<table>
<thead>
<tr>
<th>Author</th>
<th>Institution</th>
<th>Year</th>
<th>Grant Type</th>
<th>Title</th>
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<tr>
<td>Schonberger, Robert</td>
<td>Yale University</td>
<td>2013</td>
<td>MRTG</td>
<td>Novel Mechanism of Glutamine Formation From Branched-Chain Amino Acids in Brain-Areas of Atrial Glutamine Synthetase Deficiency</td>
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<tr>
<td>Tawfik, Vivianne</td>
<td>Stanford University Medical Center</td>
<td>2013</td>
<td>REG</td>
<td>An imaging approach to anesthesia and neurodevelopment</td>
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<tr>
<td>Martin, Yvette</td>
<td>Mayo Clinic</td>
<td>2013</td>
<td>MRTG</td>
<td>Improved Access to Care For the Pediatric Dental General Anesthesia Population</td>
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<tr>
<td>Lorinc, Amanda</td>
<td>Vanderbilt University Medical Center</td>
<td>2013</td>
<td>REG</td>
<td>Validation of an Objective, Practical and Real-Time Assessment of Regional Anesthesia Procedural Skills</td>
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<td>Malty, Robinia</td>
<td>Beth Israel Deaconess Medical Center</td>
<td>2013</td>
<td>REG</td>
<td>Fundamentals of Ultrasound Course with Verification of Proficiency</td>
</tr>
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<td>Patwardhan, Armita</td>
<td>University of Arizona</td>
<td>2013</td>
<td>MRTG</td>
<td>TRP5 Watkins antagonist for the treatment of intrapulmonary hypothermia and postoperative pain</td>
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<td>Qazi, Muhammad</td>
<td>University of North Carolina at Chapel Hill</td>
<td>2013</td>
<td>REG</td>
<td>Anesthesiology Resident Skill Development: Assessing Clinical Practice in Anesthesia: OpioidIA</td>
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Kinsky, Michael University of Texas Medical Branch-Galveston 2006 MRTG Pharmacologic Modiﬁcation of Fluid Therapy
Kiss, Martin Emory University School of Medicine 2006 MRTG Hematocrit Cells for the Treatment of Neutropenic Pain
Lighthall, Geoffrey Stanford University Medical Center 2006 REG Evaluating the Impact of Educational Programs on the Management of Septic Shock Using Human Patient Simulation
Saadat, Haleh Yale University 2006 REG Implementation and Testing of a Wellness Program Conducted with Anesthesiology Residents at Yale
Sail, Jeffrey University of California, San-Francisco 2006 MRTG Notable Anesthetic Toxicity in Hippocampal-Dependent Progenitor Cells
Safi, Ken Massachusetts General Hospital 2006 MRTG Modulation of 5-HT1A Receptor Kinetics by Inhalated Anesthetics
Williams, James Massachusetts General Hospital 2006 MRTG Cortical – hippocampal Interactions During Propofol Administration
Yamashita, Samuel Children's Hospital Los Angeles 2006 REG Examination of a Model Curriculum for Teaching the ACANE Competencies of Professionalism and Interpersonal and Communication Skills in a Pediatric Anesthesiology Fellowship
Franc, David University of Texas Southwestern Medical Center 2005 MRTG Eliciting the Mechanistic Basis of Acetaminol's Action in Diclofenac of Membrane Eicosanoids: Studies in a Mouse Model of Paradoxical
Ellif, Brian University of Florida Medical Center 2005 MRTG Periurethral Local Anesthetic Inﬁltration Following Total Knee and Hip Replacement
Kanevsky, Max Stanford University Medical Center 2005 MRTG Anesthetic Preconditioning in BE Channel Knockout Mice
McDermott, Matthew Medical University of South Carolina 2005 REG Modiﬁcation of Proteolytic Pathways by Aprotinin: Myocardial Protection in Ischemia-Reperfusion
Murray, David Washington University School of Medicine 2005 REG Acute Pain Skills in Anesthesia Practice: Simulation-Based Performance Assessment
Niemeyer, Claus University of California, San-Francisco 2005 MRTG The Effect of Mild Hyperthermia on Hepatic Cellular Metabolism and Transcription Factor Expression in Obese Rats During Ischemia-Reperfusion
Pandha-Ampoe, Frank 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 Delineum Rates, Efﬁcacy of Sedation and Analgesia, and Clinical Outcomes Including Durability
Rollins, Mark University of California, San-Francisco 2005 MRTG A Comparison of Tissue Oxygen Levels in Multiple Organs During Intraoperative Hemolysis with Right and Left-shifted Hemoglobin-Based Blood Substitutes
Siles, 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
Stratman, Greg University of California, San-Francisco 2005 MRTG The Role of Neurogenesis in the Young and Old Brain in Mediating Cognitive Outcome Following Anesthesia
Benzinger, George Washington University School of Medicine 2004 MRTG Structural Correlates Underlying Beta Subunit-Mediated Inactivation in Large-Conduction, Calcium-Activated Potassium Channels
Brady, Ken Johns Hopkins University 2004 RFG The Role of Cytotoxic Phospholipid A2 in a Stroke Pathogenesis
Effer, Allan Stanford University Medical Center 2004 REG The Use of Discussion Questions to Foster Critical Thinking Skills in Human Patient Simulator Education
Faberowski, Lisa University of Colorado 2004 MRTG The Effect of Anesthetics on the Developing Brain: II-A Function of Age
Kocica, John Johns Hopkins University 2004 RSG Noninvasive Determination of Hemodynamics in a Center Model of Acute Lung Injury
Karan, Suzanne University of Rochester-Strong Memorial Hospital 2004 RSG Validation of a Method to Predict Sedation Induced Upper Airway Obstruction
Kaynar, A. Murat University of Pittsburgh Medical Center 2004 RSG The Role of Matrix Metalloproteinases and Neutrophil Elastase in the Pathophysiology of Ventilator Induced Lung Injury
Kelz, Max University of Pennsylvania Medical Center 2004 RTG Hypoxic Neurons and Hypnosis: A Novel Site for Inhibited Anesthetic Action
