Motion Analysis

Blika, George
Dartmouth-Hitchcock Medical Center
1993
EDUC
Development of an Electronic Checklist System: Improving Equipment Fault Detection to Reduce Human Error as a Cause of Anesthesia Mishaps

Petel, Piyush
University of California, San Diego
1993
YIA
Cerebral Ischemia Induced Arachidonic Acid Metabolism: Effect of Eicosanoids and Free Radicals on Post-Ishemic Neuronal Injury

Roginski, Raymond
Rutgers - New Jersey Medical School (Newark)
1993
YIA
Molecular Biology of Neurotransmitter Receptors

Heath, Mark
New York-Presbyterian Hospital (Columbia)
1993
YIA
The Effects of Volatile Anesthetics on the Regulation of Cytoplasmic Ionized Calcium in Dorsal Horn Spinal Cord Neurons

Connelly, Timothy
University of Wisconsin, Madison
1993
NIA
The Effect of Volatile Anesthetics on the Calcium Release Channel of Cardiac Sarcoplasmic Reticulum

McGowan, Francis
University of Pittsburgh Medical Center
1993
NIA
Myocardial Effects of Cytokines

Gutstein, Howard
University of Michigan
1993
NIA
Neural Mechanisms Underlying Pain Responsiveness

Wallace, Arthur
University of California, San Francisco
1993
NIA
Coronary Vasomotion and Ventricular Function in Man

Wendling, Woodrow
Temple University School of Medicine
1993
NIA
Direct Effects of N-Methyl-D-Aspartate (NMDA) Receptor Antagonists and Hypothermia on Cerebral Arterial Tone and 45 Calcium Fluxes

