UTCSP Sponsored Conferences/Lectures/Symposia/Seminars

2020

UTCSP Translational Lecture:
“Advanced Pain Treatment and Prevention for Hospitalized Children” – February 12, 2020
Speaker: Stefan Friedrichsdorf – Children’s Minnesota

2019

UTCSP Trainee Welcome Event – October 2, 2019
Short talks by: Bonnie Stevens, Rob Bonin, Rachael Bosma, Andrea Furlan

UTCSP Translational Lecture:
“Artificial Intelligence in Pain Medicine – Current Insights and Challenges Ahead” – May 1, 2019
Speakers: Pradeep Raamana, Tahir Janmohamed, Mojgan Hodaie

UTCSP Annual Scientific Meeting 2019 – February 28, 2019
The vulnerable pain patient:
- Danielle Ruskin – “Psychological approaches for children with chronic pain”
- Hance Clarke – “Pain in the Opioid Misuse Population”
Trainee Hot Topics:
- Katherine Halievski (Salter Lab) – “Combination antibiotic treatment adversely affects post-incision pain recovery in males but not females”
- Lizabeth Ayoub (Moayedi Lab) – “The medial temporal lobe in nociception: a metaanalytic and functional connectivity study”
- Alborz Noorani (Hodaie Lab) – “The memory of pain? How trigeminal neuralgia pain impacts the structure of the hippocampus”
- Craig Dale – “Show me the pain: Including critically ill patients in pain research”
- Luda Diatchenko - “Understanding chronic pain through genomics and transcriptomics”

2018

UTCSP Annual Scientific Meeting 2018 – February 12, 2018
Panel - Empowering the Patient:
- Rachael Bosma: “Student Education Initiatives”
- Tania Di Renna: “For the Patient, By the Patient”
Trainee Hot Topics:
- Chulmin Cho: “Unraveling the neurobiological mechanisms of conditioned analgesia in chronic pain”
- Abigail D’Souza: “Non-ionotropic NMDA receptor activity contributes to reversal of hyperalgesia and sensitization in pain reconsolidation”
- Natalie Osborne: “Pain and treatment related brain plasticity in carpal tunnel syndrome”
- Sarasa Tohyama: “The role of diffusion tensor imaging in decision making for trigeminal neuralgia”
surgery
- Virginia Yini: “Physical social contact promotes emotional contagion of pain in mice”
- Fiona Webster: “The experience of suffering: learning from patients and families”
- Jeffrey Mogil: “Pain in Mice and Man: Ironic Adventures in Translation”

UTCSP Translational Lecture:
“Translation Regulation in Neuropathic Pain” – August 30, 2018
Speakers: Ted Price, University of Texas

UTCSP Trainee Welcome Event – September 27, 2018
Short talks by: Bonnie Stevens, Rob Bonin, Andrea Furlan

2017

UTCSP Annual Scientific Meeting 2017 – Tuesday, February 28, 2017
- Loren Martin: “Stress, pain and social interactions in mice”

Trainee Hot Topics:
- Errin Acland: “The Effect of Peripheral Nerve-Injury on Depressive and Anxiety-like Behaviors in Mice”
- Abigail D’Souza: “Non-ionotropic NMDA Receptor Signalling Relating to the Long-Term Facilitation in the Spinal Cord Dorsal Horn”
- Peter Hung: Diffusion tensor imaging signatures of chronic facial pain due trigeminal neuralgia
- Anton Rogachov: Reduced low frequency oscillations in the dynamic pain connectome of chronic pain patients with Ankylosing Spondylitis”

Panel: “Maximizing Prevention of Chronic Pain After Surgery”
- Hance Clarke, Joel Katz, Aliza Weinrib

Dr. Sanjeev Arora - “Democratizing Knowledge to Reduce Disparities in Healthcare” – March 3, 2017

UTCSP Translational Lecture:
“Transitioning from Acute to Chronic Pain – Changing Etiology and Treatment”
– April 19, 2017
Speakers: Rob Bonin, Hance Clarke, Kasey Hemington

UTCSP Trainee Welcome Event – September 21, 2017
Short talks by: Bonnie Stevens, Hance Clarke, Andrea Furlan, Rachael Bosma

2016

UTCSP Annual Scientific Meeting 2016 – Tuesday, February 28, 2017
- Robert Bonin: “Reconsolidating memory traces of pain”
- Judy Watt-Watson: Web-based Pain Education: The PEIR Project
- Steven Prescott: “Why are pathological changes in sensory neuron excitability hard to reverse”