Lombard, Frederick Duke University School of Medicine 2004 RSG The Role of Platelet Derived Growth Factor in the UOSVymand Following Subarachnoid Hemorrhage in the Rabbit
Pablitz, Christina Mayo Clinic Rochester 2004 RSG Regulation of Sarcolemmal Reticulum Ca2+ Stores in Artery Smooth Muscle: The Role of Cyclic Nucleotides
Pan-Smith, May Harvard Medical School 2004 REG Teaching Residents to Question and Challenge: An Experiential Approach
Pryor, Rane Weill Medical College of Cornell University 2004 RSG Resistance of Negative Emotional Memory to GABA Drug Effect
Randall, Gail Northwestern University Feinberg School of Medicine 2004 REG Effectiveness of a Difficult Airway Program for Intra- and a High Fidelity Human Patient Simulation for Departmental Training
Scully, Wolfgang University of Colorado 2004 RTG HMG-CoA reductase inhibitors and pulmonary hypotension
Telch-Cymbor, Susan Cleveland Clinic 2004 REG Does Problem-Based Learning Improve Performance on Year One Anesthesiology Residents on Oral Practice Examinations?
Xu, Zheng University of Chicago 2004 RSG Molecular Mechanisms for Cardioprotective Secretion by Anesthetics
Alka, Dean University of Louisville 2003 RTG The Role of Hypocapnia in Preempting of Brain
Campagna, Jason 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
Chen, Eduardo Mayo Clinic Rochester 2003 RTG Role of the Accessory Protein FB12 in the Development of Malignant Hyperthermia Phenotype
Cotten, Joseph Massachusetts General Hospital 2003 RTG PMMA and Vascular Anesthesia Regulation of Tandem Pore Platinum Channels
Cochrane, Giovanni Children's Hospital of Philadelphia 2003 RTG Neuropathological Edge of Epitope-AB-514 Mediated Analgesia
Faradhi, Omid Brigham and Women's Hospital 2003 RFG Nicotine Acid Ligands as Coactivator Molecules in Targeted Therapy
Gerhardt, Mark Ohio State University 2003 RSG Acute Beta-Adrenergic Receptor Desensitization during Urethral Ventricular Assist Device Support in an Animal Model of Ischemic Heart Failure
Grimas, David University of Rochester-Strong Memorial Hospital 2003 REG Designing a Virtual Reality Airway Simulator and Testing It on Residents
Horlocker, Teresa Mayo Clinic Rochester 2003 REG Virtual Anatomy of Regional Anesthesia: A Pilot Study Utilizing the PointFoil Block
Iba, Jiro Harvard Medical School 2003 RTG Pulmonary Barre/Function Hypoxia: Modulation by the Lost-f-nucleotidease (2007)
Lee, Cheng-Han University of California, San Francisco 2003 RSG Role of Matrix Metalloproteinase in Central Angiogenesis
Masters, Sean Stanford University Medical Center 2003 RTG Imaging Neural Systems in Complex Regional Pain Syndrome
Martin, David Mayo Clinic Rochester 2003 RSG Advancement of Painful Neuropathic Pain in a Mouse Model of Postherpetic Neuritis
Moretti, Eugene Duke University School of Medicine 2003 RSG Genetic Polymorphisms and Their Relationship to Seizus in the Surgical Patient
Musch, Gustavo Massachusetts General Hospital 2003 RTG Regional Effects of Alveolar Recruiting Strategies on Gas Exchange and Cellular Inflammation in Acute Lung Injury
Sun, Jian-Zhong Thomas Jefferson University-Jefferson Medical College of Philadelphia 2003 RSG Role of Inducible Nitric Oxide in IR-adrenergic: Stimulation Induced Myocardial Ischemic Injury in the Aging Heart
Vegadars, Srinivasan Medical College of Wisconsin 2003 RTG Anesthetic Preconditioning: Novel Role of Cardiac Mitochondrial Ca2+Activated K+ Channels
Zhang, Li Ming University of Pittsburgh Medical Center 2003 RTG Chemical Biology of S-Nitrosyl-Albumin in Live Pulmonary Endothelial Cells
Zollo, Raymond University of Rochester-Strong Memorial Hospital 2003 REG Using Standardized Patients to Investigate Patient-Centered Preparative Communication
Abouleish, Amr University of Texas Medical Branch-Galveston 2002 REG The Impact of Longer Surgical Durations and Inefﬁcient Staffing Scheduling on the Staffing Costs of Two Academic Anesthesiology Departments
Angele, Martin Stanford University Medical Center 2002 RSG Differential Rate for Development of Acute Tolerance to Opioid Analgesia, Respiratory Depression, and Sedation
Boby, Siren Harvard Medical School 2002 RSG Gene Therapy Influences on Adverse Breathing and Thrombotic Outcomes After Coronary Artery Bypass Surgery
Breuer, Randall Duke University School of Medicine 2002 RSG Intravenous Magnesium Sulfate in Subarachnoid Hemorrhage: Analysis of the Effects of Hypomagnesaemia Upon Cerebrospinal Fluid Magnesium Concentration
Chi, Larry Stanford University Medical Center 2002 RFG Measurement of Tolerance and Hyporegulation in Pain Patients on Chronic Opioid Therapy
Jankowski, Christopher Mayo Clinic Rochester 2002 RSG Preoperative Cognitive Dysfunction and Postoperative Delirium in Elderly Orthopedic Surgical Patients
LL Yung, College Beth Israel Deaconess Medical Center 2002 RTG Myocellular Quiescence and Protein Loss – Toward a Molecular Understanding
Mueller, Rustyi University of Texas Medical Branch-Galveston 2002 RSG The Effect of Zinc Chelation on Neurobehavioral Outcome After Transient Global Cerebral Ischemia in Rats
Raphael, David University of Southern California 2002 REG A 3-Dimensional Teaching Atlas of the Brachial Plexus Using MRI Neurography
Tong, Chuanhai Wake Forest University School of Medicine 2002 RGT Viceral Pain of Uterine Cervical Distension: Role of COX
Angiotti, Timothy Stanford University Medical Center 2001 NIA-BS Genetic Manipulation of mice for the Analysis of in vivo Adrenergic Receptor Pharmacology and Physiology
Hill, Steven Duke University School of Medicine 2001 NIA-CL The Impact of Pervascular Nerve Blockade, On Pain, Inflammation And Neurocognitive Outcome Following Thoracoscopic Surgery
Karan, Suzanne University of Rochester-Strong Memorial Hospital 2001 RFG Effects of Pain and Auditory Stimulation on Opioid Induced Depression of the Hypoxic Ventilatory Response