From, Robert
University of Iowa Hospital and Clinics
1993
EDUC
Improving the Selection and Evaluation of Anesthesia Residents with Behavior-based Measures of Performance
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Year</th>
<th>Type</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reich, David</td>
<td>Icahn School of Medicine at Mount Sinai</td>
<td>1993</td>
<td>EDUC</td>
<td>Assessment of Noncognitive Characteristics of Residents in Anesthesiology: A Longitudinal Study</td>
</tr>
<tr>
<td>Gonzales, Jerry</td>
<td>University of Pennsylvania Medical Center</td>
<td>1993</td>
<td>YIA</td>
<td>Pentobarbital and CAMP Regulation in Cultured Mammalian Cells</td>
</tr>
<tr>
<td>Terman, Gregory</td>
<td>University of Washington</td>
<td>1992</td>
<td>RSG</td>
<td>Kappa Opioid Modulation of Long-Term Potentiation</td>
</tr>
<tr>
<td>Gosten, Beth</td>
<td>University of Washington</td>
<td>1992</td>
<td>RSG</td>
<td>Epidural Anesthesia and Thermoregulatory Responses in Humans</td>
</tr>
<tr>
<td>Pashayan, Annette</td>
<td>University of Florida Medical Center (Newark)</td>
<td>1992</td>
<td>RSG</td>
<td>Effect of Anesthetics on Neuronal Cell Metabolism</td>
</tr>
<tr>
<td>O'Hara, Doreene</td>
<td>Rutgers - New Jersey Medical School (Newark)</td>
<td>1992</td>
<td>RSG</td>
<td>Closed-Loop Infusion of Picrotoxan During Cardiopulmonary Bypass</td>
</tr>
<tr>
<td>Perkins, William</td>
<td>Oregon Health and Science University</td>
<td>1992</td>
<td>RSG</td>
<td>The Anesthetic Effects of N-methyl-D-aspartate Receptor Antagonists</td>
</tr>
<tr>
<td>Vesely, Robert</td>
<td>Memorial Sloan Kettering Cancer Center</td>
<td>1992</td>
<td>RSG</td>
<td>Correlation of Electroencephalographic (EEG) and Cognitive Effects (Specifically Amnesia) During Intravenous Sedation</td>
</tr>
<tr>
<td>Stekel, Thomas</td>
<td>Medical College of Wisconsin</td>
<td>1992</td>
<td>RSG</td>
<td>The Effects of Anesthetic Agents on Sympathetic Regulation of Mesenteric Vasculature in Chronic Hypertension</td>
</tr>
<tr>
<td>Lee, David</td>
<td>Weil Medical College of Cornell University</td>
<td>1992</td>
<td>RFG</td>
<td>Effects of Volatile Anesthetics on Voltage Dependent Calcium Channel Number &amp; Phosphorylation State in Langendorff Perfused Hearts</td>
</tr>
<tr>
<td>Berkowitz, Dan</td>
<td>Duke University School of Medicine</td>
<td>1992</td>
<td>FLW</td>
<td>Characterization of alpha1-Adrenergic Receptors in Human Vessels: Initial Studies Using Chimeric Receptors</td>
</tr>
<tr>
<td>Jobs, David</td>
<td>University of Pennsylvania Medical Center</td>
<td>1992</td>
<td>EDUC</td>
<td>Computer Aided Instruction in Clinical Competence</td>
</tr>
<tr>
<td>Childers, Sara Jean</td>
<td>Northwestern University Feinberg School of Med</td>
<td>1992</td>
<td>EDUC</td>
<td>Evaluation of a Videotape for Teaching Fiberoptic Airway Endoscopy and Intubation</td>
</tr>
<tr>
<td>Dickstein, Marc</td>
<td>New York-Presbyterian Hospital (Columbia)</td>
<td>1992</td>
<td>RSG</td>
<td>Right Ventricular Performance in Acute Pulmonary Hypertension</td>
</tr>
<tr>
<td>Hemmings, Hugh</td>
<td>Weil Medical College of Cornell University</td>
<td>1992</td>
<td>NIA</td>
<td>The Effects of General Anesthetics on Synaptosomal Protein Phosphorylation and Neurotransmitter Release</td>
</tr>
<tr>
<td>Clarke, William</td>
<td>University of Washington</td>
<td>1992</td>
<td>NIA</td>
<td>Phosphodiesterase Control of Pulmonary Vascular Resistance</td>
</tr>
<tr>
<td>Crews, James</td>
<td>University of Cincinnati Medical Center</td>
<td>1992</td>
<td>NIA</td>
<td>An Investigation of the Neurophysiologic and Neuropharmacologic Mechanisms of Tourniquet Pain and Compression-Related Neuropathic Pain in a Rat Model</td>
</tr>
<tr>
<td>Leung, Jacqueline</td>
<td>University of California, San Francisco</td>
<td>1992</td>
<td>NIA</td>
<td>Prognostic Significance of Perioperative Myocardial Ischemia in CABG Surgery</td>
</tr>
<tr>
<td>Sun, Lena</td>
<td>New York-Presbyterian Hospital (Columbia)</td>
<td>1992</td>
<td>NIA</td>
<td>The Regulation of Myocardial B Adrenergic Receptor Function in the Neonatal and Adult Rabbit</td>
</tr>
<tr>
<td>McManus, Michael</td>
<td>Boston Children's Hospital</td>
<td>1992</td>
<td>NIA</td>
<td>Molecular and Cellular Mechanisms of Brain Cell Volume Control</td>
</tr>
<tr>
<td>Edler, Alice</td>
<td>Washington University School of Medicine</td>