Trainee Hot Topics I:
- Rachel Bosma: “Brain and behavioral factors that predict treatment efficacy in chronic pain”
- Keynote: Gillian Hawker: “Busting the Myth that Join Pain in Osteoarthritis is Just Old Age”

Trainee Hot Topics II:
- Husain Shakil: “Effects of Synaptic Disinhibition on Pain Processing”
- Anton Rogachov: “Regional brain signal variability is a novel indicator of brain health for pain sensitivity and coping”
- Gillian Einstein: “What do we know about sex differences in chronic pain: The role of ovarian harmonies”

UTCSP Translational Lecture:
Speakers: Fiona Campbell, David Scanlon, Stephanie Ratte, Sarasa Tohyama

UTCSP Trainee Welcome Event – September 13, 2016
Short talks by: Bonnie Stevens, David Lam, Hance Clarke, Rachael Bosma

2015

UTCSP Annual Scientific Meeting 2015 – Tuesday, February 10, 2015
- Mike Salter: “A surprising twist in neuron-glia signaling in pain neuroplasticity”
- Hance Clarke: “Post-surgical neuropathic pain: The implementation of transitional pain service (TPS) to prevent the transition to chronicity following major surgery”
- Trainee Hot Topics I:
  - Marie-Andree Coulombe: “Functional connectivity of periaqueductal gray sub-regions
  - Josiane Mapplebeck: “Sex differences in the spinal mechanism and underlying neuropathic pain”
- Keynote: Mark Ware, McGill University Health Centre: “The use of cannabinoids in pain management”

Trainee Hot Topics II:
- Chitra Lalloo: “ICanCope with Pain: Applying a user centred design approach to developing and evaluating an integrated smartphone and web-based program for youth and young adults with chronic pain”
- Andrea Furlan: “ECHO Ontario: Improving chronic pain management”

UTCSP Trainee Welcome Event – September 22, 2015
Short talks by: Bonnie Stevens, Hance Clarke, David Lam, Andrea Furlan
UTCSP Translational Lecture:
“Stress, Anxiety, and Pain” – November 10, 2015
Speakers: Loren Martin, Rae Dolman, Brittany Rosenbloom
2014

**Cross Talks** – “**Pain in the Vulnerable Brain**” - January 9, 2014
- **Karen Davis:** “The Brain and Individual Differences in Pain Perception”
- **Steven Miller:** “Pain and the Brain in Preterm Neonate”
- **Jason Lerch:** “Imaging Rapidly Changing Anatomy (and its role in pain)”

**UTCSP Annual Scientific Meeting 2014** – February 25, 2014
- **David Lam:** “Pain in Cancer Patients: Par for the Course? A Surgeon-Scientist’s Notes on Translational Pain Research”
- **Aileen Davis:** “After Total Knee Replacement: The “Pain” of Persistent Pain”
- **Trainee Hot Topics**
- **Keynote:** Ian Gilron, Kingston General Hospital: “Combination Pharmacotherapy for Pain”
- **Simon Beggs:** “Microglia and Pain: Beyond Immunity”

**UTCSP Trainee Welcome Event** – September 23, 2014
Short talks by: Bonnie Stevens, Hance Clarke, David Lam, Andrea Furlan

**UTCSP Translational Lecture**:
“**Personality and Sex Differences in Chronic Pain**” – November 5, 2014
Speakers: David Lam, Josiane Mapplebeck, Marie-Andree Coulombe, Ruma Goswami

2013

**UTCSP Annual Scientific Meeting 2013** – February 26, 2013
- **Jennifer Stinson:** “Pain: There’s an app for that”
- **Mary Ellen Hogan:** “Determining the cost of chronic pain to the Ontario health system”
- **Mike Salter:** “Understanding pain mechanisms: What’s on the horizon?”
- **Aaron Kucyi:** “Human brain networks involved in the intrinsic salience of pain” –
- **Danielle DeSouza:** "Abnormal Peripheral Nerve and Brain White Matter Microstructure in Trigeminal Neuralgia"
- **Ruma Goswami:** “Sensorimotor Recovery, Chronic Pain, and Brain Plasticity Following Surgical Repair of Peripheral Nerve Injuries”
- **Erika Harding:** “Characterization and intracellular imaging of spinal cord lamina I neurons”
- **Gerald Gebhart:** “Visceral pain and hypersensitivity: Is it all in your head?”
- **Emma Duerden:** “Pain sensitivity in adolescents with autism spectrum disorder”
- **Tim Solomons:** “Cognitive modulation of pain: Towards a better understanding of mechanisms”
- **Panel:** Being and Becoming a Pain Researcher
Moderators: Mike Hildebrand and Sheila O’Keefe McCarthy
Panelists: Karen Davis, Bonnie Stevens, Lucy Gagliese