Kra, Joseph Washington University School of Medicine 2001 REG Anesthesia Kills Assessment Program for Residents
Liu, Wei University of Michigan Medical Center 2001 RSG Estimation of the Molecular Mechanism by Which Atorvastatin (Liptor) Diminishes the Ability of Diplopoda (Physo) To Interfere with Platelet Aggregation
Li, Hong University of California, Davis 2001 NIA-BS Anesthetic Preconditioning: Effects on Na+ and Ca2+ in Newborn Hearts During Ischemia and Reperfusion
Rine, Douglas Wake Forest University School of Medicine 2001 RSG The Role of Development in Response to Acute and Chronic Pain
Sarantopoulos, Constantine Medical College of Wisconsin 2001 RSG Glucocorticoid Effects on Calcium Currents and Excitability In Injured Sensory Neurons
Past FAER Award Recipients
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Sneerm, Gautam Duke University School of Medicine 2001 RSG A Pilot Investigation to Assess Therapeutic Efficacy of DOAVP in Modulating Shear-Mediated Platelet Dysfunction after Cardiac Surgery
Tanner, Jonathan University of Pennsylvania Medical Center 2001 RTG High-resolution structural investigation of how membrane proteins are altered by inhaling anesthetics agents
Dalan, Friedrich Washington University School of Medicine 2000 NIA-BS Mechanisms of opioid tolerance in CNS neurons
Floyd, Thomas University of Pennsylvania Medical Center 2000 CRSG Percussion MRI and Neurologic Injury Associated with Cardiopulmonary Bypass
Groccoli, Hillary Duke University School of Medicine 2000 NIA-BS Effects of Temperature on Cognitive Impairment and Central Inflammation: Flowing Cardiopulmonary Bypass in the Rat
Leah, Ryan New York-Presbyterian Hospital (Columbia) 2000 RSG Rho G-Proteins and Airway Smooth Muscle Proposed
Mark, Patricia Weill Medical College of Cornell University 1999 RSG The Effect of Intraoperative Hypothermia on the Cerebrospinal Fluid Cytokine Response in Intraocular Aneurysm Surgery
Sandberg, Warren Massachusetts General Hospital 2000 NIA-BS Identification and Characterization of Anesthetic Binding Sites on Protein Kinase C
Sniecier, David University of Pittsburgh Medical Center 2000 RSG Driver Fatigue and Simulated Driving after Ambulatory Anesthesia
Swajani, Murali Yale University 2000 EDUC Peer Evaluation of Teaching as a Tool to Improve Teaching Skills of Clinician-Educators
Toel, Isabelle Weill Medical College of Cornell University 1999 RFG Volatile Anesthetics and Agent Efficiency at GABA receptors
Wang, Shu-Ming Yale University 2000 RSG Postoperative Nausea and Vomiting in Children: An Alternative Treatment Modality
Zuo, Xian Zhejiang University of Medicine 1999 NIA-BS Inhalational anesthesia and glutamate transmission
Chen, Wei Massachusetts General Hospital 1999 NIA Role of insulin-like Growth Factor-I in Preventing Cardiomyocyte Apoptosis
Culley, Deborah Harvard Medical School 1999 RSG Aging and Postanesthetic Cognitive Dysfunction
Donahue, Brian Vanderbilt University Medical Center 1999 RSG The Role of Genetic Polymorphisms in Cardiac Surgery Outcome
Joshi, Shailendra New York-Presbyterian Hospital (Columbia) 1999 RSG Nitrooxide Regulation of Cerebrovascular Tone
Kimmrench, J. David University of California, Davis 1999 NIA-BS Spreading Depression-Induced Preconditioning in the Brain
Kuntz, Arnold University of California, Davis 1999 RSG Does Nitric Oxide Increase the Incidence of Surgical Wound Infection and Prolong Hospitalization?
Leighton, Barbara Weill Medical College of Cornell University 1999 RSG Mechanisms of Epidual-Associated Labor Slowing
Lockhart, Ellen Duke University School of Medicine 1999 NIA Propofoluse and its Endogenous Neuroprotectant
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
Njoku, Didem Johns Hopkins University 1999 NIA Volatile Anesthetics and NALT-Induced Tolerance
Todorovic, Stijabran Washington University School of Medicine 1999 NIA Voltage-gated Cav Channels in Sensory Neurons as Targets for Anesthetic and Analgentic Agents
Worster, Bradford Johns Hopkins University 1999 NIA-BS Abnormal Vasomovility in the ob/ob Mouse
Wichmann, Paul University of Chicago 1999 RFG The Effects of Glucose on Induction of the Stress Response to Improve Outcome from Sepsis
Zoia, Roberto University of Rochester Strong Memorial Hospital 1999 RFG The effect of anisole PE-7 knockdown on neuropathic pain
Albin, Michael University of California, Irvine 1998 RSG The Role of the Amygdala in Anesthetic-Induced Amnesia
Braker, Steven Massachusetts General Hospital 1998 NIA The Role of the Cardiac Pacemaker Current, Ih, in Maintaining and Regulating the Heart Rate
Cordell, Charles Brigham and Women's Hospital 1998 NIA Reseption of Hypnic: Human Endothelial Cells Activates the Lentin Compllmant Pathway
Cuccurullo, Giovanni Children's Hospital of Philadelphia 1998 NIA-BS Inducible Nitric Oxide Synthase Activity After Hypersesia and Plasma Levels of S-Nitrosothiols in Rats Exposed to Hypersesia
Hecker, James Duke University School of Medicine 1998 NIA Transient Expression of Intracellular Proteins for Pre-Operative CNS Protection
Jeantje, Toddroteo, Vienna University of California School of Medicine 1998 NIA-BS NMDA Receptor Properties of the Anesthetic Nitrous Oxide
Leng, John University of Alabama at Birmingham 1998 NIA Carbon Dioxide- Mediated Amplification of Pulmonary Inflammation: Free Radical Interactions
McDonald, Thomas University of Wisconsin, Madison 1998 NIA Mechanisms of Analgesia in Primary Nociceptive Neurons
Martino, Constance Johns Hopkins University 1998 RFG Molecular Mechanisms of Cachexia
Meyo, Timothy University of Florida Medical Center 1998 NIA Modulation of triggered activity by intravenous anesthetics in rabbit isolated ventricular myocytes: Mechanisms and clinical implications
Schumacher, Mark University of California, San Francisco 1998 NIA The Role of Caupressors in Receptorization
Smith, Brian Stanford University Medical Center 1998 EDUC Development of a Novel Training Course on Cardiac Anesthesia
