

Faculty Bios

Faraj Abdallah, MD



Assistant Professor, Department of Anesthesia, University of Toronto; Staff Anesthesiologist, St. Michael's Hospital; Clinician Investigator, Li Ka Shing Knowledge Institute; Masters in Clinical Epidemiology and Research Methodology (Candidate), Institute of Health Policy, Management, and Evaluation, University of Toronto; Research interests: Truncal blocks, analgesia for knee arthroplasty, local anesthetic adjuvants, and ultrasound imaging of the airway.

John Antonakakis, MD



Dr. Antonakakis is an Anesthesiologist in private practice in Portsmouth, New Hampshire. He graduated from the University of Virginia residency program in 2007. He graduated from Dartmouth Hitchcock Medical Center in 2008 with a fellowship in regional anesthesia after working closely with Dr. Brian Sites. He spent one year at the University of Virginia as an Assistant Professor and earned the teacher of the year award for teaching ultrasound guided regional anesthesia. He started a regional anesthesia program at Portsmouth Regional Hospital in Portsmouth, New Hampshire where he has an Orthopedic Regional Anesthesia Program. He also has an active interest in perioperative acute pain management and specifically multimodal pain therapies. Other interests include working out, spending time with his family, reading, and traveling.

Michael Barrington, MB, BS, FANZCA, PhD



Dr Michael Barrington is a Senior Staff Anaesthesiologist at St Vincent's Hospital, Melbourne and Associate Professor at the University of Melbourne. He is responsible for the development of an International Registry of Regional Anaesthesia. Other professional activities and appointments include Anaesthesia Discipline lead for the Melbourne Clinical School, The University of Notre Dame Australia; Associate Editor for the Journal, Regional Anesthesia and Pain Medicine; Chair of the Australian and New Zealand College of Anaesthetists' Regional Anaesthesia Special Interest Group; Organizing Committee for the Australasian Symposium for Ultrasound and Regional Anaesthesia 2008, 2009, 2012, 2015; Newsletter Committee and Neurological Practice

Advisory member for the American Society of Regional Anesthesia and Pain Medicine and is on Medical Expert Standing Panels for the Federal Department of Health and Ageing, Australia.

Manbir Batra, MD, FRCPC

(Distinguished Service Award recipient)



Dr. Manni Batra's anesthesiology training began in the UK and was followed by a penultimate year as chief resident at McGill University in Montreal under the tutelage of Dr. Philip Bromage. His interest in regional anesthesia continued during subsequent collaboration with Dr.'s John Bonica, Daniel Moore and Donald Bridenbaugh while working in Seattle. Epidural anesthesia in the late 1970's was resurging in its applications for surgery, obstetrics and pain management when major safety issues surfaced. In 1980 he published a sentinel paper with Dr. Daniel Moore describing a standard Epidural Test Dose to address the problem. His interests began to increase, and there was a need to train young anesthesiologists in the art and science of neural blockade. He joined ASRA in the early 1980's, and then introduced hands on workshops at the annual meetings. He has revised and updated its policies and procedures, helped increase the reach of the society, and also drew and formalized the society's logo. His long commitment to ASRA culminated with its Presidency in 1995-96. His

forty-three year career has been entirely devoted to teaching not only the science of regional anesthesia, but also the art, which enhances its safety and assures success.

Michael Beach, MD, PhD



Dr. Beach practices pediatric and ultrasound guided regional anesthesia at Dartmouth Medical School. In addition, he is a consulting statistician on wide variety of projects in anesthesiology and in pediatrics.

Adrian Bosenberg, MBChB, FFA(SA)

Current position: Professor Anesthesiology, University Washington Affiliation Pediatric Anesthesiologist; Seattle Children's Hospital Washington; former Director Regional Anaesthesia; Training: Graduated MBChB at University of Cape Town 1973; specialist training in Durban South Africa and New Zealand; Fellow of Faculty Anaesthetists of South Africa 1981; Paediatric Anaesthesia Fellowship in Seattle USA 1983-4. Awards: Honorary member of APA of Great Britain and Ireland, as well as the European Society Paediatric Anaesthesia, in recognition of contribution to pediatric anesthesia worldwide; Currently: Sub Editor Paediatric Anaesthesia Journal; Executive member of Paediatric Pain SIG group of IASP; Editorial Advisory Board SA Journal of Anaesthesia and Analgesia and Paediatric Anaesthesia Journal; Member ASRA, Life member ESRA, Council RAPSA; WFSA: Member Paediatric Anaesthesia Sub Committee.



Chad Brummett, MD



Dr. Brummett is the Director of the Division of Pain Research and the Director of Clinical Research in the Department of Anesthesiology. His interests include predictors of chronic post-surgical pain as well as failure to derive benefit from interventions and surgeries done primarily for pain. In particular, the impact of a fibromyalgia-like or centralized pain phenotype on surgical outcomes and prediction of response to interventions for chronic pain (e.g. Epidural steroid and facet injections). He also leads an institution-wide initiative to create a biorepository for research of genetic factors associated with the development of disease and response to treatment. Dr. Brummett was the first to describe the use of peripheral perineural dexmedetomidine, and his early research focused on the efficacy, safety and mechanisms of dexmedetomidine added to local anesthetics for peripheral nerve blocks. He has since translated that work to humans.

Chester "Trip" Buckenmaier, MD



Colonel (ret) Chester "Trip" Buckenmaier III is the Program Director and Principal Investigator for the Defense & Veterans Center for Integrative Pain Management (DVCIPM), Program Director Emeritus of the National Capital Consortium's Regional Anesthesia Fellowship Program at Walter Reed National Military Medical Center (WRNMMC), Professor in Anesthesiology at the Uniformed Services University of the Health Sciences (USUHS) and a Diplomat, with the American Board of Anesthesiology. He attended Catawba College, on a Reserve Officers' Training Corps (ROTC) scholarship, graduating with a degree in Biology in 1986. He then attended East Carolina University in Greenville, N.C., receiving a Master in Science in Biology in 1988. In 1992, he graduated from the Uniformed Services University of the Health Sciences in Bethesda, Maryland, completing his Anesthesia Residency at Walter Reed Army Medical Center. In addition, he completed a one year Fellowship in Regional Anesthesia at Duke University in 2002, resulting in the creation of the only Acute Pain Medicine Fellowship in the Department of Defense, based at Walter Reed. In September 2003, he deployed with the 21st Combat Support Hospital to Balad, Iraq, and demonstrated that the use of advanced regional anesthesia can be accomplished in a forward deployed environment. He performed the first successful continuous peripheral nerve block for pain management in a combat support hospital. In April 2009, he deployed to Camp Bastion, Afghanistan with the British military and organized the first acute pain service in a theatre of war.

John Butterworth, MD



Dr. John Butterworth is Professor and Chairman of the Department of Anesthesiology at Virginia Commonwealth University (VCU) School of Medicine in Richmond, Virginia. He formerly served as the R. K. Stoelting Professor and Chairman of the Department of Anesthesia at Indiana University School of Medicine in Indianapolis, IN. He graduated from the VCU School of Medicine and completed his residency in anesthesiology at the Brigham and Women's Hospital in Boston, MA. He completed a research fellowship in neurotrauma in the Division of Neurosurgery at VCU School of Medicine, and another in local anesthetic pharmacology at the Brigham and Women's Hospital in Boston. He is one of three authors of Morgan and Mikhail's Clinical Anesthesiology (5th edition). He has served on the associate editorial board of Anesthesiology and on the editorial boards of Regional Anesthesia and Pain Medicine and of Anesthesia and Analgesia. He serves on the Boards of Directors of the American Society of Regional Anesthesia and Pain Medicine and the Medical Society of Virginia, and on the Boards of Trustees of the Richmond (Virginia) Academy of Medicine and the International Anesthesia Research Society.

