January 2014


Michael Polydefkis (Neurology): “TRPV1 Expression in Human Primary Sensory Afferents”

Mohamed Farah (Neurology): “BACE 1 Inhibition as a Treatment for Diabetic Neuropathy in Mice”

Feng Tao (Anesthesiology): “Unveiling the Antinociceptive Effect of Motor Cortex Stimulation Using Optogenetics”

Ronen Shechter (Anesthesiology): “Dorsal Column Stimulation Role in Preventing and Treating Paclitaxel Induced Painful Neuropathy”

Joseph Mankowski (Molecular and Comparative Pathobiology): “In Vivo Corneal Confocal Microscopy: Noninvasive Measurement of Unmyelinated Sensory Nerve Fibers in Macaques”

July 2013

Richard Elliott (Pediatric Anesthesiology): “Methadone Pharmacokinetics in Pediatric Patients”

Renan Castillo (Health Policy and Management): “Development of a Red-flag Indicator Set for Opioid Medications in Large Pharmacy Claims Database”

Shaoyong Yu (Gastroenterology): “Acid-sensitive Afferents in the Esophagus: Which One Accounts for Your Heartburn?”

Frank Bosmans (Physiology): “Defining the Functional Properties of Nav 1.9-mediated Sodium Currents in Primates”

January 2013

Gabsang Lee (Neurology): “Molecular Profiling of Individual Human Nociceptive Neurons”


Gene Friedman (Otolaryngology): “Safe Spinal Direct Current Stimulation: A Novel Approach for Neuropathic Pain Inhibition”

Nicholas Dalesio (Anesthesiology): “Changes in Respiration and Upper Airway Collapsibility from the Effects of Obesity on Morphine Pharmacokinetics”

July 2012
Sharon Kozachik (Nursing): “Sleep Enhancement to Mitigate Paclitaxel-induced Mechanical Hypersensitivity”


Feng Tao (Anesthesiology): “Stress Hormone Norepinephrine and Stress-induced Pain Transition”

Jasenka Borzan (Anesthesiology): “The Role of PAG Stimulation in Inhibition of Algogenic or Pruritic Stimuli Applied to the Cheek”

Matthias Ringkamp (Neurosurgery): “Replacement of CO2 Laser Thermal Stimulator”

Roger Johns (Anesthesiology): “Pain Processing in a Mouse Model of Autism Spectrum Disorder”

January 2012

Yuan-Xiang Tao (Anesthesiology): “Epigenetic Regulation of Neuropathic Pain: Role of DRG DNA Methylation”

Marie Hanna (Anesthesiology): “Strategy to Improve Posteroperative Pain Management in Postsurgical Units”

Andrea Dugas (Emergency Medicine): An Educational Intervention to Improve Emergency Providers’ Knowledge and Attitudes Toward Patients with Sickle Cell Disease Pain Crisis”

Claudia Campbell (Psychiatry): “Determining the Role of Stress Hormones, Inflammatory Markers, Genetics and Sleep on Ethnic Disparities in Pain Perception”

July 2011

Julius Birnbaum (Rheumatology): “Characterization of Pain Profiles and Mechanisms of Nerve Growth Factor Associated with Sjogren’s Small Fiber Neuropathies”

Michael Caterina (Biological Chemistry): “Mutagenic Analysis of TRPV1 Dynamic Ionic Selectivity”

Feng Tao (Anesthesiology): “Role of AMPA Receptor Regulation in Stress-induced Prolongation of Incisional Pain”

Yun Guan (Anesthesiology) “Pain after Lumbar Spinal Cord Injury: Novel Animal Model Treatment Strategy”

January 2011
Myron Yaster (Anesthesiology): “Phosphatidylinositol 3-Kinase/Protein Kinase B Are Key Mediators in the Development of Chronic Morphine Tolerance”

Roger Johns (Anesthesiology): “Pain Sensory Function in a Mouse Model of Autism”

Mohamed Farah (Neurology): “BACE 1 Inhibition as a Therapy for Neuropathic Pain in Mouse Models”

Marian Kollarik (Immunology): “Mechanisms of Esophageal Pain”

Kevin Fontaine (Rheumatology): “Effects of Neuromuscular Strain on Symptoms, Pain and Central Sensitivity in Patients with Fibromyalgia and Chronic Fatigue Syndrome”

Jasenka Borzan (Anesthesiology): “Differentiation of Spontaneous and Evoked Pain Using Ultrasonic Vocalizations of Rats and Mice”