**Mechanisms of Neuropathic Pain: Insights from Animal and Human Research**
– May 22, 2013
- **Kochi Iwata:** “Mechanisms in initiation and maintentance of orofacial pain”
- **Michael Salter:** “What do studies of animal models/dorsal horn tell us about human neuropathic pain pathogenesis?”
- **Bud Craig**: “What are the higher brain centre mechanisms of neuropathic pain and what are the relative contributions of WDR vs NS neurons/lamina 1 vs 5 neurons in neuropathic pain mechanisms?

- **Andres Lozano**: “Thalamocortical processes in neuropathic pain – insights from electrophysiological studies in humans”

- **Karen Davis**: “What are the signatures/biomarkers of neuropathic pain?: Insights from human brain imaging studies”

- **Ze’ev Seltzer**: “To what extent are genetic factors involved in neuropathic pain?: insights from translational studies

**UTCSP Trainee Welcome Event** – October 1, 2013
Short talks by: Colin McCarthy, Hance Clarke

### 2012

**UTCSP Annual Scientific Meeting 2012** – February 28, 2012

- **Ze’ev Seltzer**: “Pain phenomics and genomics”
- **Massieh Moayedi**: "Structural abnormalities in temporomandibular disorders"
- **Joel Katz**: “Sensitivity to Pain Traumatization: A Common Factor underlying Measures of Pain-Related Anxiety”
- **Mona Sawhney**: “Individualized pain education intervention versus usual care following inguinal hernia repair surgery”
- **Min Zhuo**: “Targeting cortical plasticity for the treatment of chronic pain”
- **Mike Hildebrand**: “Functional coupling between BDNF and NMDA receptors in spinal cord lamina I neurons following peripheral nerve injury
- **Mary-Ellen Hogan**: “Vapocoolants for pain reduction in children and adults undergoing venipuncture or venous cannulation"
- **Aaron Kucyi**: "Right and left temporoparietal junctions exhibit different structural connectivity profiles"
- **Sheila O’Keefe-McCarthy**: “Content Validity of the Toronto Pain Management Inventory-Acute Coronary Syndrome (ACS) Version”
- **Jeff Mogil**: “Social Modulation of and by Pain in the Laboratory Mouse.”
- **Michael McGillion**: “Nonischemic Chest Pain Following Successful PCI at a Regional Referral Centre in Southern Ontario”
- **Hance Clarke**: "The perioperative use of Gabapentin and Pregabalin: beyond opioid consumption and acute pain."

**UTCSP Trainee Welcome Event** – September 20, 2012
Short talks by: Bonnie Stevens, Colin McCarthy, Mike McGillion, Sharyn Switzer-McIntyre

**The Rap of Sickle Cell Disease – Cross Talks** - November 7, 2012

- **Kesten Petgrave** – “Live it Up”
- **Melina Cheong** – “Sickle Cell Day Hospital”
- **Bill Zempsky** – “Drowning in a Sea of Pain”

### 2011


UTCSP Trainee Welcome Event – September 27, 2011
Short talks by: Bonnie Stevens, Colin McCarthy, Mike Slater

- Larry Librach, Hanna Kaufman, Barbara Russell,

2009

UTCSP Inter-Hospital Bi-Monthly Pain Rounds
- Philip Peng – “Pudendal Neuralgia and Allan Gordon – “Vulvar Pain and Botulinum Toxin Type A” – February 12, 2009
- Angela Mails – April 16, 2009

UTCSP Pain Day 2009 – December 11, 2009
- Maria Brunello - “The thermal grill illusion from different body regions”
- Tim Salomons - “Perceived controllability modulates the neural and affective response to pain”
- Barry Sessle - “Chronic Pain: Issues and Initiatives”
- Gary Bennett - “Mitotoxicity as the cause of chemotherapy-evoked painful peripheral neuropathy”
- Monica Parry - “Can peer support affect the pain experience of individuals after cardiac surgery?”
- Rob Bonin - “δGABA-A receptors regulate the excitability of spinal neurons and nociception”
- Bonnie Stevens – “Understanding Translation In Knowledge Translation In Pain In Children”