Asokumar Buvanendran, MD



Dr. Buvanendran is an anesthesiologist specializing in Pain Medicine, and his academic activities are divided between research, teaching and clinical duties in the Rush University Department of Anesthesia (Chicago, IL USA), and national advocacy for the advancement of pain care. He brings a unique perspective of a very busy clinical practice of acute and chronic interventional pain medicine with research. He is involved in various clinical and basic research in the field of acute and chronic pain. At leisure time, enjoys playing tennis.

Vincent Chan, MD, FRCPC, FRCA



Dr. Vincent Chan received a Bachelor of Science degree (Biochemistry, Honors) in 1976 and his MD degree in 1980 from McGill University, Montreal. Dr. Chan obtained postgraduate training in Anesthesiology at University of Toronto, Toronto and board certification (FRCPC, Anesthesia) in 1986. He is currently Immediate Past President of the American Society of Regional Anesthesia and Pain Medicine. In 2009, he has been awarded the Gold Medal Award by the Canadian Anesthesiologists' Society, the highest personal award in recognition of his contribution to anesthesia in Canada. In 2011, he was conferred with the award of the FRCA Fellowship by Election by the Royal College of Anaesthetists (UK). In May 2013, he received the International Anesthesia Research Society (IARS) Teaching Recognition Award for Achievement in Education. In October 2013, he received the Distinguished Service Award from European Society of Regional Anesthesia and Pain Therapy (Spain) for outstanding clinical, educational and scientific achievements in anesthesiology. Dr. Chan also serves on the editorial board of the Anesthesia Analgesia Journal and Regional Anesthesia Pain Medicine Journal.

Ki Jinn Chin, MBBS, FANZCA, FRCPC



Ki Jinn Chin, MBBS (Hons), MMed, FANZCA, FRCPC, is the Fellowship Coordinator and Regional Anesthesia Program Director at the Toronto Western Hospital, and holds the position of Associate Professor in the Department of Anesthesia at the University of Toronto. He attended medical school at the University of Newcastle-upon-Tyne, U.K., and completed his residency in anesthesiology in Singapore. He subsequently completed two subspecialty fellowships in Canada; the first in neuroanesthesia at the University of Western Ontario in London, ON, and the second in regional anesthesia at Toronto Western Hospital. He is passionate about ultrasound-guided regional anesthesia, but is especially interested in ultrasonography of the spine and teaching needle handling and injection techniques.

Stephen Choi, BSc, MSc, MD, FRCPC



Dr. Choi obtained his MD from the University of Western Ontario. He then completed an anesthesia residency at the University of Toronto in 2010 followed by a regional anesthesia fellowship. He has also completed an MSc in Health Research Methodology (specialization - clinical epidemiology) from McMaster University. He is appointed as an Assistant Professor in the Department of Anesthesia, Faculty of Medicine, University of Toronto. His clinical practice is based at Sunnybrook Health Sciences Centre, a tertiary care academic health sciences centre fully affiliated with the University of Toronto. Sunnybrook HSC is a level 1 trauma centre (primary referral centre for the region) as well as an orthopedic centre of excellence.

Lawrence Chu, MD, MS



Larry Chu is a practicing anesthesiologist who runs the Anesthesia Informatics and Media (AIM) lab at Stanford University. He is an associate professor of anesthesia on the faculty of the Stanford University School of Medicine. Dr. Chu teaches three courses at Stanford University: Engage + Empower Me (a patient engagement design course), Design for Health (applying design innovation to improve healthcare), and Medical Education in the New Millennium (challenges and opportunities for innovation and digital disruption). He collaborates with researchers in simulation and computer science at Stanford to study how cognitive aids can improve medical team performance in a crisis. Dr. Chu has received several NIH grants to study opioid-induced hyperalgesia. Most recently he has received an RO1 grant from NIDA to study opioid physical dependence, opioid withdrawal and the role 5HT3-receptor antagonists may play in treatment of these disorders.

Joseph P. Cravero, MD



Dr. Joseph P. Cravero, having graduated from UVA School of Medicine, trained and worked initially as a pediatrician for 4 years in the army. He later completed his anesthesiology residency at the Hartford Hospital/University of Connecticut. Shortly after his arrival at DHMC, he became Director, Pediatric Anesthesiology and founded the new sedation service, PainFree at Children's Hospital at Dartmouth (CHaD). He developed and directed the Pediatric Perioperative Program, which manages all perioperative programs in children from preadmission counseling to discharge planning at DHMC. In 2012 Dr. Cravero left DHMC for Boston Children's Hospital (BCH) where he is the Milton H. Alper Chair, Pediatric Anesthesiology and Director of Perioperative Outcomes. His research and academic pursuits have primarily revolved around evaluating the best way to deliver anesthesia, sedation and pain control services to children. He founded and directs the Pediatric Sedation Research Consortium, and he recently created the Society of Pediatric

Anesthesiology Improvement Network.

Jose De Andrés, MD, PhD, FIPP, EDRA



Qualified from the School of Medicine of the Valencia University. Current Positions and responsibilities include: Professor of Anaesthesiology of the Valencia University School of Medicine. Chairman of Anaesthesia, Critical Care and of the Multidisciplinary Pain Management Departments in the Valencia University General Hospital (Valencia, Spain). European Society of Regional Anesthesia and Pain Therapy (ESRA): President in the board of directors. Associate editor in the Journal "Regional Anesthesia and Pain Medicine", Editor of "Pain Practice", Associate Editor of "The Clinical Journal of Pain", Associate Editor of "European Journal of Pain-Supplements". Examiner in the exams of the European Diploma of Anaesthesia (EDA) of European Society of Anaesthesia (ESA); European Diploma of Regional Anaesthesia (EDRA) of European Society of Regional Anesthesia and Pain Therapy (ESRA), and Fellow of Interventional Pain Practice (FIPP) of World Institute of Pain (WIP).

Oscar de Leon-Casasola, MD



Dr. Oscar de Leon-Casasola is Vice-Chair for Clinical Affairs and Professor of Anesthesiology (Tenure Track), Department of Anesthesiology, and Professor of Medicine at the University at Buffalo, School of Medicine and Biomedical Sciences. He is also Chief of the Division of Pain Medicine and Professor of Oncology at Roswell Park Cancer Institute, Buffalo, NY. He was the Editor-in-Chief of the Journal Techniques in Regional Anesthesia and Pain Management from 2000 to 2011. He served in the Editorial Board of Seminars in Pain Medicine, Journal of the Spanish Society of Pain, and the Journal of the Argentinean Society of Anesthesiologist. He received his medical training at the Universidad de San Carlos de Guatemala after obtaining a degree in Music with Specialty in Piano. He underwent surgical residency SUNY at Downstate, then anesthesia residency at SUNY-Buffalo. He is board certified in Anesthesiology, Critical Care Medicine and Pain Management. He was Director of the Acute Pain Service, Director of the Surgical

Intensive Care Unit, and Chief of Critical Care Medicine at Roswell Park Cancer Institute. Dr. de Leon-Casasola is a member of the Board of Directors of the American Society of Regional Anesthesia and Pain Management and President-Elect. He has served as Chair of the Scientific Committee for ASRA's pain meeting. He is a member of the Pain Medicine Committee of the American Society of Anesthesiologist and the National Comprehensive Cancer Network, Adult Cancer Pain Panel. He served as Chair of the Regional Anesthesia Committee of the ASA until 2010. He served as a member in the Task

Force of the ASA that created the Society's Guidelines for the treatment of Chronic Pain Management, published in 2010 and currently serves as the Co-Chair of the Committee drafting the Acute Pain Guidelines for the ASA and the American Pain Society.