<td>1992</td>
<td>EDUC</td>
<td>Examination of Selection Criteria and Future Residency Success in Post Graduate Anesthesiology Training</td>
</tr>
<tr>
<td>Harvey, Alan</td>
<td>Tufts Medical Center</td>
<td>1992</td>
<td>EDUC</td>
<td>Teaching of Regional Anesthesia: Component Analysis and Structured Teaching Process</td>
</tr>
<tr>
<td>Schubert, Armin</td>
<td>Cleveland Clinic</td>
<td>1992</td>
<td>EDUC</td>
<td>Oral Practice Examination as a Measure of Resident Performance</td>
</tr>
<tr>
<td>Peterfreund, Robert</td>
<td>Massachusetts General Hospital</td>
<td>1992</td>
<td>NIA</td>
<td>Expression of the Rat A2 Adenosine Receptor</td>
</tr>
<tr>
<td>Snelling, Linda</td>
<td>Yale University School of Medicine</td>
<td>1991</td>
<td>RSG</td>
<td>Physiologic and Biochemical Correlates of Pain in Critically Ill Children</td>
</tr>
<tr>
<td>Gehr, Lynne</td>
<td>Virginia Commonwealth University-Medical Colle</td>
<td>1991</td>
<td>RSG</td>
<td>The Cardioprotective Effects of Anesthetic Agents During Ischemia and Reperfusion</td>
</tr>
<tr>
<td>Shazar, Sam</td>
<td>University of Washington</td>
<td>1991</td>
<td>RSG</td>
<td>Developmentally-Related Expression of Leukocyte Adhesion Molecules in Perinatal Rabbits</td>
</tr>
<tr>
<td>Mackie, Kenneth</td>
<td>University of Rochester</td>
<td>1991</td>
<td>RSG</td>
<td>Cannabinoid Modulation of Neuronal Excitability</td>
</tr>
<tr>
<td>Gild, William</td>
<td>University of Washington</td>
<td>1991</td>
<td>RSG</td>
<td>An Ethnographic Analysis of Clinical Interaction Between Cardiac Anesthesiologists and Surgeons in the Operating Room</td>
</tr>
<tr>
<td>Quinlan, Joseph</td>
<td>University of Pittsburgh Medical Center</td>
<td>1991</td>
<td>RSG</td>
<td>Effect of Volatile General Anesthetics and Anesthetic n-Alkanols on Permeability Through GABAA-Receptor Operated Chloride Channels</td>
</tr>
<tr>
<td>Moore, Peter</td>
<td>University of California, Davis</td>
<td>1991</td>
<td>RSG</td>
<td>Effects of Isoflurane on Regional Myocardial Function During Ischemia in Chronically Instrumented Normotensive and Hypertensive Dogs</td>
</tr>
<tr>
<td>Brose, William</td>
<td>Stanford University School of Medicine</td>
<td>1991</td>
<td>RSG</td>
<td>Optimizing Treatment for Chronic Intractable Pain Using Therapeutic Drug Monitoring and Pharmacokinetic/Pharmacodynamic Concepts</td>
</tr>
<tr>
<td>Shangraw, Robert</td>
<td>Oregon Health and Science University</td>
<td>1991</td>
<td>RSG</td>
<td>Regulation of Glucose Metabolism During Liver Transplantation</td>
</tr>
<tr>
<td>Carp, Harvey</td>
<td>Oregon Health and Science University</td>
<td>1991</td>
<td>RSG</td>
<td>Hemodynamic Response to Intubation: The Role of Peripheral Opiate Receptors</td>
</tr>
<tr>
<td>Lasker, Steven</td>
<td>New York-Presbyterian Hospital (Columbia)</td>
<td>1991</td>
<td>RSG</td>
<td>An Investigation into the Ionic and Electrophysiological Mechanisms of Dysrhythmia Production and Suppression in the 24-Hour Canine Infant Model</td>
</tr>
<tr>
<td>Heath, Mark</td>
<td>New York-Presbyterian Hospital (Columbia)</td>
<td>1991</td>
<td>RSG</td>
<td>The Effect of Volatile Anesthetics on the Subcellular Distribution of Calcium in Dorsal Horn Spinal Cord Neurons</td>
</tr>
<tr>
<td>Raines, Douglas</td>
<td>Massachusetts General Hospital</td>
<td>1991</td>
<td>RSG</td>
<td>The Effect of General Anesthetics on Lipid-Protein Interactions</td>
</tr>
<tr>
<td>Lindeman, Karen</td>
<td>Johns Hopkins University</td>
<td>1991</td>
<td>RSG</td>
<td>The Role of Mediators of Inflammation in Nonspecific Airway Constriction</td>
</tr>
<tr>
<td>Brown, Robert</td>
<td>Johns Hopkins University</td>
<td>1991</td>
<td>RSG</td>
<td>Anesthesia Induced Bronchodilation Assessed by High Resolution Computed Tomography</td>
</tr>
<tr>
<td>Mehkall, Nagy</td>
<td>Cleveland Clinic</td>
<td>1991</td>
<td>RSG</td>
<td>Study of Sympathetic Ganglia in an Experimental Model of Reflex Sympathetic Dystrophy</td>
</tr>
<tr>
<td>Mcrae, Karen</td>
<td>University of Pennsylvania Medical Center</td>
<td>1991</td>
<td>RFG</td>
<td>Surfactant Depletion Model of Acute Respiratory Failure in Rabbits Impairs Diffusive Transport of CO2 in the Alveolated Airways</td>
</tr>
</tbody>
</table>
Bickler, Philip  
University of California, San Francisco  
1991  
NIA  
Cerebral Physiology in Hypoxia Tolerant Animals

