RMRET and RACD Past and Current Projects

RMRET

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| **Year** | **Resident Name** | **Mentor** | **Project Title** | **Outcome** |
| 2011 | Mian, Salmon | McKeown, Jason | Pain Outcomes in Robotic-Assisted Thoracic Surgery | 2012 GAARC presentation, 2012 Anesthesiology Grand Rounds presentation |
| 2011 | Long, Michael | Pierce, Bert | Mass Casualty and the Role of the Anesthesiologist:  Analysis of Perioperative Surge During and After a Mass Casualty Event | 2012 GAARC presentation, 2012 Anesthesiology Grand Rounds presentation |
| 2011 | Shinkle, Aaron | Kukreja, Promil | A comparison of the efficacy of continuous nerve block with stimulating catheters placed under ultrasound guidance versus nonstimulating catheters placed under ultrasound guidance | 2012 Anesthesiology Grand Rounds presentation |
| 2011 | Downing, Michelle | Vetter, Tom | Patient Medication Compliance on the Day of Surgery: Effects of Providing Patients with Written Medication Instructions | 2012 GAARC presentation, 2012 Anesthesiology Grand Rounds presentation |
| 2011 | Ison, Matt | McKeown, Jason | The Development and Use of Pituitary Neuroadenolysis in the Treatment of Intractable Cancer Pain | 2012 Anesthesiology Grand Rounds presentation |
| 2011 | Bracke, Luke | McKeown, Jason | The Life and Innovations of Dr. James Boyce |  2011 Anesthesiology Grand Rounds presentation |
| 2012 | Hlavecek, Anne | Gayeski, Tom Shelton, Mike | "Cardiac Compliance as Measured by Echocardiography Before and After Bypass” | 2013 GAARC Presentation, 2013 Anesthesiology Grand Rounds presentation |
| 2012 | Perry, Scott | Jones, Tony Albin, Maurice  | “The Incidence of Venous Air Embolism During Endoscopic Retrograde Cholangio-Pancreatography” | 2013 GAARC Presentation, 2013 Anesthesiology Grand Rounds presentation |
| 2013 | Chiang, Laura | McArdle, Phillip | "Off the Cuff: Using Ultrasound to Define and Diagnose Laryngeal Edema in Intubated Patients" | Study in progress |
| 2013 | Dishong, Brian | Kukreja, Promil | "Effect of Perineural Clonidine on Onset and Duration of 0.5% Ropivacaine after Popliteal Nerve Block in Foot and Ankle Surgery" | Study in progress |
| 2013 | Duncan-Azadi, Cassie | Driscoll, Elizabeth | "A Comparison of Post-Operative VAS Pain Scores and Opiate Requirements Before and After Initiation of Case by Case Narcotic Removal" | Study in progress |
| 2013 | Patel, Arpan | Jones, Tony Chewning, Joseph | "Differential Anesthetic Effects on Human Natural Killer Cell Activity and Toxicity" | Study in progress |
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RACD

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| **CA-1 Year** | **Resident Name** | **Mentor** | **Project Title** | **Outcome** |  |
| 2007 | Jack Crawford, MD, PhD | Rakesh Patel, PhD | Alterations in Hypoxic Signaling of Banked Red Blood Cells | Publications (Shoman ME, DuMond JF, Isbell TS, Crawford JH, Brandon A, Honavar J, Vitturi DA, White CR, Patel RP, Bruce King S (2011). Acyloxy Nitroso Compounds as Nitroxyl (HNO) Donors: Kinetics, Reactions with thiols, and vasodilation properties. Journal of Medicinal Chemistry. 54: 1059-70 PMCID: 3041856; GMT Hare, AK Tsui, JH Crawford, RP Patel (2013) Is Methemoglobin an inert bystander, biomarker or a mediator of oxidative stress- the example of anemia Redox Report. In Press. PMCID in process); Grand Rounds Lecture 2010 |  |
| 2008 | Mitchell Engle, MD, PhD | Timothy Ness, MD, PhD Meredith Robbins, PhD | The Electrophysiologic Characterization of Oxytocin's Effect on Dorsal Horn Neuronal Responses to Urinary Bladder Distention | Paper publication (“Intrathecal oxytocin inhibits visceromotor reflex and spinal neuronal responses to noxious distention of the rat urinary bladder.” Engle MP, Ness TJ, Robbins MT. Reg Anesth Pain Med. 2012 Sep-Oct;37(5):515-20.); poster presentations (ASRA Spring 2011 and Society for Neuroscience 2011); Grand Rounds Lecture 2011 |  |
| 2010 | Brant Wagener, MD, PhD | Jean-Francois Pittet, MD Sadis Matalon, PhD | The Role of PDE4 Activation in Mediating the IL-8- and PI3Kinase-dependent Inhibition of beta2-agonist-stimulated Alveolar Fluid Clearance |  2013 FAER Research Fellowship Grant Award (“PDE4 and IL-8 Dependent Inhibition of cAMP-Stimulated Alveolar Fluid Clearance”); Grand Rounds Lecture April 2013 |  |
| 2012 | Lee Goeddel, MD, MPH | Tom Vetter, MD, MPH Jean-Francois Pittet, MD | The Perioperative Surgical Home |   |  |
| 2012 | Weifeng Song, MD, PhD\* | Undecided |   |   |  |
|  | \*More Information is needed. |