July 2010


Carlton Haywood (Bioethics): “The Use of Opioid Agreements in the Treatment of Patients with Chronic Pain: Perspectives of Adults with Sickle Cell Disease”

January 2010

C. Patrick Carroll (Psychiatry): “Catastrophizing and Negative Affect as Predictors of Opioid Response in Acute Sickle Cell Vaso-occlusive Crisis”

Athir Morad (Anesthesiology): “Analgesia for Craniotomy Pain: A Randomized Controlled Safety Trial of IVPCA Compared to PRN Fentanyl”

Gigi Ebenezer (Neurology): “Cutaneous Nerve Fiber Regeneration in the Distal Limb after Spinal Nerve Lesion (SNL) in Macaques”

Yuan-Xiang Tao (Anesthesiology): “Role of Spinal mTOR in the Development of Chronic Morphine Tolerance”

July 2009

Benjamin Lee (Pediatric Anesthesiology): “Prevalence of Pain and Distressing Symptoms in the Quality of Palliative Care in Pediatric Patients with Cancer Admitted to the Hospital”

Jasenka Borzan (Anesthesiology): “Ultrasonic Vocalization as a Behavioral Measure of Spontaneous and Evoked Pain”
January 2009

Michael Smith (Psychiatry): “Endogenous Opioids: Role in Analgesic Effects of Distraction”

Jennifer Haythornthwaite (Psychiatry): “Emotional Regulation, Inflammation and Pain Sensitivity in Rheumatoid Arthritis: A Preliminary Study”

Paul Fuchs (Otolaryngology): “Type II Cochlear Afferents: A Pathway for Painful Sound?”

Yuan-Xiang Tao (Anesthesiology): “Involvement of Dorsal Root Ganglion Native Kv1.2 Antisense RNA in Neuropathic Pain”

July 2008

Yong-Di Zhou (Neurosurgery): “Neuronal Networks of Working Memory for Painful Stimuli”

Xinzhong Dong (Neuroscience): “Role of Ssg1, a Novel PIP2-binding Protein, in Regulating TRP Channel Activity and Pain”

Thomas Taylor-Clark (Allergy and Clinical Immunology): “Mechanisms of Oxidative Stress Associated Pain”

Yun Guan (Anesthesiology): “Exploring Mechanisms of Peripheral Opioid Analgesic Tolerance in an Experimental Model of Neuropathic Pain”

Kristin Archer (Orthopedic Surgery): “Effects of Fear-avoidance Beliefs on Pain and Disability After Spine Surgery”

January 2008

Paul Fuchs (Otolaryngology): Type II Cochlear Afferents: A Pathway for Painful Sound?”


Yuan-Xiang Tao (Anesthesiology): “Proteomic Study of Primate Dorsal Root Ganglion and Spinal Doral Horn Following Peripheral Nerve Injury”

Jasenka Borzan (Anesthesiolog): “The Role of NF-KB in the Anti-inflammatory Effects of Flavonoids”

July 2007

Matthias Ringkamp (Neurosurgery): “Mechanisms of Neuropathic Pain in a Primate Model of SIV-induced Neuropathy”
Yun Guan (Anesthesiology): “Novel Mechanisms in Spinal Pain Processing May Involve Mrg Signaling System”

Sophie Lanzkron (Hematology): “Randomized Study of Patient-controlled Analgesia versus Intermittent Bolus Narcotic Therapy for Adults with Sickle Cell Vaso-occlusive Crisis Treated in the Emergency Acute Care Unit”

Michael Caterina (Biological Chemistry): “Development of a Non-invasive Model of Dental Pain in Mouse”

January 2007

Jennifer Haythornthwaite (Psychiatry): “Patterns of HPA Activation in Patients with Pain Due to Temporomandibular Joint Disorder

Yuan-Xiang Tao (Anesthesiology): “Proteomic Analysis of Protein Expression in Spinal Cord and Brain Following Chronic Morphine Exposure”

Gayle Page (Nursing): “Developing a Model of Persistent Inflammation-induced Neuropathic Pain in Rats”

Noah Lechtzin (Internal Medicine): “Evaluation of Pain in Adults with Cystic Fibrosis”

Stephen Wegener (Physical Medicine and Rehabilitation): “Mechanisms in Variability of Pain During Transient Myocardial Ischemia”

July 2006

Mary Catherine Beach (Internal Medicine): “Respect, Trust, and Pain Management Among Patients with Sickle Cell Disease”

Robert Edwards (Psychiatry): “Development of a Blaustein Psychophysical Pain Testing Core Laboratory”

Kazim Sheikh (Neurology): “Inhibition of Axon Sprouting to Prevent Neuroma Pain”