Melanie Donnelly, MD



Dr. Donnelly is currently faculty at the University of Colorado and part of the Acute Pain Service. She recently left the University of Wisconsin where she practiced for 6 years as an active member of the resident teaching faculty, Acute Pain Service and Regional Team. She completed fellowship at the University of Florida in Acute Pain and Regional Anesthesia and prior to that completed her residency at Dartmouth-Hitchcock Medical Center.

Anish Doshi, MD



Dr. Doshi has completed his residency in anesthesiology at the University of Miami - Jackson Memorial Hospital and is currently a chronic pain medicine fellow physician at the University of Texas - MD Anderson Cancer Center. He currently serves as the chair of ASRA's resident section committee and oversee and leads all RSC affairs.

Marcel E. Durieux, MD, PhD



Dr. Durieux serves as Professor of Anesthesiology and Neurological Surgery at the University of Virginia. A graduate of the School of Medicine at the University of Leiden (The Netherlands), he also holds a PhD from the University of Maastricht (The Netherlands). He completed his residency in anesthesiology and a fellowship in molecular pharmacology at the University of Virginia, prior to joining the faculty there in 1994. For the next 6 years he directed an active basic science research program, focused primarily on the effects of general and local anesthetics on receptor functioning. In 2000, he was recruited as Chair to the Department of Anesthesiology at the University of Maastricht, The Netherlands, where he continued his basic science research. During this period, he was the recipient of approximately \$1 million in grant funding. In 2004, Dr. Durieux returned to the University of Virginia to focus on clinical research. Most of his studies are designed to test the findings obtained in his basic science models in the clinical setting. He served as Director of Neuroanesthesia at the University of Virginia, and holds a joint appointment in the Department of Neurological Surgery.

Claude Ecoffey, MD



(2009-2014).

Prof. Claude Ecoffey is currently Professor and Chair of the Department of Anesthesiology, Intensive Care medicine and Pain Medicine at the University Hospital of Rennes, France (since 1996). He received his specialty training in anesthesiology and intensive care at the Paris University, France (1980-1984). He is board certified in anesthesiology and critical care medicine, and pediatrics and was awarded professorship in anesthesiology and critical care medicine in 1990. He is involved in the SOS French Regional Anesthesia Hotline service since 1998. Claude Ecoffey is the President elect of the French Society of Anesthesia and Intensive Care medicine (2014-2015), and he has been President of the French Language Society of Paediatric Anaesthesiologists (ADARPEF, (2001-2004). He has been member elect of former council European Society of Anaesthesiologists (2000-2003), member of executive committee European Society for Paediatric Anaesthesiology (2005 -2009), and the French Zone Representative in the European Society of Regional Anesthesia Board

James Eisenach, MD



Dr. Eisenach is a clinician-scientist with focus on the study and treatment of acute and chronic pain. Following an obstetric anesthesia fellowship in 1985 he has been a faculty member at Wake Forest School of Medicine, where he is currently the FM James, III Professor of Anesthesia. He is the current Editor-in-Chief of Anesthesiology and former President of ASRA.

Francesca Kayser Enneking, MD



Dr. Enneking is a long time member of ASRA and faculty member at the University of Florida. Her roles have ranged from Medical Director to Chair of the Dept. of Anesthesiology and of the UF Board Quality Committee. Currently she is directing the UF Perioperative Coordinated Care project. Her interests are in perioperative analgesia, patient safety, and systems level practice improvement. She recently finished a yearlong Improvement Advisory program at the IHI.

Katharine Fleischmann, MD



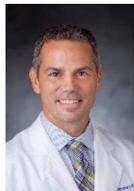
Dr. Fleischmann has been a member of ASRA for many years and has been actively involved in teaching workshops and lecturing. She is committed to teaching the next generation of anesthesiologists to practice safe, evidence-based anesthesia with a focus on ultrasound-guided regional anesthesia. She has been involved in the development of a large regional block service at the Massachusetts General Hospital. This has enabled the MGH residents to have a broad clinical experience and an intensive academic experience. Dr. Fleischmann has been involved in the development of the MGH Regional Anesthesia and Acute Pain fellowship which started in July, 2013, and has enabled the MGH regional team to further educate anesthesia trainees to perform regional anesthesia in a thoughtful, skillful and evidence-based manner. Dr. Fleischmann has a passion for global health and has been involved in teaching and practicing anesthesia in Zimbabwe and Uganda and Western Kenya.

Carlo Franco, MD



Current positions: Chairman Regional Anesthesia, JHS Hospital of Cook County Chicago; Professor Anesthesiology and Anatomy, Rush University Medical Center, Chicago, Illinois. Degree in General Surgery and Anatomy from the University of Valparaiso in Chile. Immigrated to the USA in 1985. Visiting Professor Anatomy at the Medical College of Ohio in Toledo, Ohio 1985-86 and 1988-89. Anesthesiology Residency, Sinai Hospital of Detroit, Detroit, MI, 1990-94. Recruited to Cook County Hospital of Chicago (now JHS Hospital of Cook County) by Dr. Alon Winnie in 1994. Introduction of some new anatomy-based nerve block techniques.

Jeffrey Gadsden, MD, FRCPC, FANZCA



Jeff Gadsden is a staff anesthesiologist at Duke University Hospital. He graduated with an MD in 1999 from Queen's University, Canada, and undertook training in anesthesiology at the University of Toronto and St. Luke's-Roosevelt Hospital in New York City. Dr. Gadsden holds fellowships with the Royal College of Physicians and Surgeons of Canada (Anesthesia) and the Australian and New Zealand College of Anaesthetists, and is board certified by the American Board of Anesthesiology. After working in both Canada and Australia, he decided to return to the U.S. to focus on his teaching and research interests of ultrasound-guided nerve blockade, the monitoring of regional anesthesia, trauma, and education.

Ralf Gebhard, MD



Ralf E. Gebhard M.D. is Professor of Anesthesiology and Chief of the Division of Regional Anesthesia and Acute Pain Management in the Department of Anesthesiology at the University of Miami-Miller School of Medicine in Miami, Florida. He is also the Director of the Fellowship Program in Acute Pain Management and Regional Anesthesiology. After completing his medical training and his anesthesia residency in Germany, Dr. Gebhard joined the Anesthesiology Department at the University of Texas-Health Science Center Houston in 1998. The University of Miami, Miami-Florida, recruited Dr. Gebhard in 2006 to head up the Division of Regional Anesthesia. He has published numerous articles and book chapters regarding regional anesthesia topics and has lectured intensively nationally and internationally. Dr. Gebhard's research interest focuses on the avoidance of complications of regional anesthesia techniques and the evaluation of new technologies in regional anesthesia and acute pain management.