Alston, Theodore  
Massachusetts General Hospital  
1991  
NIA  
Effects of Anesthesia on Cobalamin Metabolism

Gentry, William  
Northwestern University Feinberg School of Med  
1991  
FLW  
Determinants of Drug Disposition Under Anesthesia

Slaughter, Thomas  
Duke University School of Medicine  
1991  
FLW  
Mechanisms for the Regulation of Prothrombin Activation During CBP

Cutter, Thomas  
University of Chicago  
1991  
EDUC  
The Attending Anesthesiologist as a Consultant to the Resident

Palmasano, Barbara  
Medical College of Wisconsin  
1991  
NIA  
Direct Myocardial Effects of Halothane and Isoflurane in Normal and Cyanotic Newborn Rabbits

Eckenhofer, Roderic  
University of Pennsylvania Medical Center  
1991  
NIA  
High Resolution Binding Studies of Halothane in C. Elegans

Dennis, Donn  
University of Florida Medical Center  
1991  
NIA  
Modulation of Myocardial Alpha 1-Adenosine Receptor Stimulus Response Coupling:  Mechanisms and Anesthetic Implications

Keifer, John  
Penn State University-Milton S. Hershey Medical  
1991  
NIA  
Cholinergic Mechanisms Mediating Arousal and Narcotic-Induced Respiratory Depression

Levitt, Roy  
Johns Hopkins University  
1991  
NIA  
Hormone Sensitive Lipase:  Gene Candidate in Malignant Hyperthermia Susceptibility

Mark, Lynette  
University of Maryland School of Medicine  
1991  
EDUC  
The Consultant Anesthesiologist:  A New Profile for the Profession of Anesthesiology

Schubert, Armin  
Cleveland Clinic  
1991  
EDUC  
Practice Oral Examination as a Tool for Resident Evaluation in Anesthesiology

Fleisher, Lee  
Yale University School of Medicine  
1990  
RSG  
Power Spectral Analysis and ST Segment Trending as Measures of Reflex Sympathetic Activation in High-Risk Patients Undergoing Regional Anesthesia

Priellipp, Richard  
Wake Forest University School of Medicine  
1990  
RSG  
Beta-Adrenergic Catecholamine Resistance:  The Role of Calcium

Bernards, Christopher  
University of Washington  
1990  
RSG  
Central Nervous System Mediated Cardiovascular Toxicity of Bupivacaine:  Does It Play a Role in Cardiovascular Toxicity of Intravenous Bupivacaine?

Streisand, James  
University of Utah Medical Center  
1990  
RSG  
Transmucosal Absorption of Fentanyl:  Effect of pH and Permeation Enhancers

Gonzales, Jerry  
University of Pennsylvania Medical Center  
1990  
RSG  
Effects of Barbiturates on B-Adrenergic Receptors, Guanine Nucleotide Binding Regulatory Proteins and Adenyl Cyclase

Pohorecki, Roman  
University of Nebraska Medical Center  
1990  
RSG  
Glutamate Toxicity and Ischemic Injury in Rat Hippocampal Slices In Vitro

Ellis, John  
University of Chicago  
1990  
RSG  
Does Perioperative Sympatholytic Therapy Improve Outcome After Non-Cardiac Surgery in Patients at High Risk of Having Coronary Artery Disease?

Arison, Solomon  
University of Chicago  
1990  
RSG  
Quantification of Regional Renal Blood Flow with Contrast Ultrasonography in Dogs

Fleming, Neal  
University of California, Davis  
1990  
RSG  
Effect of Calcitonin Gene-Related Peptide on the Pharmacology and Physiology of Neuromuscular Function

Frank, Evan  
Thomas Jefferson University-Jefferson Medical C  
1990  
RSG  
Effect of Chronic Inhalational Anesthetic Exposition on Membrane Lipid Structure and Composition

Larach, Marilyn  
Penn State University-Milton S. Hershey Medical  
1990  
RSG  
Prediction of Malignant Hyperthermia Susceptibility

Fehr, David  
Penn State University-Milton S. Hershey Medical  
1990  
RSG  
Anesthetic Modulation of Pulmonary Endothelial Function

Hofer, Roger  
Mayo Clinic Rochester  
1990  
RSG  
The Effect of a Platelet Activating Factor Antagonist on Neurologic Outcome and Histopathology Following Complete Cerebral Ischemia in Dogs

Roberts, Jesse  
Massachusetts General Hospital  
1990  
RSG  
Inhaled Nitric Oxide:  Selective Pulmonary Vasodilator for Infants with Persistent Pulmonary Hypertension of the Newborn

Peterfreund, Robert  
Massachusetts General Hospital  
1990  
RSG  
Molecular Regulatory Mechanisms of Dopamine-2 Receptor Gene Expression