2008


- Pavel Cherkas – “Orofacial Pain Mechanisms: Role of Purinergic Receptors in Trigeminal Central Sensitization”
- Fernando Cervero – “Neuroplasticity and pain: the theory of the evidence”
- Thuan Dao – “An overview of orofacial neuropathic pain”
- Chun Kwan – “Changes in blood spinal cord barrier permeability following peripheral nerve injury”
- Udi Blankstein – “Structural MR imaging of gray matter in Irritable Bowel Syndrome”
- Colin McCartney – “Pain after Surgery: still crazy after all these years!”
2007

Pain and the Older Person National Speaker Series – May–November, 2007
Speakers: Lucy Gagliese, Allan Gordon, David Lussier, Mary Lynch, Patricia Morley-Forster, John Clark, Roger Schick

Jeffrey Mogil – “Pain Genetics and Sex” – March 21, 2007
Lucy Gagliese and Allan Gordon – “Pain Management and the Older Person” – April 25, 2007
Alain Woda – “Is burning mouth syndrome a degenerative neuronal disease that is induced by changes in endogenous steroid?” – May 30, 2007
Geoff Burnstock – “Purinergic Signalling: past, present and future” – June 1, 2007
Allan Gordon – “Putting Neuropathic Pain on the Podium” – October 30, 2007

- Simon Beggs - “Lamina I output changes following nerve injury and microglial stimulation
- Tricia Kavanagh - “Appreciative Inquiry: An Interactive Organizational Intervention to Translate Acute Pain Management Research into Pediatric Nursing Practice”
- Herta Flor - “Fibromyalgia: learning, brain plasticity and treatment implications”
- Allan Gordon – “Management of Central Neuropathic Pain”
- Tina Elahipanah – “Mapping a gene for neuropathic pain in the Pain1 QTL”
- Janet Yamada – “Process Evaluation of Evidence Based Practice, Identification and Change (EPIC) Intervention to Improve Neonatal Pain Practice”
- Judy Watt-Watson – “Pain management after cardiac surgery”

2006

Mike Salter – “Spinal Mechanisms Underlying Neuropathic Pain” and Dr. Angela Mailis - Ethno-Cultural Issues in Pain – MUPPUT - April 20, 2006

Pain and the Older Person Symposium – November 9, 2006
- Gillian Hawker - “Pain in Older Adults with Osteoarthritis
- Debra Weiner - “What Causes Disability in Older Adults with Chronic
- Lucia Gagliese - “Cancer pain, aging and end-of-life care
- Peter Watson - “Postherpetic Neuralgia in Older People”
- Rachel Weisz and Allan Gordon - “Living with Neuropathic Pain”

Min Zhuo – “Genetic and synaptic mechanisms for chronic pain and fear” – MUPPUT - November 23, 2006

UTCSP Pain Day 2006 – December 12, 2006
- Jennifer Stinson - “Construct Validity and Responsiveness of the e-Ouch Electronic Pain Diary for Adolescents with Arthritis”
- Javeria Hashmi – “Temporal dynamics of heat pain evoked sensation”
- Xuejun Liu - "Pimary afferents and TRPV1: more than just sensory function"
- Joel Katz – “Postoperative analgesic and opioid sparing effects of low-dose ketamine”
- **Karen Davis** – “Functional MRI of pain is not the whole story – what can we learn from structural MRI?”
- **Hance Clarke** – “The use of Gabapentin in acute pain and rehabilitation
- **Limor Avivi-Arber** – “Motor Cortex Neuroplasticity Associated with Extraction of the Rat Mandibular Incisor”

**2005**

**Mini-symposium on Pain** – June 17, 2005
- **Luis García Larrea** – “Modulation of acute pain perception by changing emotional context: Is it the sensation or what we recall of it?”
- **Chun Kwan** – “Abnormal rectal physiology, psychophysics and forebrain activity in individuals with irritable bowel syndrome (IBS)?”
- **Long-Jun Wu** – “Forebrain NMDA NR2B receptors in synaptic potentiation and persistent Pain”
- **David Lam** – “Neural mechanisms of joint and muscle pain: A possible role for peripheral glutamate receptor mechanisms”
- **Xuejun Liu** – “A critical role of tyrosine kinase Src in pain sensitization”
- **Ruslan Dorfman** – “Genes for pain in a limb that is lost”
- **Yatam Blech-Herrmoni** – “A conserved gene for chronic pain in rodents”
- **Ulf Baumgartner** – “Laser evoked potentials – basics and clinical applications”