January 2006

Xinzhong Dong (Neuroscience): “Molecular and Genetic Studies of Pain-sensing Neurons”

Craig Montell (Biological Chemistry): “Molecular Genetic Model of Thermo Sensation”

Michael Caterina (Biological Chemistry): “Activation-dependent Ionic Selectivity Changes in the Heat-gated Ion Channel, TRPV1: a Novel Mechanism of TRPV1 Regulation”

Yuan-Xiang Tao (Anesthesiology): “PKC-dependent Internalization of GluR2 by Persistent Pain”
Robert Stevens (Anesthesiology): “The Safety and Efficacy of IVPCA in the Management of Adult Postoperative Craniotomy Pain: a Prospective, Randomized Controlled Trial”

Donlin Long (Neurosurgery): “Vertebrogenic Pain”

July 2005

Stuart Grossman (Neuro-oncology): “A Randomized Double-blinded Placebo Controlled Crossover Trial Examining the Effectiveness of Modafinil in Opioid-induced Sedation”

Ahmet Hoke (Neurology): “Development of High-throughput Drug Screening for Neuropathic Pain”

Brett Thombs (Psychiatry): “Improving Functional Outcomes Among Patients with Acute Hand Burns Through the Use of Virtual Reality Technology to Enhance Procedural-related Pain Management: a Randomized Controlled Trial”

January 2005


John Griffin (Neurology): “Remak Bundle Structure and Function in Neuropathic Pain”

Srinivasa Raja (Anesthesiology): “Role of μ-Opioid Receptors in the Development and Maintenance of Central Hyper Excitability in Neuropathic Pain”

Stephen Wegener (Physical Medicine and Rehabilitation): “Self-managing the Consequences of Major Lower Limb Trauma: a Feasibility Study”

Shehzad Basaria (Endocrinology): “Effects of Testosterone Replacement on Pain Sensitivity and Pain Perception in Men with Chronic Pain Syndrome”

Paul Worley (Neuroscience): “Molecular Basis of Inflammatory Thermal Hyperalgesia”

Allan Belzberg (Neurosurgery): “Development of the Mouse TNT Model”


Xinzhong Dong (Neuroscience): “Molecular and Genetic Studies of Pain-sensing Neurons”

Yuan-Xiang Tao (Anesthesiology): “PICK1 Expression and Its Modulation of Acid-sensing Ion Channels in the Dorsal Root Ganglion”
July 2004

Beth Murinson (Neurology): “Targeted Disruption of GDNF-dependent Neurons”
Eric Nakakura (Surgery): “A Randomized Controlled Trial of Celiac Plexus Block for Patients with Unresectable and Resectable Pancreatic Cancer”

Jian Hang (Anesthesiology): “Effects of Continuous Lumbar Plexus and Sciatic Nerve Block on Functional Restoration and Outcome After Unilateral Total Knee Arthroplasty”

January 2004


Norman Peterson (Comparative Medicine): “The Development of an Ex Vivo Model to Study the Effect of Pain upon Cancer Cell Growth”

Srinivasa Raja (Anesthesiology): “Laser Doppler Imaging Core Facility”

Yuan-Xiang Tao (Anesthesiology): “Role of PSD-93 in Opioid Tolerance and Physical Dependence”

Estelle Gauda (Neonatology): “Molecular and Cellular Mechanism Mediating Opioid Dependency in the Developing Mouse: Role of AMPA and NMDA Receptors”

Christopher Wu (Anesthesiology): “Medicare Analysis of the Effectiveness of Postoperative Epidural Analgesia: Preliminary Analysis in Preparation for a Randomized Trial”

Marian Kollarik (Immunology): “Acid Modulation of Esophageal Nociceptors”

July 2003

David Johns (Neurosurgery): “The Role of T-cells in the Development of Chronic Pain”

Sanjay Keswani (Neurosurgery): “Effects of Chemokines on Human Nociceptor Survival and Function”

Norman Haughey (Neurology): “Calcium Dysregulation in HIV-1 Protein-induced Peripheral Neuropathy”

January 2003

Yuan-Xiang Tao (Anesthesiology): “Role of Spinal Cord Glutamate Transporter in Chronic Pain”

Myron Yaster (Pediatric Anesthesiology): “The Management of Postoperative Craniotomy Pain: a Prospective Randomized Trial”

Kevin Fontaine (Rheumatology): “Lifestyle Physical Activity and Pain in Knee Osteoarthritis: a Pilot Study”

July 2002

Beth Murinson (Neurology): “Regional Administration of GDNF and Neuropathic Pain”