Silverstein, Jeffrey  
Icahn School of Medicine at Mount Sinai  
1990  
RSG  
Effect and Localization of Potent Inhaled Anesthetic Agents on SHT1A Receptor Function and Signal Transduction in Rat and Human Brain

Martin, Dan  
Georgia Regents University  
1990  
RSG  
Anesthesics and Neurotransmission at NMDA Receptors

Deutsch, Nicholas  
David Geffen School of Medicine at UCLA  
1990  
RSG  
Modulation of the ATP-Sensitive K+ Channel During Metabolic Inhibition in Isolated Cardiac Myocytes

Fackler, James  
Boston Children's Hospital  
1990  
RSG  
Brain Energetics in a Newborn Piglet Model of Cardiopulmonary Bypass

Yang, Jay  
University of Maryland School of Medicine  
1990  
NIA  
A Quantal Analysis Study of the Mechanism of General Anesthetics Depression of Central Excitatory Synapses

Giffard, Rona  
Stanford University School of Medicine  
1990  
NIA  
The Effects of Ketamine, Thiopental and Propofol on Neuronal Injury In Vitro

Temp, John  
David Geffen School of Medicine at UCLA  
1990  
FLW  
The Role of GABA Pathways in the Ventilatory Response to Hypoxia, A Study Using Pharmacological Agents in Humans

Gerold, Kevin  
University of Maryland School of Medicine  
1990  
EDUC  
Computer Based Instruction in Anesthesiology

Kharasch, Evan  
University of Washington  
1990  
NIA  
Human Alfentanil Metabolism and Inhibition by Dexmedetomidine

Hastings, Randolph  
University of California, San Francisco  
1990  
NIA  
Mechanisms of Protein Clearance from the Air Spaces of the Lung

Jaffe, Richard  
Stanford University School of Medicine  
1990  
NIA  
Nociceptive Processing in the Spinal Cord:  An Electrophysiological Model

Warner, David  
Mayo Clinic Rochester  
1990  
NIA  
Anesthesia and the Respiratory Muscles

Kulkarni, Rama  
University of Massachusetts Medical School  
1990  
RSG  
Molecular Mechanisms of General Anesthetic Action on Cloned Potassium Channels Expressed in Xenopus Oocytes

Rinder, Christine  
Yale University School of Medicine  
1989  
RSG  
Changes in Platelet Membrane Receptors During Cardiopulmonary Bypass