Trang, Brian University of Mississippi Medical Center 1998 RFA Spinal Opioid Receptor and the Corresponding mIPA-Regulation upon the Development of Tolerance to Intracerebral Opioids
Tung, Avery University of Chicago 1998 RSG The Effects of Deep-Nighttime Sedation on Restorative Sleep in Rats
Waters, Jonathan Cleveland Clinic 1998 RSG Models of Expert Performance in Anesthesiology
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
Bigalono, Luca Massachusetts General Hospital 1997 CRSG Phosphoesterase Blockade with Intravenous Diprydiamole during Nitric Oxide Inhalation in the Acute Respiratory Distress Syndrome: A Dose-Response Study
Clark, David University of Washington 1997 RSG Regulation of Expression of Potassium Ion Channels by Opiates
Crom, Arthur Penn State University Milton S. Hershey Medical Center 1997 CRSG Melatonin Therapy for Postoperative Sleep Disturbance and Hypothesis
Egan, Taligame University of Utah Medical Center 1997 CRSG Quantitative Pharmacometric Analysis of Hypnic and Opposite Interactions in Volunteers
Fried-Mastroshcon, Pamela New York-Presbyterian Hospital (Columbia) 1997 NIA General Anesthetic Activity in Neuronal Nicotinic Acetylcholine Receptors
Opuia, Feven University of Pittsburgh Medical Center 1997 NIA Quantitative Tests of the GABAA-Receptor Hypothesis of Volatile General Anesthetic Action using in Vivo Human Brain Imaging
Harwood, Timothy Wake Forest University School of Medicine 1997 EDUC Computer Assisted Instruction versus Traditional Lecture: Short-and Long-Term Knowledge Retention
Hunter, Keith Howard University Hospital 1997 NIA Regulation of Heme Oxygenase in Response to Acute Lung Injury and Sepsis
Lemos, Paul Brigham and Women's Hospital 1997 NIA Mechanisms of Vascular Injury Following Complete Activation
Lin, Jim University of Chicago 1997 FUL Models of Preconditioning Protection Against Ischemic Injury
Masayo, Alex Stanford University Medical Center 1997 CRSG Patient Preferences for Postoperative Outcomes
Meeker, Steven Massachusetts General Hospital 1997 RFA The flicker in Isocitone: A Proposed Model of Cardiac Cell Differentiation by Inductive Interaction
Mittenman, Scott Johns Hopkins University 1997 RSG Selective Expression of Flan Channel α-subforms on Neurons
Patterson, Andrew Stanford University Medical Center 1997 RFG The Beneficial Role of GABA-Antagonist Receptor Blocking Agents in the Treatment of Congestive Heart Failure: Examination of the Molecular Mechanics of Action
Roth, David University of California, San Diego 1997 RSG Increased Aldolase A Expression and Cardiac Function
Sisk, Karen Cleveland Clinic 1997 REG Can Interactive Instruction using Patient Simulation Improve Clinical Teaching of Anesthesiology Residents?
Wong, Gilbert Mayo Clinic Rochester 1997 NIA The Effect of Neuronal Celluus Block on Pain Relief, Quality of Life, and Surviva in Patients with Pancreatic Cancer
Baker, Keith Massachusetts General Hospital 1996 RSG Carbot Acidemias Produced by Dysfunctional Ion Channels
Bennett Guerrero, Elliott Icahn School of Medicine at Mount Sinai 1996 RSG Preoperative Serum Anti-Endostatin-Core Antibody (EndoCab) Levels and Adverse Outcome Following Liver Transplantation
Brown, Daniel Johns Hopkins University 1996 RFG Mechanisms of Cachexia
Chang, Anny University of Chicago 1996 RFG Molecular Probes to Investigate the Voltage-Gated Sodium Channel Structure
Clayman, Azriel University of Colorado 1996 NIA Regulation of Ischemia-Reperfusion Pulmonary Edema by Endothelial Cell Phospholipase
Farber, Neil Medical College of Wisconsin 1996 NIA The Role of Nitric Oxide in Modulating Volatile Anesthetic-Induced Actions on Intracerebral Microwaves
Gerhardt, Mark Duke University School of Medicine 1996 FUL Acute B-Antidromic Receptor Desensitization During Cardiopulmonary Bypass in Patients with Cardiac Valve Disease
Hecker, James University of California, Davis 1996 RSG Transient Expression of Protective Intracellular Proteins by Delivery of Nucleic Acid/Cationic Lipid Complexes
Johns, Jason University of Pennsylvania Medical Center 1996 NA Interaction of Volatile General Anesthetics and Proteins Assayed by Fluorescence and Circular Dichroism Spectroscopy
Klafe, Jerome University of Chicago 1996 EDUC The Impact of a Specialized Preoperative Teaching Videotape on Patient Outcome
Malan, Thomas University of Arizona Health Sciences 1996 REG Role of C-fos Expression in the Regulation of Neuracous Pain
Marshall, Brian University of Pennsylvania Medical Center 1996 EDUC Pulmonary Hemodynamics and Gas Exchange: A Self - Teaching Program
Papawicz, Thomas University of Virginia 1996 NIA Anesthetic Effects on Nitric Oxide Signaling in the Central Nervous System
Pierce-Palmer, Pamela University of California, San Francisco 1996 FIA Role of serotonin Receptor Subtypes in Peripheral Pain Mechanisms
Savarese, Adam Massachusetts General Hospital 1996 FIA Mechanisms of cytosolic phospholipase A2 mediated cell death and gene regulation
Simon, Brett Johns Hopkins University 1996 RSG Regional Ventilation and Volume Recruitment in Acute Lung Injury
Stith, Ekehard Medical College of Wisconsin 1996 RSG Effects of Volatile Anesthetics on Synaptic Transmission in Respiratory Neurons
Brennan, Timothy University of Iowa Hospital and Clinics 1995 NA Central Neuronal Hyperexcitability in Postoperative Pain
Crowder, Charles Washington University School of Medicine 1995 NA Genetic Analysis of the Molecular Targets of Volatile Anesthetics in C. Elegans
Emula, Charles Johns Hopkins University 1995 RSG Cytokine Modulation of Signal Transduction in Airways Smooth Muscle Cells in Asthma
Past FAER Award Recipients
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Terman, Gregory
University of Washington
1992 RSG Kappa G protein Modulation of Long-Term Potentiation

