



**RESEARCH IN PROGRESS SEMINARS**  
**DEPARTMENT OF ANESTHESIOLOGY & CRITICAL CARE**  
**2010-2011**

<b>DATE</b>	<b>SPEAKER</b>	<b>TITLE</b>
<b>9/9/10</b>	<b>Roderic Eckenhoff, MD</b> Austin Lamont Professor and Vice-Chair for Research Dept Anesthesiology & Critical Care <b>Brian Weiser, PhDc</b> Dept Pharmacology University of Pennsylvania	<b>"Fishing with Light: Photoactive Anesthetics"</b>
<b>9/16/10</b>	<b>Rick Levy, MD</b> Associate Professor Anesthesiology Children's National Medical Center Washington, DC	<b>"CO-Mediated Inhibition of Developmental Apoptosis"</b>
<b>9/23/10</b>	<b>John Gunstad, PhD</b> Associate Professor, Department of Psychology Kent State University	<b>"Neurocognitive aspects of Obesity"</b>
<b>9/30/10</b>	<b>William L Young, MD</b> James P. Livingston Professor and Vice-Chair, Department of Anesthesia and Perioperative Care UCSF San Francisco, CA	<b>"Coapting Angiogenesis and Inflammation to Create Brain Vascular Malformations"</b>
<b>10/7/10</b>	<b>Emery N. Brown, M.D., Ph.D.</b> Professor, Computational Neuroscience and Health Sciences and Technology Massachusetts Institute of Technology Boston, MA	<b>JEE LECTURESHIP</b> <b>"Characterizing General Anesthesia-Induced Loss of Consciousness"</b>
<b>10/14/10</b>	<b>ASA-Poster Session – BRB Lobby</b>	
<b>10/28/10</b>	<b>Roderic G Eckenhoff, MD</b> Austin Lamont Professor Vice Chair for Research Dept of Anesthesiology & Critical Care University of Pennsylvania	<b>"Mentorship, Authorship and Publication"</b>
<b>11/4/10</b>	<b>Maureen McCunn, MD</b> Assistant Professor Anesthesiology and Critical Care University of Pennsylvania	<b>"Theories of Social Organization: Nursing Hierarchy in the Trauma Bay". Preliminary Data and Next Steps in Gendered Leadership Research."</b>
<b>11/11/10</b>	<b>Maurizio Cereda, MD</b> Assistant Professor Dept of Anesthesiology & Critical Care University of Pennsylvania	<b>"Quantitative Imaging of Alveolar Dynamics with Hyperpolarized Gas MRI During Mechanical Ventilation"</b>

11/18/10	<b>Greg Stratmann, MD, PhD</b> Associate Professor Anesthesia University of California San Francisco	<b>"Developmental Anesthetic Neurotoxicity - Potential Mechanisms"</b>
12/2/10	<b>Craig Cooperson, MD</b> Professor of Surgery Emory University School of Medicine Atlanta, GA	<b>"Gut Epithelial Integrity and Sepsis"</b>
12/9/10	<b>Renyu Liu, MD, PhD</b> Assistant Professor, Anesthesiology and Critical Care University of Pennsylvania	<b>"Elective Surgical Case Cancellation in a Large Academic Center: Current Status and Solution"</b>
12/16/10	<b>Renyu Liu, MD, PhD</b> Assistant Professor, <b>Diasan Su, MD</b> Visiting Scholar Anesthesiology and Critical Care University of Pennsylvania	<b>"Salvinorin A: a potential novel medication for NeuroCritical care?"</b>
1/13/11	<b>Mary Konsolaki, PhD</b> Associate Research Professor Department of Genetics Rutgers University	<b>"Flying with Alzheimer's: A Drosophila model to study neurodegeneration"</b>
1/20/11	<b>Dr. Daqing Ma MD, PhD</b> Senior lecturer Anaesthetics, Pain Medicine & Intensive Care Department of Surgery & Cancer Imperial College, London	<b>"Neurodegeneration induced by general anaesthetics in the developing brain: Mechanism and prevention".</b>
1/27/11	<b>Huafeng Wei, MD, PhD</b> Assistant Professor Dept of Anesthesiology & Critical Care University of Pennsylvania	<b>"General anesthetics are both cytoprotective and cytotoxic: A double edge sword"</b>
2/3/11	<b>Alexandra Klinger, Ph.D.</b> Postdoctoral Fellow <b>Peter Sobolewski, Ph.D.</b> Postdoctoral Fellow <b>David Eckmann, PhD, MD,</b> Horatio C Wood Professor, Dept of Anesthesiology & Critical Care University of Pennsylvania	<b>"Tiny bubbles, big troubles: endothelial cell signaling in response to air bubble contact."</b>
2/17/11	<b>Tim Brennan, MD, PhD</b> Professor of Anesthesia Vice Chair for Research University of Iowa	<b>"Mechanisms for Incisional Pain"</b>
2/24/11	<b>Rosemary C. Polomano, PhD, RN, FAAN</b> Associate Professor of Pain Practice University of Pennsylvania School of Nursing Associate Professor of Anesthesiology	<b>"Ground Zero for Pain Science; Experiences in Combat-Injured Soldiers."</b>