Rimar, Stephen  
Yale University School of Medicine  
1989  
RSG  
The Effects of General Anesthesia on Endothelin-Induced Coronary Vasoconstriction
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Year</th>
<th>Type</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talke, Pekka</td>
<td>University of Texas Medical Branch at Galveston</td>
<td>1989</td>
<td>RSG</td>
<td>Effect of Peep on Lung Lymph Flow and Extravascular Lung Water in Smoke Inhalation Injury</td>
</tr>
<tr>
<td>Williams, John</td>
<td>University of Texas Health Sciences Center, Hou</td>
<td>1989</td>
<td>RSG</td>
<td>Assessment of Regional Ventricular Function in Patients Undergoing Cardiac Surgery</td>
</tr>
<tr>
<td>Kurtz, Charles</td>
<td>University of Pennsylvania Medical Center</td>
<td>1989</td>
<td>RSG</td>
<td>Cerebral Microvascular Mechanisms of Pentobarbital in the Piglet</td>
</tr>
<tr>
<td>Oliver-Pathak, Barbara</td>
<td>University of Nebraska Medical Center</td>
<td>1989</td>
<td>RSG</td>
<td>Protective Effect of Volatile Anesthetic on Hepatocellular Energy Status During Ischemia</td>
</tr>
<tr>
<td>Heard, Stephen</td>
<td>University of Massachusetts Medical School</td>
<td>1989</td>
<td>RSG</td>
<td>Tumor Necrosis Factor as a Cause of the Myocardial Depression in Sepsis: Role of Secondary Lipid Mediators</td>
</tr>
<tr>
<td>Maktabi, Mazen</td>
<td>University of Iowa Hospital and Clinics</td>
<td>1989</td>
<td>RSG</td>
<td>Effect of Halothane on the Choroidal Plexus</td>
</tr>
<tr>
<td>Hindman, Bradley</td>
<td>University of Iowa Hospital and Clinics</td>
<td>1989</td>
<td>RSG</td>
<td>Effect of Cardiopulmonary Bypass Upon Cerebral Blood Flow and Metabolism</td>
</tr>
<tr>
<td>Dull, David</td>
<td>University of Iowa Hospital and Clinics</td>
<td>1989</td>
<td>RSG</td>
<td>Determination of Regional Blood Flow Produced by Cardiopulmonary Resuscitation in Pigs During Spinal Anesthesia</td>
</tr>
<tr>
<td>Merrell, W.</td>
<td>University of Florida Medical Center</td>
<td>1989</td>
<td>RSG</td>
<td>Enhancement of the Pharmacologic Effects of Nondopolarizing Muscle Relaxants by Adenosine</td>
</tr>
<tr>
<td>Layon, Abraham</td>
<td>University of Florida Medical Center</td>
<td>1989</td>
<td>RSG</td>
<td>The Effects of Anesthesia on Global and Discrete Immune Function and Outcome in a Healthy Mouse Model - Phase I</td>
</tr>
<tr>
<td>Foss, Joseph</td>
<td>University of Chicago</td>
<td>1989</td>
<td>RSG</td>
<td>Examination of Peripheral Opioid Receptor Activity</td>
</tr>
<tr>
<td>Brian, Johnny</td>
<td>University of Arkansas</td>
<td>1989</td>
<td>RSG</td>
<td>Effects of Halothane and Isoflurane on In Vitro Responses of Canine Cerebral Arteries</td>
</tr>
<tr>
<td>Sun, Lena</td>
<td>New York-Presbyterian Hospital (Columbia)</td>
<td>1989</td>
<td>RSG</td>
<td>Sympathetic Neural Modulation of Cardiac Autonomic Responsiveness</td>
</tr>
<tr>
<td>Smiley, Richard</td>
<td>New York-Presbyterian Hospital (Columbia)</td>
<td>1989</td>
<td>RSG</td>
<td>Perioperative Changes in the Beta-Adrenergic Receptor/Adenylate Cyclase System of Human Lymphocytes</td>
</tr>
<tr>
<td>Polaner, David</td>
<td>Massachusetts General Hospital</td>
<td>1989</td>
<td>RSG</td>
<td>Augmentation of Regional Diaphragmatic Contraction by Epidural Anesthesia After Thoracic Surgery in the Awake Sheep</td>
</tr>
<tr>
<td>de Armenti, Alberto</td>
<td>Massachusetts General Hospital</td>
<td>1989</td>
<td>RSG</td>
<td>Mechanisms of Action of Volatile Anesthetics at the Acetylcholine Receptor</td>
</tr>
<tr>
<td>Levitt, Roy</td>
<td>Johns Hopkins University</td>
<td>1989</td>
<td>RSG</td>
<td>Airway Hyperreactivity: Genetic Mechanisms</td>
</tr>
<tr>
<td>Eleff, Scott</td>
<td>Johns Hopkins University</td>
<td>1989</td>
<td>RSG</td>
<td>Real Time NMR of Brain pH and Bioenergetics During CPR: Effects of Carbocarbonate and Carbicarb Therapy</td>
</tr>
<tr>
<td>Chung, Ok Yung</td>
<td>Johns Hopkins University</td>
<td>1989</td>
<td>RSG</td>
<td>The Cardiodepressive and Cardioprotective Effects of Volatile Anesthetics on Intact Heart Myocyte in the Setting of Acidosis and Hypoxia</td>
</tr>
<tr>
<td>Introna, Robert</td>
<td>Georgia Regents University</td>
<td>1989</td>
<td>RSG</td>
<td>The Effects of Opioid Narcotics on 5-Hydroxytryptamine1A Receptor Mechanisms in Membranes from Rat Brain</td>
</tr>
<tr>
<td>Schwinn, Debra</td>
<td>Duke University School of Medicine</td>
<td>1989</td>
<td>FLW</td>
<td>Biochemical and Pharmacologic Characterization of a New Alpha Adrenergic Receptor Subtype</td>
</tr>
<tr>
<td>Yang, Jay</td>
<td>Washington University School of Medicine</td>
<td>1989</td>
<td>FLW</td>
<td>The Effect of Volatile General Anesthetics on Excitatory Amino Acid Receptors and Hypoxic Neuronal Death</td>
</tr>
<tr>
<td>Alpha, Sigma</td>
<td>University of Washington</td>
<td>1989</td>
<td>FLW</td>
<td>Transmembrane Ion Channels Stabilized Within Polymerized Bilayers as a Model for Biosensors</td>
</tr>
<tr>
<td>Pearl, Ronald</td>
<td>Stanford University School of Medicine</td>
<td>1989</td>
<td>YIA</td>
<td>Estimation of Pulmonary Capillary Permeability in the Sheep</td>
</tr>
<tr>
<td>Hogan, Kirk</td>
<td>University of Wisconsin, Madison</td>
<td>1989</td>
<td>NIA</td>
<td>Malignant Hyperthermia DNA Linkage Analysis</td>
</tr>
<tr>
<td>Chen, Linda</td>
<td>University of Pennsylvania Medical Center</td>
<td>1989</td>
<td>NIA</td>
<td>The Influence of Almitrine Bismesylate on the Interaction Between Peripheral Chemoreceptors and Hypoxic Pulmonary Vasoconstriction</td>
</tr>
<tr>
<td>Chabal, Charles</td>
<td>University of Washington</td>
<td>1988</td>
<td>RSG</td>
<td>Tourniquet Induced Pain: Evaluation of Neurophysiology and Potential Treatments</td>
</tr>
<tr>
<td>Murray, Thomas</td>
<td>University of Pennsylvania Medical Center</td>
<td>1988</td>
<td>RSG</td>
<td>Effects of Inhalational Anesthetics on Isolated Pulmonary Vascular Smooth Muscle Cell Contractility Under Normoxic and Hypoxic Conditions</td>
</tr>
<tr>
<td>Murray, David</td>
<td>University of Iowa Hospital and Clinics</td>
<td>1988</td>
<td>RSG</td>
<td>Cardiovascular Effects of Halothane and Isoflurane in the Neonate, Infant, and Small Child</td>
</tr>
<tr>
<td>Roth, Steven</td>
<td>University of Chicago</td>
<td>1988</td>
<td>RSG</td>
<td>The Effects of General Anesthesia on Retinal and Choroidal Blood Flow</td>
</tr>
<tr>
<td>Breer, Peter</td>
<td>University of Chicago</td>
<td>1988</td>
<td>RSG</td>
<td>Changes in End-Tidal CO2 During Changes in Cardiac Output</td>
</tr>
<tr>
<td>Drasner, Kenneth</td>
<td>University of California, San Francisco</td>
<td>1988</td>
<td>RSG</td>
<td>The Effects of Inhaled Anesthetics on Pain Processing</td>
</tr>
<tr>
<td>Partridge, Brian</td>
<td>University of California, San Diego</td>
<td>1988</td>
<td>RSG</td>
<td>The Effects of Local Anesthetic Agents on Endoneurial Blood Flow</td>
</tr>
<tr>
<td>Benthusyen, James</td>
<td>University of California, Davis</td>
<td>1988</td>
<td>RSG</td>
<td>Modeling of Alfentanil Anesthesia in Different Species</td>
</tr>
<tr>
<td>Vitkin, Stephen</td>
<td>State University of New York, Stony Brook</td>
<td>1988</td>
<td>RSG</td>
<td>The Effects of Inhalational Anesthetics on Pulmonary Clearance</td>
</tr>
<tr>
<td>Shafer, Steven</td>
<td>Stanford University School of Medicine</td>
<td>1988</td>
<td>RSG</td>
<td>The EEG as a Predictor of Hemodynamic Response in Patients Receiving Alfentanil by Computer Controlled Infusion</td>
</tr>
<tr>
<td>Lunn, Jeffrey</td>
<td>Mayo Clinic Rochester</td>
<td>1988</td>
<td>RSG</td>
<td>Peripheral Adrenergic Alterations Induced by E. Coli Endotoxin</td>
</tr>
<tr>
<td>Hurford, William</td>
<td>Massachusetts General Hospital</td>
<td>1988</td>
<td>RSG</td>
<td>Myocardial Ischemia During the Weaning of Mechanical Ventilator-Dependent Patients: Diagnosis and Pathophysiology</td>
</tr>
<tr>
<td>Gore, Ronald</td>
<td>Massachusetts General Hospital</td>
<td>1988</td>
<td>RSG</td>
<td>The Effect of Varying Lung Volume on Segmental Vascular Resistance and Compliance in the Liquid Filled and Newly Ventilated Fetal Lung</td>
</tr>
<tr>
<td>Maxson Bennie, Ruth</td>
<td>Indiana University School of Medicine</td>
<td>1988</td>
<td>RSG</td>
<td>Long-Term Effects of Neonatal Hypoxia on Rat Pulmonary Arterial Smooth Muscle</td>
</tr>
<tr>
<td>Leone, Bruce</td>
<td>Duke University School of Medicine</td>
<td>1988</td>
<td>RSG</td>
<td>Effects of Hemodilution on Regional Myocardial Function During Anesthesia</td>
</tr>
</tbody>
</table>