John George, MD



Dr. George is a staff Anesthesiologist at The Cleveland Clinic, and has been on staff for 4 years. He trained at The Cleveland Clinic for residency, and completed a 1 year Regional Anesthesia fellowship there as well. He is one of the rotating staff on their Acute Pain service, and is one of the co-chairs for the hospital's Pain Management Committee that is tasked with assessing and developing methods of improving patient pain scores which they pull from HCAHP scores from all areas of the hospital. His interests include the effects of regional anesthetics on cancer outcomes and recurrence, cadaver-based educational workshops, and methods to improve the technical aspects of placing peripheral nerve blocks. He is also a member of the user's group for the ABA's redesign of the MOCA program.

Andrew Gray, MD, PhD



Dr. Andrew Gray is Professor of Clinical Anesthesia at the University of California, San Francisco where he directs the regional anesthesia program at San Francisco General Hospital. He has written over 20 articles on ultrasound guided regional anesthesia, two textbooks, and now pursues investigations on safety with the help of the Carl Koller Research Award from the American Society of Regional Anesthesia and Pain Medicine.

James Green, MBBS ncl UK



Dr James Stewart Green, MBBS, ncl UK, Clinical Assistant Professor. Completed medical school and then postgraduate training in Anesthesia in the UK (Newcastle-u-Tyne and Glasgow) before fellowship training in Regional Anesthesia under the guidance of Ban Tsui. Currently practicing as a clinical anesthetist at the University of Alberta Hospital, Edmonton, Alberta, Canada with specialist clinical interests in regional anesthesia and neuroanesthesia. Research interests include anesthesia and cancer survival, regional anesthesia, and ultrasound of the head and neck.

Carrie Guheen, MD



Dr. Carrie R. Guheen is a Board Certified Anesthesiologist, who completed her residency at Weill Cornell Medical College, where she served as Chief Resident in her final year. Upon completing her residency, she spent one year as a HSS Regional Anesthesia and Acute Pain Medicine Fellow. During Dr. Guheen's Fellowship she worked on a number of educational initiatives. As an Attending Anesthesiologist, she continues to be very involved in resident and fellow education both at HSS and at national meetings throughout the year. She is a member of the Department's dedicated Spine Team.



Admir Hadzic, MD, PhD

Dr. Hadzic has substantially contributed to the development of functional regional anesthesia anatomy, standardized techniques of nerve blocks, understanding of outcome benefits of regional anesthesia, and monitoring principles to improve the safety of regional anesthesia. He is a founder of global educational programs, NWAC, Networking World Anesthesia Convention and NYSORA, The New York School of Regional Anesthesia, an organization with readership of 12,000 weekly. With NYSORA's philanthropic ESOP Program, Dr Hadzic has substantially contributed to the development of regional anesthesia throughout the world. His latest endeavor is Anesthesiology Network, a professional network for anesthesiologists that aims to connect clinicians in operating rooms worldwide (<http://www.anesthesiology-network.com/>). In his spare time, Dr Hadzic is an avid photographer (<http://admophotography.zenfolio.com/>) and leads a blues-rock band "Big Apple Blues" (www.bigappleblues.com) which has toured

worldwide.

Neil Hanson, MD



Dr. Hanson is currently on faculty at the Virginia Mason Medical Center, where he also completed a fellowship in Regional Anesthesia after residency at Duke University. He is first author on several papers reporting on efficacy trials involving adductor canal blocks and the anatomic evaluation of ultrasound guided brachial plexus blocks. His current research interests continue to focus on clinical studies with evaluation of large-scale outcomes involving regional anesthesia.

Brian Harrington, MD



Dr. Harrington trained at Virginia Mason Medical Center in Seattle, has been in practice for over 20 years at the Billings Clinic Hospital in Billings, Montana. Special interests include analysis of the practical aspects of providing regional anesthesia in the community practice setting, including the acquisition and maintenance of skills in regional techniques.

T. Kyle Harrison, MD

T. Kyle Harrison, MD, is a Clinical Associate Professor of Anesthesiology, Perioperative and Pain Medicine at Stanford University School of Medicine (affiliated-VAPAHCS). He graduated from Stanford University School of Medicine in 1999 and completed both his anesthesiology training as well as a fellowship in medical simulation and crisis management at Stanford University in 2004. He joined the anesthesia staff at the VA Palo Alto in 2004. His professional interests include cardiac anesthesia, regional anesthesia, and perioperative medicine. In addition to his clinical duties, he is also an associate program director for the anesthesia residency training program at Stanford University.

James Hebl, MD



Dr. James R. Hebl is Professor of Anesthesiology and Vice-Chair, Mayo Clinic Department of Anesthesiology (Rochester, Minnesota). He graduated with a Bachelor of Science degree from Saint John's University in Collegeville, Minnesota, in 1991; and received his Doctor of Medicine degree from the University of Minnesota School of Medicine in 1995. Dr. Hebl completed his Internship, Anesthesiology Residency, and Regional Anesthesia fellowship at Mayo Clinic (Rochester, Minnesota). He is Board Certified with the American Board of Anesthesiology and is currently Chair of the Mayo Clinic Department of Anesthesiology Division of Community Anesthesiology (consisting of 18 hospitals); and the Clinical Practice Chair for Mayo Clinic Hospital. His research interests include neurologic and infectious complications associated with regional anesthesia, regional anesthesia & analgesia and perioperative outcomes, and clinical pathways for patients undergoing joint replacement surgery.

Michael Herrick, MD



Undergraduate: College of the Holy Cross Worcester, Massachusetts; Medical School: Tufts University School of Medicine; Anesthesia Residency: Dartmouth; Regional Fellowship: Dartmouth 2011-2012; Director of Regional Anesthesia at Geisel School of Medicine at Dartmouth: 2013-Present; Research interests include evaluation tools and education for procedural skills and patient safety monitoring on inpatient hospital wards.

Terese Horlocker, MD



Professor of Anesthesiology and Orthopedics, Mayo Clinic College of Medicine; Section Editor, Regional Anesthesia and Pain, Anesthesia & Analgesia 2004 – present; America Society of Regional Anesthesia and Pain Medicine: CME Committee Chair 2011-present, Labat Award 2011, Distinguished Service Award 2009; President 2003-2005.

Jean-Louis Horn, MD



Currently a Professor at the Stanford University Medical Center since July 1, 2013 when I left Oregon Health and Science University after 13 years of leadership in Regional Anesthesia and Acute Pain Management. I created and led the regional anesthesia division into a very productive clinical, research and education group. In the clinical arena, I have restructured the practice of regional anesthesia and acute pain management with the introduction of a new curriculum and the creation of a new fellowship program. I developed a curriculum that applies increasingly more advanced concepts and techniques as resident education progresses. I am keeping the program at the cutting edge by constantly updating our practice and teaching methods to keep up with the rapid progress in regional anesthesia. I am also actively involved with premedical education and have participated in the Health Careers Opportunity Program for minority students, which is a federally funding program.

Steven Howard, MD



After anesthesia residency training at Stanford, Dr. Howard spent a year in fellowship training in patient safety and simulation. Most of my academic work has been in the field of realistic patient simulation and measuring the effect of fatigue on health care personnel. I am the Director of Clinical Research for the Anesthesiology and Perioperative Care Service at the VA Palo Alto Health Care System. I am Co-Director of the Patient Simulation Center of Innovation at VAPAHCS where we regularly perform simulation-based training exercises for medical students, house staff, nurses, and allied healthcare personnel. The Simulation Center at VAPAHCS also serves as the satellite facility for SimLEARN the national Veterans Affairs simulation program and is an American Society of Anesthesiologists endorsed center for the teaching of Maintenance of Certification in Anesthesiology (MOCA). I have developed and taught simulation curricula during the whole of my 20 year academic career. I co-developed crisis resource management curricula that are now taught routinely to health care practitioners around the globe.