Vervoets, Robert
Memorial Sloan-Kettering
1992 RSG Correction of Electrophysiological (EEG) and Cognitive Effects (Specifically Amnesia) During Intravenous Sedation

Altun, Theodore
Massachusetts General Hospital
1991 NIA Effects of Anesthesia on Cerebral Metabolism

Bakker, Phillip
University of California, San Francisco
1991 NIA Cerebral Physiology in Hypoxia Tolerant Animals

Brose, William
Stanford University Medical Center
1991 RSG Optimizing Treatment for Chronic Intractable Pain Using Therapeutic Drug Monitoring and Pharmacokinetically-Based Pharmacotherapeutic Concepts

Brown, Robert
Johns Hopkins University
1991 RSG Anesthesia Induced Bronchodilatation Assessed by High Resolution Computed Tomography

Caro, Harvey
Oregon Health & Science University
1991 RSG Hemodynamic Response to Intubation: The Role of Peripheral Opiate Receptors

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

Dennis, Don
University of Florida Medical Center
1991 NA Modulation of N-methyl D-aspartate (NMDA) Excitatory Transmission in the Rat Hip

Eikenhoff, Rodger
University of Pennsylvania Medical Center
1991 NA High Resolution Bonding Studies of Halothane in C. Elegans

Gehr, Lynne
Virginia Commonwealth University-Medical College of Virginia
1991 RSG The Cardioprotective Effects of Anesthetic Agents During Ischemia and Repereusion

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

Gold, William
University of Washington
1991 RSG An Ethnographic Analysis of Clinical Interaction Between Cardiovascular Anesthesiologists and Surgeons in the Operating Room

Heath, Mark
New York-Presbyterian Hospital (Columbia)
1991 RSG The Effect of Volatile Anesthetic on the Subcellular Distribution of Calcium in Dorsal Horn Spinal Cord Neurons

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

Leven, Steven
New York-Presbyterian Hospital (Columbia)
1991 RSG An Investigation into the Ions and Electrophysiological Mechanisms of Tryptophan's Production and Suppression in the 24-Hour Cucurbita Intact Model

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

Lindeman, Karen
Johns Hopkins University
1991 RSG The Role of Mediators of Inflammation in Nonacute Airway Constriction

Marie, Kenneth
University of Washington
1991 RSG Carmonalized Modulation of Neuroan Exactility

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

Mitala, Karen
University of Pennsylvania Medical Center
1991 RFG Surfactant Depletion Model of Acute Respiratory Failure in Rabbits Impairs Diffusive Transport of CO2 in the Atelectatic Airways

Mikhal, Nagy
Cleveland Clinic
1991 RSG Study of Sympathetic Ganglia in an Experimental Model of Reflex Sympathetic Dystrophy

Moore, Peter
University of California, Davis
1990 RSG Effects of Isoflurane on Regional Myocardial Function During Ischemia in Chronically Instrumented Normothermic and Hypothermic Dogs

Palmirotto, Barbara
Medical College of Wisconsin
1990 PIA Direct Myocardial Effects of Halothane and Isoflurane in Normal and Cytoxic Newborn Rabbits

Quinlan, Joseph
University of Pittsburgh Medical Center
1991 RSG Effect of Volatile General Anesthetics and Anesthetic I-Antagonists on Permeability Through GABA A-Receptor Operated Chloride Channels

Rames, Douglass
Massachusetts General Hospital
1990 RSG The Effect of General Anesthetics on Lipid-Protein Interactions

Schrader, Don
Cleveland Clinic
1990 EUGC Practice Oral Evaluation in Anesthesiology

Shangraw, Robert
Oregon Health & Science University
1991 RSG Regulation of Glucocerebrosidase During Liver Transplantation

Sharar, Robert
University of Washington
1990 RSG Developmentally-Related Expression of P-selectin Adhesion Molecules in Perinatal Rabbits

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

Snelling, Linda
Yale University
1990 RSG Physiologic and Biochemical Correlates of Pain in Critically Ill Children

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

Barnardos, 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?