Approved FAER Awards

Updated 10/29/2019

Leone, Bruce

Approved FAER Awards

Updated 10/29/2019

Leone, Bruce

Approved FAER Awards

Updated 10/29/2019

Leone, Bruce
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Year</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firestone, Leonard</td>
<td>University of Pittsburgh Medical Center</td>
<td>1985</td>
<td>RSG</td>
</tr>
<tr>
<td>Cason, Brian</td>
<td>University of California, San Francisco</td>
<td>1985</td>
<td>RSG</td>
</tr>
<tr>
<td>Pearl, Ronald</td>
<td>Stanford University School of Medicine</td>
<td>1985</td>
<td>RSG</td>
</tr>
<tr>
<td>Krejcie, Tom</td>
<td>Northwestern University Feinberg School of Med</td>
<td>1985</td>
<td>RSG</td>
</tr>
<tr>
<td>Wessel, David</td>
<td>Harvard Medical School</td>
<td>1985</td>
<td>RSG</td>
</tr>
<tr>
<td>Warner, David</td>
<td>Duke University School of Medicine</td>
<td>1985</td>
<td>RSG</td>
</tr>
<tr>
<td>Schreiner, Mark</td>
<td>Children's Hospital of Philadelphia</td>
<td>1985</td>
<td>RSG</td>
</tr>
<tr>
<td>Bollen, Bruce</td>
<td>University of Iowa Hospital and Clinics</td>
<td>1985</td>
<td>FLW</td>
</tr>
<tr>
<td>Litt, Lawrence</td>
<td>University of California, San Francisco</td>
<td>1984</td>
<td>NIA</td>
</tr>
<tr>
<td>Caplan, Robert</td>
<td>Virginia Mason Medical Center</td>
<td>1984</td>
<td>RSG</td>
</tr>
<tr>
<td>Bowdle, Thomas</td>
<td>University of Washington</td>
<td>1984</td>
<td>RSG</td>
</tr>
<tr>
<td>Chen, Linda</td>
<td>University of Pennsylvania Medical Center</td>
<td>1984</td>
<td>RSG</td>
</tr>
<tr>
<td>Scott, James</td>
<td>University of New Mexico School of Medicine</td>
<td>1984</td>
<td>RSG</td>
</tr>
<tr>
<td>Bokesch, Paula</td>
<td>University of Massachusetts Medical School</td>
<td>1984</td>
<td>RSG</td>
</tr>
<tr>
<td>Brett, Claire</td>
<td>University of California, San Francisco</td>
<td>1984</td>
<td>RSG</td>
</tr>
<tr>
<td>Scheller, Mark</td>
<td>University of California, San Diego</td>
<td>1984</td>
<td>RSG</td>
</tr>
<tr>
<td>Brett, Roger</td>
<td>State University of New York, Stony Brook</td>
<td>1984</td>
<td>RSG</td>
</tr>
<tr>
<td>Latson, Terry</td>
<td>New York-Presbyterian Hospital (Columbia)</td>
<td>1984</td>
<td>RSG</td>
</tr>
<tr>
<td>Krane, Elliot</td>
<td>Children's Hospital and Regional Medical Center,</td>
<td>1984</td>
<td>RSG</td>
</tr>
<tr>
<td>Kressin, Nancy</td>
<td>University of Wisconsin, Madison</td>
<td>1984</td>
<td>FLW</td>
</tr>
<tr>
<td>Zornow, Mark</td>
<td>University of California, San Diego</td>
<td>1984</td>
<td>FLW</td>
</tr>
<tr>
<td>Drummond, John</td>
<td>University of California, San Diego</td>
<td>1983</td>
<td>NIA</td>
</tr>
<tr>
<td>Bishop, Michael</td>
<td>University of Washington</td>
<td>1983</td>
<td>NIA</td>
</tr>
<tr>
<td>Lynn, Anne</td>
<td>University of Washington</td>
<td>1983</td>
<td>RSG</td>
</tr>
<tr>
<td>Young, Marie</td>
<td>University of Pennsylvania Medical Center</td>
<td>1983</td>
<td>RSG</td>
</tr>
<tr>
<td>Alexander, Christian</td>
<td>University of Pennsylvania Medical Center</td>
<td>1983</td>
<td>RSG</td>
</tr>
<tr>
<td>Sybert, Peter</td>
<td>Santa Rosa Memorial Hospital</td>
<td>1983</td>
<td>RSG</td>
</tr>
<tr>
<td>Bell, Larry</td>
<td>Providence Everett Medical Center</td>
<td>1983</td>
<td>RSG</td>
</tr>
<tr>
<td>Davis, Richard</td>
<td>Oregon Health and Science University</td>
<td>1983</td>
<td>RSG</td>
</tr>
<tr>
<td>Yaster, Myron</td>
<td>Johns Hopkins University</td>
<td>1983</td>
<td>RSG</td>
</tr>
<tr>
<td>Moos, Richard</td>
<td>Duke University School of Medicine</td>
<td>1983</td>
<td>RSG</td>
</tr>
<tr>
<td>Gallagher, John</td>
<td>Dartmouth-Hitchcock Medical Center</td>
<td>1983</td>
<td>RSG</td>
</tr>
<tr>
<td>Bokesch, Paula</td>
<td>Brigham and Women's Hospital</td>
<td>1983</td>
<td>FLW</td>
</tr>
<tr>
<td>Prutow, Richard</td>
<td>University of Washington</td>
<td>1982</td>
<td>RSG</td>
</tr>
<tr>
<td>Chadwick, Heathcliff</td>
<td>University of Washington</td>
<td>1982</td>
<td>RSG</td>
</tr>
<tr>
<td>Artru, Alan</td>
<td>University of Washington</td>
<td>1982</td>
<td>RSG</td>
</tr>
<tr>
<td>Lynch, Carl</td>
<td>University of Virginia</td>
<td>1982</td>
<td>RSG</td>
</tr>
<tr>
<td>White, Paul</td>
<td>University of Texas Medical Branch at Galveston</td>
<td>1982</td>
<td>RSG</td>
</tr>
<tr>
<td>Hantrier, Charles</td>
<td>University of Michigan</td>
<td>1982</td>
<td>RSG</td>
</tr>
<tr>
<td>Todd, Michael</td>
<td>University of Iowa Hospital and Clinics</td>
<td>1982</td>
<td>RSG</td>
</tr>
<tr>
<td>Ponganis, Paul</td>
<td>Sharp Memorial Hospital</td>
<td>1982</td>
<td>RSG</td>
</tr>
<tr>
<td>Fletcher, Peter</td>
<td>Delaware County Memorial Hospital</td>
<td>1982</td>
<td>RSG</td>
</tr>
<tr>
<td>Legler, Dwight</td>
<td>Mayo Clinic Rochester</td>
<td>1982</td>
<td>FLW</td>
</tr>
<tr>
<td>Cory, Phillip</td>
<td>Mayo Clinic Rochester</td>
<td>1981</td>
<td>RSG</td>
</tr>
<tr>
<td>Freund, Peter</td>
<td>University of Washington</td>
<td>1981</td>
<td>RSG</td>
</tr>
</tbody>
</table>