	and Critical Care University of Pennsylvania School of Medicine	
3/3/11	<b>Jeff E. Mandel, M.D., M.S.</b> Assistant Professor <b>Nabil M Elkassabany, M.D.</b> Assistant Professor Anesthesiology and Critical Care University of Pennsylvania	<b>“Jet ventilation for Procedural Immobilization”</b>
3/10/11	<b>Mark Neuman, M.D.</b> Assistant Professor Anesthesiology and Critical Care University of Pennsylvania	<b>"Observational Data for Research on Perioperative Care: Data Sources and Methodological Considerations"</b>
3/17/11	<b>William Armstead, Ph.D.</b> Research Associate Professor Anesthesiology and Critical Care University of Pennsylvania	<b>"Role of ET-1 in Age and Sex Dependent Mechanisms in Pediatric Traumatic Brain Injury: Implications for Therapy".</b>
3/24/11	<b>Paul S. García, MD, PhD</b> Assistant Professor Department of Anesthesiology Emory University School of Medicine, Atlanta, Georgia	<b>“Waking Sleeping Beauty: GABA antagonists and their potential role in reversal of general anesthesia.”</b>
3/31/11	<b>Paul Davies, Ph.D.</b> Research Assistant Professor Department of Neuroscience Tufts University School of Medicine Boston, Massachusetts	<b>“Changes In Anesthetic Sensitivity Correlate With Changes In Extrasynaptic GABA(A) Receptor Expression”</b>
4/7/11	<b>Donald Joseph, Ph.D.</b> Postdoctoral Fellow <b>Huafeng Wei, MD, PhD,</b> Associate Professor Anesthesiology & Critical Care University of Pennsylvania	<b>“Delayed effects of prolonged isoflurane exposure on cognitive and sociability functions: A comparative analysis in young and aged mice”</b>
4/14/11	<b>Rebecca M Speck, MPH</b> Research Project Manager Department of Anesthesiology University of Pennsylvania	<b>"Impact of Chemotherapy Induced Peripheral Neuropathy on Treatment Delivery"</b>
4/21/11	<b>Lucia Morstadt, PhD</b> Postdoctoral Fellow <b>Jonas Johansson, MD, PhD</b> Associate Professor Anesthesiology & Critical Care University of Pennsylvania	<b>“Biophysical characterization of the Interaction of Four-Alpha–Helix Bundle Proteins With Volatile Anesthetics”</b>
4/28/11	<b>H. Thomas Lee, MD, PhD</b> Assistant Professor Department of Anesthesiology Columbia University	<b>"Remote Organ Injury After Acute Kidney Injury."</b>
5/5/11	<b>Annika Barber, PhDc</b> Cell and Developmental Biology Thomas Jefferson University	<b>“Anesthetic effects on voltage gated potassium channels”</b>
5/11/11	<b>AUA Practice Session</b>	

<b>5/19/11</b>	<b>Joshua Atkins, MD, Introduction Presentations:</b> <b>Eckenhoff Lab</b> <b>Armstead Lab</b> <b>Wei Lab</b> <b>Andy Ochroch, MD, Q&amp;A</b>	<b>Visiting Delegation of Anesthesiologists from China</b>
<b>5/26/11</b>	<b>Roderic G Eckenhoff, MD</b> Austin Lamont Professor Vice Chair for Research Dept of Anesthesiology & Critical Care University of Pennsylvania	<b>Research Faculty Business Meeting</b>
<b>6/2/11</b>	<b>Prof. Michael Irwin, MD</b> Professor and Chair, Department of Anesthesia, University of Hong Kong	<b>“The Magic of Opioids: Cardioprotection and More.”</b>
<b>6/16/11</b>	<b>Brian Wiser, PhD</b> Dept. of Pharmacology <b>Roderic G Eckenhoff, MD</b> Professor <b>Andrew McKinstry-Wu, M.D.</b> Resident Fellow <b>Max B Kelz, MD, PhD</b> Associate Professor Anesthesiology & Critical Care University of Pennsylvania	<b>“Optoanesthesia”</b>
<b>6/23/11</b>	<b>Resident Presentations</b>	
<b>6/30/11</b>	<b>Marc Egeth, PhD</b> Postdoctoral Fellow <b>Max B Kelz, Md, PhD</b> Associate Professor Anesthesiology & Critical Care University of Pennsylvania	<b>“Assessing Consciousness On the Fly.”</b>