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

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

Fecker, James
Boston Children's Hospital
1990 RSG Brain Energy Metabolism in a Newborn Piglet Model of Cardiopulmonary Bypass

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

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

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

Frank, Evan
Thomas Jefferson University-Jefferson Medical College
1990 RSG Effect of Intravenous Adenosine Expose on Membrane Lipid Structure and Composition

Gerald, Kevin
University of Maryland School of Medicine
1990 EUGC Computer Based Instruction in Anesthesiology

Gifford, Rona
Stanford University Medical Center
1990 EUGC The Effects of Ketamine, Thiopental and Propofol on Neuronal Injury In Vitro

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

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

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

Jaffe, Richard
Stanford University Medical Center
1990 NA Nociceptor Processing in the Spinal Cord: An Electrophysiological Model

Kheras, Richard
University of California, San Francisco
1990 NA Human Affected Metabolism and Inhibiting Diabetic Hemodynamics

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

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

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

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

Pickering, Robert
University of Nebraska Medical Center
1990 RSG Glutamate Toxicity and Ischemic Injury in Rat Hypocampal Slices In Vitro

Phillip, Richard
Wake Forest University School of Medicine
1990 EUGC Beta-A2-Adrenergic Catecholamine Resistance: The Role of Calcium

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

Silverstone, Jeffrey
Icahn School of Medicine at Mount Sinai
1990 RSG Effect and Localization of Patien Inhaled Anesthetic Agents on SHTLA Receptor Function and Signal Transmission in Rat and Human Brain

Strainard, James
University of Utah Medical Center
1990 RSG Transmural Absorption of Fentanyl: Effect of pH and Permeator Enhancers

Tomp, 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

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

Yong, Liy
University of Maryland School of Medicine
1990 NA A Quantal Analysis Study of the Mechanism of General Anesthetics Depression of Central Exocytotic Synapses

Alpha, Sema
University of Washington
1990 FLW Transmembrane Ion Channels Stabilized Within Polymerized Bilayers as a Model for Biosensors

Brian, John
University of Arizona for Medical Sciences
1990 RSG Effects of Halothane and Isoflurane on In Vitro Responses of Cerebral Arteries

Cren, Linda
University of Pennsylvania Medical Center
1989 NA The Influence of Aflatoxin B1 Metabolism on the Interaction Between Peripheral Chemoreceptors and Hypoxic Pulmonary vasoconstriction

Chang, CK
Johns Hopkins University
1989 RSG The Cardioprotective and Cardioprotective Effects of Volatile Anesthetics on Intact Heart Myocytes in the Setting of Acidois and Hypoxia

De Armento, Alberto
Massachusetts General Hospital
1990 RSG Mechanisms of Action of Volatile Anesthetics at the Acetylcholine Receptor

Dull, David
University of Iowa Hospital and Clinics
1989 RSG Determination of Regional Blood Flow Produced by Cardiopulmonary Resuscitation in Pigs During Spinal Anesthesia

Effen, Scott
Johns Hopkins University
1989 RSG Real Time NIR of Brain pH and Bioenergetics During CPB: Effects of Bicarbonate and Carborcate Therapy

Fass, Joseph
University of Chicago
1990 RSG Examination of Peripheral Opioid Receptor Activity

Heard, Stephen
University of Massachusetts Medical School
1990 RSG Tumor Necrosis Factor as a Cause of the Malignant Depression in Septic: Role of Secondary Lipid Mediators

Hindman, Bradley
University of Iowa Hospital and Clinics
1989 NA Effect of Cardiopulmonary Bypass Upon Cerebral Blood Flow and Metabolism

Hogan, Kirk
University of Wisconsin, Madison
1989 NA Malignant Hyperthermia DNA Linkage Analysis

Hruska, Robert
Georgia Regents University
1989 RSG The Effects of Opioid Narcotics on 5-Hydroxytryptamine (5-HT) Receptor Mechanisms in Membranes from Rat Brain

Korth, Charles
University of Pennsylvania Medical Center
1989 RSG Cerebral Microvascular Mechanisms of Permeability in the Piglet

Layon, Abraham
University of Florida Medical Center
1989 RSG The Effects of Anesthesia on Global and Discrete Immune Function and Outcome in a Healthy Mouse Model - Phase II
Past FAER Award Recipients

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Levitt, Roy
Johns Hopkins University
1984 RSG
Airway hyperreactivity; Genetic Mechanisms

Maktabi, Mazen
University of Iowa Hospital and Clinics
1985 RSG
Effect of Halothane on the Choral Plexus

Merrill, W. Jerry
University of Florida Medical Center
1986 RSG
Enhancement of the Pharmacologic Effects of Nondepolarizing Muscle Relaxants by Adenosine

Oliver-Pathak, Barbara
University of Nebraska Medical Center
1986 RSG
Protective Effect of Volatile Anesthetics on Hepatocellular Energy Status During Ischemia

Petef, Richard
Stanford University Medical Center
1986 RSG
Estimation of Pulmonary Capillary Pressure in Intact Sheep

Poloer, David
Massachusetts General Hospital
1987 RSG
Augmentation of Regional Diaphragmatic Contracture by Epidural Anesthesia After Thoracic Surgery in the Awake Sheep

Rimor, Stephen
Yale University
1985 RSG
The Effects of General Anesthesia on Endothelin-Induced Coronary Vasoreactivity

Rinder, Christine
Yale University
1985 RSG
Changes in Platelet Membrane Receptors During Cardiopulmonary Bypass

Schmeling, William
University of California, San Francisco
1986 RSG
Biocatalytic and Pharmacologic Characterization of a New Alpha Adrenergic Receptor Subtype

Smiley, Richard
New York-Presbyterian Hospital (Columbia)
1988 RSG
Perioperative Changes in the Beta-Adrenergic Receptor/Adenylyl Cyclase System of Human Lymphocytes

Sun, Lena
New York-Presbyterian Hospital (Columbia)
1989 RSG
Effect of Volatile General Anesthetics on Excitatory Amino Acid Receptors and Hypoxic Neuronal Death

Albritton, James
Massachusetts General Hospital
1988 NA
Molecular Mechanisms of Anesthetic Cut-off

Baum, Victor
David Geffen School of Medicine at UCLA
1988 RSG
Differential Effects of Isotocine and Halothane on Excretion-Contractor Coupling in the Developing Rabbit Myocardium

Bendthuysen, James
University of California, Davis
1988 RSG
Modeling of Allatostatin A in Different Species