**Notes:**
- RSG: Research Scientist Grant
- FLW: Faculty Scientist Award
- NIA: National Institute of Aging Award

**Projects:**
- Effects of Halothane and Isoflurane on Coronary Arterial Tone and Influence of Nifedipine on their Action
- A Study of Cerebral Bioenergetics in the Rat During Isoflurane and Halothane Anesthesia Using In Vivo 31P Nuclear Magnetic Resonance Spectroscopy
- Curare-Dopaminergic Antagonism and Effects on Ventilation
- Brain Edema Formation in Open and Closed Cranium Cats Following Normovolemic Hemodilution with Normal Saline of Hespan
- A Comparison of the Cerebrovascular Effects of Halothane and Isoflurane on Autoregulation, Carbon Dioxide Responsiveness and Blood Brain Barrier Integrity
- The Pulmonary Arterial Circulation in the Adult Respiratory Distress Syndrome
- Temperature Modulation of Conductive Blocks by Local Anesthetics
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Year</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bashein, Gerard</td>
<td>University of Washington</td>
<td>1981</td>
<td>RSG</td>
</tr>
<tr>
<td>Tirer, Samuel</td>
<td>University of Pennsylvania Medical Center</td>
<td>1981</td>
<td>RSG</td>
</tr>
<tr>
<td>Otto, Charles</td>
<td>University of Arizona Health Sciences</td>
<td>1981</td>
<td>RSG</td>
</tr>
<tr>
<td>Cote, Charles</td>
<td>Ann and Robert H. Lurie Children's Hospital of Ch</td>
<td>1981</td>
<td>RSG</td>
</tr>
<tr>
<td>Kroll, Donald</td>
<td>University of Michigan</td>
<td>1981</td>
<td>FLW</td>
</tr>
<tr>
<td>Lewis, Robert</td>
<td></td>
<td>1980</td>
<td>RSG</td>
</tr>
<tr>
<td>Kraynack, Barry</td>
<td></td>
<td>1980</td>
<td>RSG</td>
</tr>
<tr>
<td>Belani, Kumar</td>
<td>University of Minnesota</td>
<td>1980</td>
<td>RSG</td>
</tr>
<tr>
<td>Knight, Paul</td>
<td>University of Michigan</td>
<td>1980</td>
<td>RSG</td>
</tr>
<tr>
<td>Ford, Douglas</td>
<td>University of Cincinnati Medical Center</td>
<td>1980</td>
<td>RSG</td>
</tr>
<tr>
<td>Stanski, Donald</td>
<td>Stanford University School of Medicine</td>
<td>1980</td>
<td>RSG</td>
</tr>
<tr>
<td>Horrow, Jay</td>
<td>Drexel University College of Medicine</td>
<td>1980</td>
<td>RSG</td>
</tr>
<tr>
<td>Gelman, Simon</td>
<td>Brigham and Women's Hospital</td>
<td>1980</td>
<td>RSG</td>
</tr>
<tr>
<td>Hargrove, John</td>
<td></td>
<td>1979</td>
<td>RSG</td>
</tr>
<tr>
<td>Colley, Peter</td>
<td>University of Washington</td>
<td>1979</td>
<td>RSG</td>
</tr>
<tr>
<td>Bedford, Robert</td>
<td>University of Virginia</td>
<td>1979</td>
<td>RSG</td>
</tr>
<tr>
<td>Vogelhut, Mark</td>
<td>Tallahassee Memorial Regional Medical Center</td>
<td>1979</td>
<td>RSG</td>
</tr>
<tr>
<td>Bernstein, Keith</td>
<td>Janssen Pharmaceutica</td>
<td>1979</td>
<td>RSG</td>
</tr>
<tr>
<td>Orkin, Fredrick</td>
<td>Dartmouth-Hitchcock Medical Center</td>
<td>1979</td>
<td>RSG</td>
</tr>
<tr>
<td>Orr, Rosemary</td>
<td>Children's Hospital and Regional Medical Center</td>
<td>1979</td>
<td>RSG</td>
</tr>
<tr>
<td>Edmonds, Albert</td>
<td>Cabrini Hospitals</td>
<td>1979</td>
<td>RSG</td>
</tr>
<tr>
<td>Jawalekar, Shreeniwas</td>
<td></td>
<td>1978</td>
<td>RSG</td>
</tr>
<tr>
<td>Kreul, John</td>
<td>University of Wisconsin, Madison</td>
<td>1978</td>
<td>RSG</td>
</tr>
<tr>
<td>Roizen, Michael</td>
<td>University of Chicago</td>
<td>1978</td>
<td>RSG</td>
</tr>
<tr>
<td>Moss, Jonathan</td>
<td>University of Chicago</td>
<td>1978</td>
<td>RSG</td>
</tr>
<tr>
<td>Rorie, Duane</td>
<td>Mayo Clinic Rochester</td>
<td>1978</td>
<td>RSG</td>
</tr>
<tr>
<td>Miller, Elliott</td>
<td>Massachusetts General Hospital</td>
<td>1978</td>
<td>RSG</td>
</tr>
<tr>
<td>Crumrine, Robert</td>
<td>Georgia Regents University</td>
<td>1978</td>
<td>RSG</td>
</tr>
<tr>
<td>Reves, Jerry</td>
<td>Duke University School of Medicine</td>
<td>1978</td>
<td>RSG</td>
</tr>
<tr>
<td>Conklin, Kenneth</td>
<td>David Geffen School of Medicine at UCLA</td>
<td>1978</td>
<td>RSG</td>
</tr>
<tr>
<td>Gal, Thomas</td>
<td>University of Virginia</td>
<td>1977</td>
<td>RSG</td>
</tr>
<tr>
<td>Grundy, Betty Lou</td>
<td>University of Florida Medical Center</td>
<td>1977</td>
<td>RSG</td>
</tr>
<tr>
<td>Atlee, John</td>
<td>Medical College of Wisconsin</td>
<td>1977</td>
<td>RSG</td>
</tr>
<tr>
<td>Miller, Edward</td>
<td>Johns Hopkins University</td>
<td>1977</td>
<td>RSG</td>
</tr>
<tr>
<td>Iwamoto, Kumiko</td>
<td></td>
<td>1976</td>
<td>RSG</td>
</tr>
<tr>
<td>Tonnesen, Alan</td>
<td>University of Texas Health Sciences Center, Hous</td>
<td>1976</td>
<td>RSG</td>
</tr>
<tr>
<td>Becker, Karl</td>
<td>University of Kansas School of Medicine, Wichita</td>
<td>1976</td>
<td>RSG</td>
</tr>
<tr>
<td>Hirshman, Carol</td>
<td>Johns Hopkins University</td>
<td>1976</td>
<td>RSG</td>
</tr>
<tr>
<td>Nahrwold, Michael</td>
<td>Indiana University School of Medicine</td>
<td>1976</td>
<td>RSG</td>
</tr>
<tr>
<td>Dueck, Ronald</td>
<td>University of California, San Diego</td>
<td>1975</td>
<td>RSG</td>
</tr>
<tr>
<td>O'Brien, Lois</td>
<td>St. Johns Hospital Health Center</td>
<td>1975</td>
<td>RSG</td>
</tr>
<tr>
<td>Kaplan, Joel</td>
<td>Icahn School of Medicine at Mount Sinai</td>
<td>1975</td>
<td>RSG</td>
</tr>
<tr>
<td>Forbes, Atholl</td>
<td>California Pacific Medical Center</td>
<td>1975</td>
<td>RSG</td>
</tr>
<tr>
<td>Wiklund, Richard</td>
<td>University of Virginia</td>
<td>1974</td>
<td>RSG</td>
</tr>
<tr>
<td>Benumof, Jonathan</td>
<td>University of California, San Diego</td>
<td>1974</td>
<td>RSG</td>
</tr>
<tr>
<td>Muldoon Nolan, Sheila</td>
<td>National Capital Consortium, USUHS</td>
<td>1974</td>
<td>RSG</td>
</tr>
<tr>
<td>Levitt, Jerry</td>
<td>Drexel University College of Medicine</td>
<td>1974</td>
<td>RSG</td>
</tr>
<tr>
<td>Name</td>
<td>Institution</td>
<td>Year</td>
<td>Type</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Ross, William</td>
<td>University of Virginia</td>
<td>1973</td>
<td>RSG</td>
</tr>
<tr>
<td>Kane, Peter</td>
<td>State University of New York, Upstate Medical U.</td>
<td>1973</td>
<td>RSG</td>
</tr>
<tr>
<td>Filner, Bernard</td>
<td>Shady Grove Adventist Hospital</td>
<td>1973</td>
<td>RSG</td>
</tr>
<tr>
<td>Redderson, Carl</td>
<td>Case Western Reserve</td>
<td>1973</td>
<td>RSG</td>
</tr>
</tbody>
</table>