Marc Huntoon, MD



Dr. Huntoon has been an officer for ASRA in past years, served on multiple program committees, and chaired the Education Committee. He currently serves as Editor-In-Chief of the ASRA journal, RAPM. Professor; Chief, Division of Pain Medicine Vanderbilt University Medical Center. Education & Training: Fellowship, Pain Management, Naval Medical Center, Portsmouth, VA (1992); Residency, OB Anesthesia, Wake Forest University, Winston Salem, NC (1990); Residency, Anesthesiology, Naval Medical Center, Portsmouth, VA (1991); Transitional Internship, Wayne State University, Detroit, MI (1986); MD, Wayne State University School of Medicine, Detroit, MI (1985); BS, Alma College, Alma, MI (1981).

Barys Ihnatsenka, MD

(Koller Grant Update)



Dr. Ihnatsenka started his career in anesthesia and Critical care in 1995 when graduated from medical school in Belarus. In 2001 he moved to the United States. In 2005 he started residency training at the University of Florida, where he also completed his fellowship in Regional Anesthesia and acute pain medicine. Since graduation, he has been a faculty at the University of Florida. He is interested in education and simulation especially in regional anesthesia.

Brian Ilfeld, MD, MS



Dr. Ilfeld completed medical school and residency in Anesthesiology at the University of California at San Francisco, followed by a fellowship in regional anesthesia at the University of Florida. His primary research interest involves clinical investigation towards improving perioperative analgesia using regional anesthetic techniques. He earned a Masters Degree of Medical Sciences in Clinical Investigation (supported by an NIH K30 award). He was granted a Mentored Research Training Grant from the Foundation of Anesthesia Education and Research and a K23 Mentored Career Development Award from the National Institutes of Health. He subsequently assembled and currently directs the PAINfRE group of investigators which design and implement multicenter clinical trials involving ambulatory perineural local anesthetic infusion. His most-recent research endeavor involves treating phantom limb pain with ambulatory continuous peripheral nerve blocks, and is funded with a \$2.6-million grant from the Department of Defense.

Giorgio Ivani, MD



Chairman Division Pediatric Anesthesiology and Intensive Care; Regina Margherita Children's Hospital, Turin, Italy; Professor, Pediatric Anesthesia at University of Turin, Italy; ESRA Past President; More than 100 papers on peer review journals; Editor of chapters and books on pediatric regional anesthesia and pain.

Adam Jacob, MD



Adam graduated from Rose-Hulman Institute of Technology in Terre Haute, Indiana with a Bachelor of Science in Mechanical Engineering in 1996 and a Master of Science in Biomedical Engineering in 1999. He received his Doctorate of Medicine from Indiana University in 2002. He completed a residency in anesthesiology at the Mayo Graduate School of Medicine in 2006. He was honored with a 2 year appointment as a Mayo Foundation Scholar where he completed a fellowship in regional anesthesiology and Certificate in Clinical Research. Adam is currently an Assistant Professor of Anesthesiology at Mayo Clinic in Rochester, where his clinical duties are balanced between inpatient and outpatient surgical practices as well as obstetrical anesthesia.

Rebecca Johnson, MD



Dr. Rebecca (Becky) Johnson is an Assistant Professor of Anesthesiology at Mayo Clinic in Rochester, MN, Fellowship-Trained in Regional Anesthesia and Acute Pain Management. Becky has been active in ASRA since 2008, serving as Resident Section Chair-elect followed by the Chair of the Resident Section Committee from 04/2010- 04/2011. She has been a part of ASRA faculty since 2011 and has participated in the Newsletter Committee, Resident Section Committee, Communications Committee, Membership Committee, Fall and Spring Planning Committees. Additionally, Becky has received a Certificate in Clinical and Translational Science from Mayo Clinic and is among a select group of Mayo Clinic faculty to be appointed as a Health Care Delivery Scholar since July 2014.

Zeev Kain, MD, MBA



Zeev N. Kain is a Chancellor's Professor of Anesthesiology & Pediatrics & Psychiatry and the Chair of the Department of Anesthesiology & Perioperative Care at UC Irvine Health. Dr. Kain completed residency training in Pediatrics and Anesthesiology, a fellowship in Pediatric Anesthesia and was received an MBA from Columbia University. After 19 years at Yale University he joined UC Irvine Health in 2008. About 3-years ago Dr. Kain became very interested in the Perioperative Surgical Home, and has subsequently been instrumental in implementing PSH at UC Irvine Health. He established the annual summit on the Perioperative Surgical Home and is a member of the steering committee of the newly launched 43 hospital collaborative on this topic. His training in Lean Six Sigma and his MBA and his management background have enabled him to embark on the quest to make the Perioperative Surgical Home ubiquitous at UC Irvine Health and to help bring this care model to institutions nationally.

Sachin Kheterpal, MD, MBA



Dr. Kheterpal is an Associate Professor of Anesthesiology at the University of Michigan Medical School. He received his Bachelor of Science, Doctorate of Medicine, and Master in Business Administration from the University of Michigan. Prior to a clinical anesthesiology career, he was the lead architect of a leading commercially available clinical information system—General Electric Centricity®. He led the global clinical information system product development and mergers and acquisitions team at GE Healthcare IT. Dr. Kheterpal brings nearly two decades of informatics, software development, and business administration experience to perioperative outcomes research. He is the principal investigator of the multicenter perioperative outcomes group (MPOG). He is recognized as a national leader in perioperative large dataset clinical research. Using innovative techniques to integrate administrative, electronic health record, and registry data across institutions, Dr. Kheterpal has helped create the MPOG centralized research database, with nearly 3 million perioperative records with risk adjusted long term outcome data and detailed clinical intervention data. He is also

the project director of the Blue Cross Blue Shield-funded Anesthesiology Performance Improvement and Reporting Exchange (ASIRE).

Sandra Kopp, MD



Dr. Sandra L. Kopp is an Associate Professor of Anesthesiology at Mayo Clinic, Rochester, Minnesota. She graduated with a B.A. from St. Olaf College in Northfield, Minnesota in 1993 and received her Doctor of Medicine degree from the University of Minnesota School of Medicine in 1999. Dr. Kopp did her Internship, Anesthesiology Residency, and Regional Anesthesia fellowship at Mayo Clinic, Rochester, MN. Dr. Kopp is currently the Program Director of the Regional Anesthesia Fellowship Program and very involved in the American Society of Regional Anesthesia and Pain Medicine. Her interests include regional anesthesia and analgesia, anticoagulation, and local anesthetic toxicity.

Per-Arne Lonnqvist, MD



Graduate of Karolinska Medical School 1982 and Specialist Diploma 1988. PhD regarding Paediatric Regional Anaesthesia with special reference to the use of paravertebral blockade in children 1996, Associate Professor 1997. Staff member of the Department of Paediatric Anaesthesia & Intensive Care, Karolinska University Hospital, since 1989. Professor of Paediatric Anaesthesia, Section of Anaesthesiology & Intensive Care, Department of Physiology & Pharmacology, Karolinska Institute 2007. Currently President of the Swedish Association for Regional Anaesthesia and Swedish ESRA representative. Editorial Board Member of British Journal of Anaesthesia & Section Editor of Pediatric Anesthesia.