Breen, Peter
University of Chicago
1988 RSG
Changes in In-Flow CO2 During Changes in Cardiac Output

Chabot, Charles
University of Washington
1988 RSG
Toussaint-induced Pain: Evaluation of Neurophysiology and Potential Treatments

Danner, Kenneth
University of California, San Francisco
1988 RSG
The Effects of Inhaled Anesthetics on Pan-Processing

Fitz, Edward
University of Arizona Health Sciences
1988 RSG
Interaction Between Inhalational and Narcotic Anesthetics: Possible Alterations in Hippocampal Clearance, Evaluation in Liver Slice and Isolated Perfused Rat Liver Systems

Gore, Ronald
Massachusetts General Hospital
1988 RSG
Mycocardial Ischemia During the Weaving of Mechanical Ventilator-Dependent Patients: Diagnosis and Pathophysiology

Romero, E. Heidi
University of California, San Francisco
1988 NA
Physiology of Recovery From Intestinal Pulmonary Edema

Kennedy, Thomas
University of Michigan Medical Center
1988 FWU
Mediators of Acute Lung Injury in Aspiration Pneumonitis

Levine, John
Duke University School of Medicine
1988 RSG
Effects of Remodelling on Regional Myocardial Function During Ischemia

Linn, Jeffrey
Mayo Clinic Rochester
1988 RSG
Peripheral Adrenergic Alterations Induced by E. coli Endotoxin

Maktabi, Mazen
University of Iowa Hospital and Clinics
1988 FWU
Effects of Angiotensin on the Choroid Plexus

Mason, BILL, Ruth
Indiana University School of Medicine
1988 RSG
Long-Term Effects of Neocalcium on Rat Pulmonary Artery Smooth Muscle

Murray, David
University of Iowa Hospital and Clinics
1988 RSG
Cardiovascular Effects of Halothane and Isoflurane in the Neonate, Infant, and Small Child

Murray, Thomas
University of Pennsylvania Medical Center
1988 RSG
Effects of Inhalational Anesthetics on Isolated Pulmonary Vascular Smooth Muscle Cell Contractility Under Normoxic and Hypoxic Conditions

Portside, Brian
University of California, San Diego
1988 RSG
The Effects of Local Anesthetic Agents on Endovascular Blood Flow

Roth, Steven
University of Chicago
1988 FWU
The Effects of General Anesthesia on Retinal and choroidal Blood Flow

Schrier, Debra
Duke University School of Medicine
1988 FWU
Elucidation of the Molecular Structure of the Human alpha-Adrenergic Receptor

Segal, In
Stanford University Medical Center
1988 FWU
Partial Characterization of the Mechanism for the MAC-Reducing Anesthetic Action of Alpha-2 Adrenergic Agonists

Shaffer, Steven
Stanford University Medical Center
1988 RSG
The Effects of General Anesthesia as a Predictor of Hemodynamic Response in Patients Receiving Allantoin by Computer Controlled Infusion

Sterles, Richard
Washington University School of Medicine
1988 FWU
Volatile Anesthetic Effects on U.Protein Mediated Effects/Receptor Coupling

Trottier, Darrell
Stanford University Medical Center
1988 RSG
The Effects of Tissue Injury on Nociceptor Physiology and Pharmacology

Villani, Stephen
State University of New York, Stony Brook
1988 RSG
The Effects of Inhalational Anesthetics on Pulmonary Clearance

Wenger, Stephen
University of California, San Diego
1988 NA
Elevation of the Opiate Receptor Subtypes Mediating Muscle Rigidity

Berman, Michael
New York-Presbyterian Hospital (Columbia)
1987 RSG
The Effects of Local Anesthetics on Single Sodum Currents in Canine Ventricular Cells

Casterholt, Raymond
University of Florida Medical Center
1987 FWU
The Effect of Cardiopulmonary Bypass Perfusion Pressure on Cerebral Outcome After Coronary Artery Bypass Grafting

Chrestia, Brian
University of Iowa Hospital and Clinics
1987 RSG
The Hemodynamic Response to Epidural Anesthesia in Pregnant Ewes After Intravenous Infusion of Ritodrine

Cole, Daniel
Loma Linda University
1987 RSG
The Influence of Hemodynamic Manipulation Upon Infant Size and Neuropathologic Outcome Following Focal Cerebral Ischemia

Ellis, John
Yale University
1987 RSG
Elucidation of the Mechanism of Myocardial Ischemia During Vascular Surgery

Hochhals, Richard
Unknown
1987 RSG

Hughs, Joseph
Mayo Clinic Rochester
1987 FWU
Do volatile Anesthetics Ablate Partial Coronary Constriction in Dogs?

Jaffe, Barry
University of California, San Francisco
1987 RSG
Monoclonal Induced Pulmonary Hypertension in Sheep

Johns, John
University of Virginia
1987 NA
Hypoxia and EDRF Release from Pulmonary Artery Endothelium

Jordan, Jordan
New York Presbyterian Hospital (Columbia)
1987 FWU
Adrenal Hormone Receptors

Kearns, Mitchell
University of Chicago
1987 NA
Diaphragm Energy and Fatigue

Leman, Paul
University of Texas Health Science Center, Houston
1987 RSG
Porine Kalliparenas Hypertension: Succinylcholine-Induced Muscular Muscle Rigidity

Mazzu, Dia
Indiana University School of Medicine
1987 RSG
Pulmonary Microvascular Responsivity in Perutz Lungs

Miller, Francis
University of Pennsylvania Medical Center
1987 RSG
The Role of Atrial Intracellular Hormone in the Regulation of the Pulmonary Circulation

Morgan, Philip
Case Western Reserve
1987 RSG
Genetic and Biochemical Analysis of the Response to Volatile Anesthetics in Cynomolgus Monkeys

Monsmier, Nancy
University of California, San Francisco
1987 RSG
Efficacy and Dose of Thiopental in Reduction of Neuropsychiatric Complications After Hypothermic Cardiopulmonary Bypass