**The Psychosocial Impact of Pain on the Individual and Family** – November 3, 2005
- **Judy Watt-Watson** – “Going Home with Pain After Surgery: The Silent Epidemic”
- **Allan Gordon and Minerva Cook** – “The Pain Makes Me Want to End My Life”
- **Alex Jadad** – “Supportive and End of Life Care in the Age of the Internet: Towards a High-tech High-touch World”
- **Patrick McGrath** – David Fear Memorial Lecture: “Technology’s role in decreasing the impact on the child and family”

**UTCSP Pain Day 2005** – December 15, 2005
- **Keri Taylor** – “Can tactile and pain-related fMRI activation be identified reliably in individual subjects across repeated sessions: Exploration of threshold- and non-threshold-dependent methods”
- **Mike McGillion** – “A psychoeducation trial for people with chronic stable angina”
- **Nicole Carmichael** – “Botox and sumatriptan – can they be used to reduce inflammation?”
- **Mike Salter** – “The emerging role of microglia in neuropathic pain”
- **Lucy Galiese** – “Age-related patterns in cancer pain”
- **Kujumon Vadakkan** – “A behavioral model of neuropathic pain induced by ligation of the common peroneal nerve in mouse”
- **Shihong Zhang** – “Behavioural and electrophysiological evidence for the analgesic efficacy of Ralfinamide – a novel Nav 1.8 channel blocker”

**2004**
Karen Berkley - "Mechanisms of Pelvic Pain in Females" – March 11, 2004
Larry Biggin – “Computerized Thermal Imaging” MUPPUT - April 22, 2004
Lars Arendt-Nielsen – “Pain Assessment: Clinical and Experimental Applications” – April 30, 2004
Koicha Iwata – “Anterior Cingulate Cortex and Pain” – August 25, 2004
Andrew Moore – “Evidence-based Medicine in Pain Assessment and Management” – September 30, 2004

**Pain & the Patient Symposium** – November 3, 2004
- The Patient Advisory Group of the Wasser Pain Management Centre - “Why it is important to treat my pain”
- Roman Jovey – “Using opiates for chronic pain”
- Douglas Gourlay - “Managing pain and addiction”
- Mark Ware – “Does cannabis work for chronic pain?”
- Allan Gordon - “What is neuropathic pain?”
- Ted Robinson - “Cognitive behavioural therapy for chronic pain”

**UTCSP Pain Day 2004** – December 7, 2004
- Jindong Xu – “Regulation of NMDA receptors by c-terminal Src kinase (cks)”
- Victor Cheng – “The GABAergic Tonic Current is Sensitive to Modulation by Gabapentin”
- Rebecca Pillai Riddell – “New Directions in Infant Pain”
- Patricia Orr-Kavanagh – “The Use of Pain Research by Nurses for the Management of Acute Pediatric Pain”
- Shana Ko – “Evidence for the role of CalMKIV in opioid tolerance but not dependence”

**2003**


**UTCSP Pain Day 2003** – December 10, 2003
- David Lam – “Peripheral glutamate receptor mechanisms in tempormandibular joint and muscle pain”
- Judith Hunter – “Phantom limb pain”
- Andrea Furlan – “A critical appraisal of the traditional taxonomy of study design”
- Min Zhuo – “The cingulate cortex and pain”
- Bonnie Stevens – “The management of pain in infants and children with neurological and cognitive impairments”
- **Jackie Bender** – “Improving communication during the management of cancer pain: what do patients want to know?”
- **Makoto Tsuda** – “An ionotropic ATP receptor expressed in spinal microglia contributes to tactile allodynia after nerve injury”

**Mike Salter** - "Microglia - a novel player in neuropathic pain" and **Peter Watson** – "Neuropathic Pain: Pharmacotherapy" – MUPPUT - December 18, 2003