Danielle Ludwin, MD



Danielle B. Ludwin is an associate professor of anesthesiology at Columbia University College of Physicians & Surgeons and the associate regional anesthesia fellowship director. She graduated from Tulane University and received her medical degree from Robert Wood Johnson Medical School. She completed her anesthesiology residency at Weill Cornell Medical College and a fellowship in regional anesthesia at Hospital for Special Surgery. Dr. Ludwin is a member of the Virginia Apgar Academy of Medical Educators at Columbia University Medical Center and a member of the Arnold P. Gold Humanism in Medicine Society.

Edward Mariano, MD, MAS



After graduating from Georgetown University School of Medicine, he completed his anesthesiology residency at Stanford University Medical Center and pediatric anesthesiology fellowship at Stanford University Medical Center/Lucile Packard Children's Hospital with emphases on clinical investigation and regional anesthesiology and acute pain medicine for children. He joined the Department of Anesthesiology at the University of California, San Diego (UCSD), in 2004, where he started UCSD's training program in Regional Anesthesiology and served as Division Chief of Regional Anesthesia and Acute Pain Medicine until 2010. He is currently an Associate Professor of Anesthesiology, Perioperative and Pain Medicine at Stanford University School of Medicine with a Masters of Advanced Studies Degree in Clinical Research. He is board-certified in anesthesiology and pediatric anesthesiology and currently serve as Chief of the Anesthesiology and Perioperative Care Service and Associate Chief of Staff for Inpatient Surgical Services at the Veterans Affairs Palo Alto Health Care System and Co-Director of the Stanford Regional Anesthesiology and Acute Pain Medicine Fellowship Program. He has served the

American Society of Regional Anesthesia and Pain Medicine on various committees, including Chair of the 2013 ASRA spring annual meeting Scientific/Education Planning Committee, and I am the Editor of ASRA News.

Colin McCartney, MBCChB, PhD



Colin McCartney is Professor and Chair of Anesthesiology at University of Ottawa and Head of Anesthesiology at The Ottawa Hospital. He completed anaesthesia and pain medicine training in Scotland before completing a regional anaesthesia and pain fellowship in Toronto in 2000. From 2000-2014 he was a faculty member at University of Toronto and staff anesthesiologist at Toronto Western Hospital and Sunnybrook Health Sciences Centre. He has published over 80 articles in peer-reviewed journals in relation to regional anaesthesia and pain medicine and is an Editor of the journal Regional Anesthesia and Pain Medicine and Associate Editor of the British Journal of Anaesthesia and BMC Anesthesiology. In 2014 he completed a PhD at University of Edinburgh on evolution and impact of ultrasound guidance on brachial plexus anaesthesia. In his spare time he enjoys beer, company of good friends and sleep.

Stavros Memtsoudis, MD, PhD



Dr. Memtsoudis is a Clinical Professor of Anesthesiology and Public Health at the Weill Cornell Medical College and an Attending Anesthesiologist and Senior Scientist at the Hospital for Special Surgery in New York, NY. He currently serves as the Director of Critical Care Services at the same institution. His research interest lies in the study of perioperative outcomes of orthopedic patients. He has published widely on the topic and has recently focused on the role of regional anesthesia and its impact on perioperative outcomes.

Douglas Merrill, MD, MBA



Dr. Merrill is the Chief Medical Officer and Senior Associate Dean for Quality and Safety at University of California Irvine Health, as well as Clinical Professor of Anesthesiology. He has managed a 7 physician pain clinic in private practice, served as a medical director of 5 surgery centers, two pain clinics and has served as the Chair of the ASA Committee on Pain Medicine as well as a member of the ASA Committee on Economics. He also has served as the ASA Advisor to the AMA CPT Panel and written extensively on the management of pain practice and healthcare policy. He has been a long supporter of ASRA and considers this organization to be a significant positive force in the advancement of quality and safety in the perioperative and palliative care environments.

Andres Missair, MD, EDRA



Andres Missair is an Associate Professor at the University of Miami, Department of Anesthesiology. He is currently the Associate Director for the Fellowship Program in Regional Anesthesia and Acute Pain. He and Dr. Ralf Gebhard co-founded Anesthesia without Borders, a volunteer organization dedicated to conducting regional anesthesia workshops and equipment donations in developing countries. Andres received his MD degree from the Johns Hopkins University School of Medicine in 2003, he completed his residency in Anesthesiology and fellowship in Regional Anesthesia and Acute Pain at the University of Miami in 2008, and was awarded the European Diploma of Regional Anesthesia from the European Society of Regional Anesthesia in 2009. Dr. Missair has been elected to and currently serves on the American Society of Anesthesiologists Global Humanitarian Outreach Committee, the American Society of Regional Anesthesia Membership Committee and the Subcommittee on Fellowship Examination.

Vicki Modest, MD



Vicki Modest is a thoracic and regional anesthetist at Massachusetts General Hospital in Boston, Massachusetts, and is a graduate of Massachusetts Institute of Technology (mechanical engineering), and Wake Forest School of Medicine. She is a Shore Fellow (in global health), and an affiliate of the Department of Global Health and Social Medicine, both at Harvard Medical School. An expert in ultrasound guided regional anesthesia, she introduced this technique in Uganda in 2011, and helped establish the first program in USGRA in Sub-Saharan Africa. Emerging from this, there is an evolving new approach to anesthetics and post-operative pain control. Recently invited to participate in the Lancet Commission on Global Surgery, she is collaborating with others to reduce the global surgical and anesthesiologically related burden of injury and death. For entertainment, Dr Modest enjoys the New England beauty, hiking on the Appalachian Trail and riding horses with her four girls. With varying success, she is trying to re-learn her flute.

Joseph M. Neal, MD



Joe Neal received his undergraduate and medical training at Wake Forest University and the West Virginia University School of Medicine. He returned to Bowman Gray / Wake Forest University to complete residencies in Emergency Medicine and Anesthesiology. After fellowship training in regional anesthesia at the Virginia Mason Medical Center in Seattle, he joined that group in 1989. He directed the Virginia Mason regional anesthesia fellowship for over a decade as well as their anesthesiology residency program. Dr. Neal is a senior examiner for the American Board of Anesthesiology; was Editor-in-Chief of Regional Anesthesia and Pain Medicine (2002-2012), and is co-author of the textbooks Requisites in Anesthesiology: Regional Anesthesia; Complications in Regional Anesthesia and Pain Medicine; and Regional Anesthesia: An Illustrated Procedural Guide. He is the President of the American Society of Regional Anesthesia and Pain Medicine (2012-2015).

Ahtsham Niazi, FCARCSI, FRCPC



Staff Anesthetist at Toronto Western Hospital and Assistant Professor at the University of Toronto, Fellowship in Regional Anesthesia at Toronto Western Hospital, Fellow of the Royal College of Physicians and Surgeons, Canada. Diploma in Health Care Management, Dublin, Republic of Ireland. Completed Anesthesia Training in the Republic of Ireland, completed a Fellowship in Liver Transplant Surgery Anesthesia in Dublin, Republic of Ireland. Fellow of the College of Anesthetists (Royal College of Surgeons in Ireland). Graduate Dow Medical College, Karachi, Pakistan. Special interests: Ultrasound guided regional anesthesia, education in regional anesthesia, simulation training, acute pain management.