Sheehan, Thomas
Penn State University Milton S. Hershey Medical Center
1987 RSG
Halogenated Anesthetic-Mediated Myocardial Depression

Werner, David S
University of Iowa Hospital and Clinics
1987 NA
Anesthetics: Effects on Cardiac Blood Flow and Metabolism During Focal Ischemia in the Rat: Implications for Cerebral Protection

Arden, James
University of California, San Francisco
1986 RSG

Grauman, Darthe
Mayo Clinic Rochester
1986 FWU
Effects of Opioid Receptor Activation and General Anesthesia on Adrenal Catecholamine and Enkephalin Outflow During Pain and Hypoxia in Cats

Hent thorn, Thomas
Northwestern University Feinberg School of Medicine
1986 NA
Narcotic Metabolism and the Polyorphic Oxidation Phenotype

Housman, Philippe
Mayo Clinic Rochester
1986 NA
Influnze and Cardiac Contractility

Putney, John
University of Texas Health Science Center, San Antonio
1986 RSG
Treatment of Global Cerebral Ischemia Using Ventriculo-cisternal Perfusion

Rice, Mark
University of Wisconsin, Madison
1986 RSG

Schmelling, William
Medical College of Wisconsin
1986 RSG

Shen, Keith
University of Massachusetts Medical School
1986 RSG
The Role of Interleukin-1 in the Hemodynamic Aberrations of Septic Shock

Whaley, David
Johns Hopkins University
1986 RSG
The Mechanisms of the Negative Inotropic Effect of Volatile Anesthetics in Isolated Rat Heart Cell

Zornow, Mark
University of California, San Diego
1986 RSG

Allen, Steven
University of Texas Health Science Center, Houston
1985 RSG

Bollen, Bruce
University of Iowa Hospital and Clinics
1985 FWU
Effects of Halothane and Isoflurane on Coronary Arterial Tone and Influence of Nifedipine on Their Actions

Cason, Brian
University of California, San Francisco
1985 RSG

Firestone, Leonard
University of Pittsburgh Medical Center
1985 RSG

Katz, Jeff
University of Texas Health Science Center, Houston
1985 RSG

Kefler, William
Penn State University Milton S. Hershey Medical Center
1985 NA
General Anesthesia for Status Epilepticus

Krasie, Tom
Northwestern University Feinberg School of Medicine
1985 RSG

Laier, William
Mayo Clinic Rochester
1985 RSG
Cerebral Stimulating Effects of Intravenous Strychnine

Lena, Mark
Brigham and Women's Hospital
1985 NA
Effects of Nitrous Oxide, Halogenated Anesthetic Anesthetics and Local Anesthetics on Intact and Skinned Human Myocardial Tissue

Pearl, Ronald
Stanford University Medical Center
1985 RSG

Rocke, G. Alber
University of Washington
1985 RSG

Schaffer, Mark
Children's Hospital of Philadelphia
1985 RSG

Werner, David S
Duke University School of Medicine
1985 RSG

Weis, David
Harvard Medical School
1985 RSG

Bokichi, Paula
University of Massachusetts Medical School
1984 RSG
Bowdle, Thomas University of Washington 1984 RSG
Brett, Clare University of California, San Francisco 1984 RSG
Brett, Roger State University of New York, Stony Brook 1984 RSG
Caplan, Robert Virginia Mason Medical Center 1984 RSG
Chen, Linda University of Pennsylvania Medical Center 1984 RSG
Krane, Elfin Children's Hospital and Regional Medical Center, Seattle 1984 RSG
Kressin, Nancy University of Wisconsin, Madison 1984 FLW Curare-Dopaminergic Antagonism and Effects on Ventilation
Latom, Terry Presbyterian Hospital 1984 RSG
Liu, Lawrence University of California, San Francisco 1984 RSG A Study of Cerebral Bioenergetics in the Rat During Isoflurane and Halothane Anesthesia Using In Vivo 31P Nuclear Magnetic Resonance Spectroscopy
Scheller, Mark University of California, San Diego 1984 RSG
Scott, James University of New Mexico School of Medicine 1984 RSG
Zornow, Mark University of California, San Diego 1984 FLW Brain Edema Formation in Open and Closed Cranium Cats Following Normovolemic Hemodilution with Normal Saline of Hespan

Litt, Lawrence University of California, San Francisco 1984 NIA A Study of Cerebral Bioenergetics in the Rat During Isoflurane and Halothane Anesthesia Using In Vivo 31P Nuclear Magnetic Resonance Spectroscopy

Drummond, John University of California, San Diego 1983 RSG

Latson, Terry Presbyterian Hospital 1984 RSG Curare-Dopaminergic Antagonism and Effects on Ventilation
Kressin, Nancy University of Wisconsin, Madison 1984 FLW Curare-Dopaminergic Antagonism and Effects on Ventilation

Drummond, John University of California, San Diego 1983 RSG

Becker, Karl University of Kansas School of Medicine, Wichita 1976 RSG
Hinahman, Carol Johns Hopkins University 1976 RSG
Ivankoski, Kumiko Unspecified 1976 RSG
Nahrendorf, Michael Indiana University School of Medicine 1976 RSG
Tennison, Alan University of Texas Health Sciences Center, Houston 1976 RSG
Ouellet, Ronald University of California, San Diego 1975 RSG
Forbes, Althea California Pacific Medical Center 1975 RSG
Kaplan, Joel Icahn School of Medicine at Mount Sinai 1975 RSG
O'Brien, Lois St. Louis Hospital Medical Center 1975 RSG
Benzvol, Jonathan University of California, San Diego 1974 RSG
Levitt, Jerry Icahn School of Medicine at Mount Sinai 1974 RSG
Molden, Sheila National Capital Consortium, USPHS 1974 RSG
Wallace, Richard University of Virginia 1974 RSG
Fink, Bernard Shady Grove Adventist Hospital 1973 RSG
Kane, Peter State University of New York, Upstate Medical University 1973 RSG
Riedesel, Carl Case Western Reserve 1973 RSG
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