Kathleen Eaton (Physical Medicine and Rehabilitation): “Efficacy of Electro-acupuncture on Acute Pain Following Total Knee Replacement”

Sophie Lanzkron (Hematology): “Implementation of a Clinical Pathway to Treat Acute Painful Crisis in Patients with Sickle Cell Disease”

Jennifer Haythornthwaite (Psychiatry): “Finger Lesion Pain in Scleroderma”

January 2002

James Campbell (Neurosurgery): “Think Tank Meeting on Neurosurgical Procedures for Pain”

Allan Belzberg (Neurosurgery): “Development of a Novel Animal Model of Neuroma Pain”

Yuan-Xiang Tao (Anesthesiology): “Roles of Different NOS Isoforms in Chronic Inflammatory and Neuropathic Pain”


Srinivasa Raja (Anesthesiology): “The Role of VR-1 Receptors for Incision-induced Hyperalgesia: Behavioral and Electrophysiological Experiments in VR-1 Receptor Knockout and Wild-type Mice”

July 2001

Michael Polydefkis (Neurology): “Bedside Tools to Assess Nerve Fiber Function”

Allan Belzberg (Neurosurgery): “Management of Occipital Neuralgia”

Gayle Page (Nursing): “The Impact of Chronic Neuropathic Pain on Muscle Function and Metastatic Susceptibility”

Lynne Maxwell (Anesthesiology): “A Low-dose Infusion of Naloxone in Pediatric Patient-controlled Analgesia: a Randomized Controlled Trial”
January 2001

Michael Clark (Psychiatry): “The Chronic Pain Experience: Latent Characteristics and Relationships to Depression and Gender”


David Johns (Neurosurgery): “Genetic Suppression of Pain Nociceptive Pathways” (renewal)

July 2000

Badreddine Bencherif (Radiology): “PET Imaging of Placebo Response in Capsaicin Induced Pain”

Michael Caterina (Biological Chemistry): “Analysis of Differential Gene Expression in Mice Lacking the Capsaicin Receptor, VR1”

January 2000

Badreddine Bencherif (Radiology): “Opiate Receptors Imaging in Human Pain Response by PET: Naloxone Amendment”

David Johns (Neurosurgery): “Genetic Suppression of Pain Nociceptive Pathways”

Richard Meyer (Neurosurgery): “Role of Wallerian Degeneration in Neuropathic Pain”

Yuan-Xiang Tao (Anesthesiology): “Specific Coupling of NMDA Receptor Activity to NO Signaling Pathway in Spinal Nociceptive Mechanism by PSD-95/SAP90”

July 1999

Patrick Dougherty (Anesthesiology): “Intracellular Studies of Sensitization in Rodent Dorsal Horn”

Michael Polydefkis (Neurology): “Neuropathic Pain in Restless Leg Syndrome”

January 1999

Jennifer Haythornthwaite (Psychiatry): “Predictors of Chronic Pain and Disability Following Total Knee Replacement”

Allan Belzberg (Neurosurgery): “Ectopic Activity in Painful Human Neuromata: an In Vitro Electrophysiological Study”
Nathan Rudin (Medicine): “Do Fibromyalgia Syndrome, Joint Hypermobility and Neurally Medicated Hypotension Coexist, and Can a Single Therapy Treat All Three?”

July 1998

Ursula Wesselmann (Anesthesiology): “Pain Modulation During Pregnancy”

John Griffin (Neurology): “Macrophages and Tumor Necrosis Factor-\(\gamma\) in Neuropathic Pain: a Proof-of-concept Pilot Study”

Matthias Ringkamp (Neurosurgery): “Identifying Mechanisms and Factors Involved in Nociceptor Excitation by Activated Platelets Using an In Vitro Skin-nerve Preparation”


January 1998

James Frost (Neurosurgery): “PET Imaging of Human Brain \(\mu\)-Opioid Receptors During Capsaicin-induced Pain”

Nathan Rudin (Medicine): “Exploring the Relationship of Joint Hypermobility and Fibromyalgia Syndrome”

July 1997

Justin McArthur (Neurology): “Epidermal Changes in Painful Sensory Neuropathies”

January 1997

Anne Louise Oaklander (Neurosurgery): “Identification of Specific Voltage-gated Sodium Channel \(\gamma\)-subunit Types Increased in Neuropathic Pain”

Jennifer Haythornthwaite (Psychiatry): “Coping Strategies and Multidisciplinary Treatment Efficacy for Chronic Pain”

Ursula Wesselmann (Anesthesiology): “Uterine Pain Pathways”