Steven Orebaugh, MD



Staff anesthesiologist at an ambulatory surgery facility at the University of Pittsburgh which concentrates on Sports Orthopedics. Dr. Orebaugh is the Curriculum committee co-chairman for their residency, and the rotation coordinator for the core rotation in regional anesthesia. He is interested in education, anatomy and outcomes related to regional anesthesia.

Anahi Perlas, MD, FRCPC



Dr. Perlas completed anesthesia and regional anesthesia training at the University of Toronto. She is currently Associate Professor at the Department of Anesthesia, University of Toronto and holds a clinical appointment at the Toronto Western Hospital where she is Director of the Clinical Regional Anesthesia Program. Her research interests relate to innovative applications of ultrasound in the perioperative period with a special focus on regional anesthesia applications and evaluation of gastric content for aspiration risk assessment. She has obtained several peer-reviewed grants and has published more than 40 peer-reviewed articles, several book chapters and editorials. She is Associate Editor of the journal Regional Anesthesia and Pain Medicine and guest editor of several other peer-reviewed journals.

David Provenzano, MD



Dr. David Provenzano is the President of Pain Diagnostics and Interventional Care. He received his undergraduate degree from Colgate University. He received his medical degree from the University of Rochester School of Medicine and Dentistry. He completed a surgical internship at Thomas Jefferson University Hospital and a residency in anesthesiology at The Western Pennsylvania Hospital. He completed a Pain Management Fellowship at the Dartmouth Hitchcock Medical Center. He serves as an external member of the Robert Morris University IRB, an Adjunct Assistant Professor at Duquesne University Department of Pharmacology, and Adjunct Clinical Instructor in the Department of Physician Assistants Studies at the Duquesne University Rangos School of Health Sciences. Dr. Provenzano serves as the Vice Chair for the Continuing Medical Education Committee for the American Society of Regional Anesthesia and Pain Medicine. In addition, he serves on the Educational Track Subcommittee on Pain Medicine for the

American Society of Anesthesiologists. He has extensive interests and expertise in the conservative treatment of pain originating from the cervical and lumbar spine, neuromodulation and in the utilization of ultrasound for interventional pain management procedures.

Andrew Rosenberg, MD



Currently Professor and Dorothy Reaves Spatz, MD Chair of the Department of Anesthesiology at the NYU School of Medicine.

Richard Rosenquist, MD



Dr. Richard Rosenquist received his M.D. degree in June 1984 from Northwestern University, Chicago, Illinois. His post-graduate education includes an internship at Evanston Hospital in Evanston, Illinois from 1984-1985, residency in Anesthesiology at Northwestern University, and McGaw Medical Center and Affiliated Hospitals in Chicago, Illinois 1985-1987, and a one-year fellowship in Regional Anesthesia/Pain and Critical Care, Grady Memorial Hospital/Emory University in Atlanta, Georgia. He is currently Chairman of the Pain Management Department at Cleveland Clinic in Cleveland, Ohio. Dr. Rosenquist is a Past-President of ASRA and served as President from 2005 to 2007. He currently serves as Chair for the ASA Committee on Pain Medicine, Member of the ASA Committee on Economics, and alternate ASA advisor to the RUC. He currently serves as Vice-Chair for the ABA Pain Medicine Examination Committee and on the Anesthesiology Residency Review Committee for the ACGME.

John Rowlingson, MD

(Gaston Labat Award recipient and lecturer)



Dr. Rowlingson attended Allegheny College in Meadville, PA (known for Dad's dog food and Talon zippers) and then the State University of New York at Buffalo School of Medicine (known for brutal winters). He interned at the Millard Fillmore Hospital, and attended UVA for Anesthesiology residency in 1975. He had the unique opportunity to work with Dr. Harold Carron, a Founding Father of ASRA, as a resident and to do a year's fellowship in pain medicine. He benefitted from abundant opportunities to work in acute and chronic pain, regional anesthesia/analgesia, and the operating room at UVA. He founded the Acute Pain Service at UVA in 1987 and directed the Pain Management Center and the pain fellowship at UVA. He was promoted to Tenured Professor, named for his esteemed colleague and officemate, Cosmo A. DiFazio (a Past President himself of ASRA). It has been his distinct pleasure to serve ASRA from the earliest days, as Dr. Carron told him he was going to help him with the programs! His first meeting was in 1978 and he's hardly ever missed one since. He had the opportunity to serve on many committees within ASRA, and served as President in the mid-90s. He has been on the Editorial Board of RAPM for many years, as well as that of other journals. He won the ASRA Distinguished Service Award in 2007 and was the Bonica Lecturer that year also.

Francis Salinas, MD



Dr. Salinas has been at Virginia Mason Medical Center since 1998. He is board certified in anesthesiology, internal medicine, and perioperative trans-esophageal electrocardiography. He is fortunate and grateful to be able to practice both regional anesthesia and cardiac anesthesia on a daily basis. He was fortunate to learn regional anesthesia from some of the giants of the specialty, such as Dr. Gale Thompson, Dr. Manni Batra, Dr. Mike Mulroy, and Dr. Joseph Neal. Dr. Salinas believes that regional anesthesia provides tremendous perioperative benefits to patients in terms of better analgesia, decreased opioid related side effects, enhanced functional recovery, contributes significantly to decreases in perioperative morbidity and perhaps even decreases in mortality. By providing state-of-the-art analgesia, physicians are able to contribute to the concept of the perioperative surgical home, and clearly increase the visibility and importance as true perioperative physicians.

Daniel Sessler, MD



Dr. Sessler attended medical school at Columbia University, and completed pediatric and anesthesia residencies at the University of California, Los Angeles. Having served as a Professor at the University of California in San Francisco and as Vice-dean for Research at the University of Louisville, he is now the Michael Cudahy Professor and Chair of the Department of OUTCOMES RESEARCH at the Cleveland Clinic. He is also Director of the OUTCOMES RESEARCH Consortium: the world's largest clinical anesthesia research group and publishes a full paper every 5 days. Dr. Sessler has published a book on therapeutic hypothermia and more than 550 full research papers. He has been a principal or co-investigator on grants totaling \$30 million, more than half from peer-reviewed sources. He serves as a director for the Anesthesia Quality Institute (AQI) and the Foundation for Anesthesia Education and Research (FAER). Among his awards is a Fulbright Fellowship and the American Society of Anesthesiology Excellence in Research prize.

Cynthia Shum, RN, BScN, MED



Cynthia Shum is the Nurse Educator of the Simulation Center at the VA Hospital in Palo Alto, California. Cynthia is responsible for the operations of the center, running simulation programs, developing curriculum and consulting with healthcare professionals to utilize simulation based methodologies. Cynthia obtained her Nursing degree at Dalhousie University in Canada. After work in the clinical arena she returned to school for her Masters' degree in Education. She has done a variety of different jobs including Clinical Research, Education and Healthcare Simulation. Cynthia is currently a student at the University of San Francisco, where she is working on her Doctorate in Nursing Practice. Cynthia has worked in the field of Healthcare Simulation Education for the past 6 years. She is a Certified Healthcare Simulation Educator and is actively involved in the simulation societies. Simulation is a way to allow healthcare professionals to practice and learn in a safe environment. Cynthia is the mother of three wonderful young men and has been married for 22 years.

When not in school or working her favorite pastime is baking.