**2002**

**Thuan Dao** - “Pain and Gender” – MUPPUT - February 28, 2002
**Alex Jadad** - “E-Health: Implications for Pain Management and Research” – MUPPUT - April 25, 2002
**Peter Keir** and **Anne Moore** - “Repetitive Strain Injury” – MUPPUT - May 16, 2002
**Dean Tripp** – “Catastrophizing and Acute Posteropative Pain in Athletes” – June 28, 2002
**Min Zhuo** – “Synaptic and genetic analyses of mechanisms for persistent pain and memory: from synapse to behavior” – July 24, 2002
**Anna Taddio** – “Exploring the relationship between acute procedural pain and subsequent pain” – MUPPUT - October 25, 2002
**Brian Cooper** – “Nociceptor Subspecialization in the Dorsal Root Ganglion: E Pluribus 9” – November 13, 2002

**2001**

**Allan Gordon** and **Mary Jane Esplen** – “Neurological and Psychological Aspects of Chronic Pelvic Region Pain” – MUPPUT - January 17, 2001
**Gary Lewin** – “Identifying Molecules in Peripheral and Central Nociception” – Mar. 1, 2001

**UTCSP Pain Day 2001** - March 21, 2001
- **Mike Salter**, Director, UTCSP – Opening Remarks
- **Ursula Wesselmann** - “Chronic pelvic pain – from difficult clinical problem to the development of an animal model”
- **Judy Watt-Watson** - “Interventions in Pain Management”
- **Alan Gordon** – “Research directions at the Wasser Pain Management Clinic”
- **James L. Henry** – “Antisense oligonucleotide knockdown of NK-1 receptors in the study of pain mechanisms”
- **Judy Watt-Watson** – “Pain IPE Week – March 18-22, 2002”
- **Karen Davis** – “fMRI of pain and attention: an update”
- **Angela Mailis** – “Pain research activities at the Comprehensive Pain Program at the Toronto Western Hospital, University Health Network”
- **Jonathan Dostrovsky** – “The thalamus and central pain”
- **Lucia Gagliese** – “Pain in the elderly”
- **Alex Jadad** – “EHealth innovation: implications for pain relief research and education”
- **Weiyang Lu** – “Modulation of visceral pain by the vagal afferent system”

**Ze’ev Seltzer** - "Neurogenetics of pain: from animal models to chronic pain in humans" - April 26, 2001
Ian Meng – “Contribution of the amygdala to cannabinoid analgesia – May 3, 2001
David Andrew – “Spinal chord mechanisms of itch and pain: modality-selective spinothalamic lamina 1 neurons” – May 28, 2001
Ursula Wesselmann – “Reflex Sympathetic Dystrophy: Confusing Symptoms and Puzzling Pathology” – Thursday, June 28, 2001
Martin Koltzenberg – “The Role of Nociceptors in Chronic Pain” – Nov. 20, 2001
Mary Lynch – The Jeffrey Posluns Lecture 2001 - “Cannabinoids in the management of pain: where are we now and where are we going” – December 5, 2001

2000

Ronald Dubner – “Unraveling the Puzzle of Persistent Pain” – February 2, 2000
Lucy Gagliese and Lisa Hamilton – “Pain and Aging” – MUPPUT - February 16, 2000
John Edmeads, Marek Gawel, Barry Sessle, Johnathan Dostrovsky – “Headache: Clinical Perspectives and Basic Science” – MUPPUT April 12, 2000
Siegfried Mense – “Neuroplastic Changes in Spinal Chord Induced by Peripheral Myositis: the Role of NO” – June 6, 2000
Bonnie Stevens – “Neonatal Pain” – MUPPUT - June 7, 2000
Beverly Orser and Dr. Peter Pennefather – “Anaesthesia and Analgesia: Perspectives from Clinical and Basic Science” – MUPPUT - September 20, 2000
Greg Ross – “Antiallodynic Actions of Neurotophin Antagonists” – October 17, 2000
Bjorn Meyerson – “Pain – Friend and Foe” – November 17, 2000
Herman Handwerker – “Novel classes of nociceptors in human skin – implications for the pathophysiology of pain” – November 20, 2000

2000 Posluns Lecture Series – Alan Purdy – November 28-20, 2000:
“Acute Migraine 2000: Where Are We and Where Are We Going”
“Diagnosis and Evaluation of Headache”
“Case Discussion”
“The Pathophysiology of Migraine – A Clinician’s View”
“Two Patients with Challenging Headache Disorders”

1999

Michael Salter – “Molecular Pain Research: Implications for Pain Drug Therapies” MUPPUT – October 13, 1999
Patrick McGrath – “Psychological treatment of pain in children” – Nov. 12, 1999
Allan Basbaum – “The neurochemistry of acute and persistent pain” – Nov. 12, 1999