Brian D. Sites, MD, MS



Dr. Brian Sites received his MD from the Alpert School of Medicine at Brown University with the Outstanding Graduate Award. He did his surgical residency at Beth Israel-Deaconess Hospital. Then his anesthesiology residency at Dartmouth-Hitchcock Medical Center (DHMC). Recently he received his Masters of Science with a concentration in Clinical and Health Services Research at The Dartmouth Institute. Dr. Sites established a state-of-the-art nerve block center with six dedicated perioperative bays that are equipped with the latest in equipment and staffed by specialty physicians, fellows, and nurses. Recently Brian was promoted to Professor of Anesthesiology and Orthopedics at the Geisel School of Medicine at Dartmouth. He developed and directs the DHMC Regional Anesthesiology Fellowship program. Brian has served as the Director, Department of Anesthesiology Grand Rounds program, Medical Director, Perioperative Services, directs the Regional Anesthesiology Residency Rotation and lecture program. Last year he was appointed to the position of Associate Dean of Continuing Medical Education at DHMC. After being heavily involved in creating the ASRA/ESRA recommended credentialing criteria in regional anesthesia with ultra-sound guidance, he defined the credentialing requirements for DHMC. He is the Regional Anesthesiology Editor-in-Chief and Associate Editor for the RAPM.

Santhanam Suresh, MD



Dr. Suresh is Chair of the Department of Anesthesiology and Director of the Pain Management Team at Ann & Robert H. Lurie Children's Hospital of Chicago. He is an Arthur C. King Professor of Anesthesiology and Pediatrics at Northwestern University Feinberg School of Medicine. Dr. Suresh received his medical degree from the University of Madras in India. He completed his residency in pediatrics at Cook Country Hospital in Chicago, residency in anesthesiology at Loyola University Medical School in Chicago, and his fellowship in pediatric anesthesiology at Children's Memorial Hospital in Chicago. His major area of research is in post-operative pain control and management of chronic pain in children and adolescents. He is internationally recognized for his innovations in the use of nerve blocks for postoperative pain control in infants and children.

Jeffrey Swenson, MD



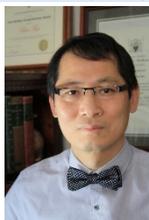
Jeff Swenson is a Professor of Anesthesiology and the current Director of Anesthesia at the University of Utah Orthopaedic Center. He also serves as team physician for the University of Utah PAC 12 football team. Dr. Swenson transitioned from his position as Director of Cardiac Anesthesiology and Transesophageal Echocardiography at the University of Utah in 2002. Since that time he has devoted his time to research and education in ultrasound guided regional anesthesia. He also produces a free website for education in ultrasound guided regional anesthesia which be accessed at www.safeultrasound.org.

De Tran, MD, FRCPC



Dr Tran is an Associate Professor and co-director of the Regional Anesthesia Fellowship at McGill University. His research interest revolves around finding the best evidence-based techniques for ultrasound-guided nerve blocks.

Ban Tsui, MD, MSC



The primary interest and objective of Dr. Tsui's research is to transform regional anesthesia from an "art" into a reliable and reproducible "science" by further exploring the basic scientific and clinical aspects of electrophysiological signal monitoring and integrating this with the latest advances in ultrasound. Dr. Tsui has a strong interest in mentoring and motivating residents and anesthesiologists fellows to incorporate research into their clinical practice. Dr. Tsui has received Clinical Scholar funding from the Alberta Heritage Foundation for Medical Research (AHFMR) since 2002. Dr. Tsui is the recipient of the 2014 Dr. R.A. Gordon Research Award from the Canadian Anesthesiologists' Society (CAS). He has previously received funding from the Canadian Institutes of Health Research (CIHR) and multiple awards from CAS.

William Urmev, MD



Dr. William F. Urmev is an Associate Professor of Clinical Anesthesiology at Hospital for Special Surgery, Weill Cornell Medical College in New York City. His expertise is in regional anesthesia, especially peripheral nerve blocks. Dr. Urmev has a background in respiratory physiology and chest wall mechanics. Scientifically, he has published extensively on brachial plexus anesthesia, respiratory effects of regional anesthesia, regional anesthesia for ambulatory surgery, and the science of peripheral nerve stimulation. Dr. Urmev was a member of the ASRA Board of Directors from 2008-20014.

Marc Van de Velde, MD, PhD, EDRA



Dr. Marc Van de Velde obtained his medical degree at the Catholic University of Louvain in Belgium in 1991. He completed his residency in Anesthesiology in 1996 at the University Hospitals of Louvain. In 2000, he received his PhD degree following research related to metabolic support of the stunned myocardium. He was appointed member of staff in 1997 at the department of Anesthesiology of the University Hospitals in Louvain, Belgium and is now Full Professor of Anesthesia. Since November 2010, he is Head of the Department Anesthesiology at the Catholic University Leuven and Full Professor at the Leuven University Hospitals. He is editor of a new, international book on Maternal Critical Care to be published in 2013 and he is editor of a new book on "Obstetric Anesthesia" to be published in 2015. He was member of the Committee of the Obstetric Anaesthetists Association from 2003 – 2009 and is currently president of the European Society of Regional Anesthesia and Pain Therapy (ESRA). He is chair of the Scientific Committee of the Annual ESRA Meeting organized in Ljubljana 2015 and Maastricht 2016. He is also Chair of the Scientific Subcommittee on Obstetric Anesthesia of the European Society of Anesthesiology (ESA). He is married with Eva and has five children, Sofie, Michiel, Bas, Ella and Juliette. He loves to travel and play golf.

Alexandru Visan, MD, MBA



As the Founder and CEO of Executive Cortex Consulting, Dr. Alexandru Visan is dedicated to the development and implementation of progressive healthcare solutions for modern medical practice, based on hybrid healthcare and business administration analytics. Dr. Visan believes in highly customized, creative and efficient strategic plans for his business clients that wish to radically improve their practice delivery models and revenues. He is well known to be a promoter of sustainable long-term business solutions, which demand continuous quality improvement programs and training providers to become adapted to a dynamic healthcare economics environment, as well as delivering high quality medical care. During his previous tenure as Medical Director of the Regional Anesthesia Division at University of Alabama at Birmingham, Dr. Visan was actively involved in developing a well-organized regional anesthesiology and acute pain management program, as well as improving operating room workflows and clinical enterprise efficiency. Dr. Visan has served as

Assistant Professor of Clinical Anesthesiology on the faculty of University of Alabama at Birmingham and University of Miami. He earned his Executive MBA, with a specialization in Health Sector Management and Policy at the University of Miami Business School, as well as his Six Sigma certification. He completed his residency and a fellowship in regional anesthesiology at Columbia University College of Physicians and Surgeons in New York. His medical degree was completed in Europe, while serving as the President and Co-Founder of a private company, with focus on commercial and industrial real estate analysis, as well as business and project development.

Eugene Viscusi, MD



Dr. Eugene R. Viscusi is Professor of Anesthesiology, Director of Acute Pain Management in the Department of Anesthesiology, Thomas Jefferson University in Philadelphia, Pennsylvania. He received his medical degree from Jefferson Medical College, completed an anesthesiology residency at the University of Pennsylvania in Philadelphia. Dr. Viscusi developed a novel, nurse-driven model for acute pain management with specially trained nurses in the early 1990s that has served as a model for healthcare delivery. Dr. Viscusi has lectured extensively and contributing more than 75 peer-reviewed articles in journals including JAMA, Anesthesiology, Anesthesia & Analgesia, and Regional Anesthesia and Pain Medicine. He currently serves on the editorial board of Regional Anesthesia and Pain Medicine, the Clinical Journal of Pain, and the American Journal of Orthopedics. A member of

the American Society of Regional Anesthesia and Pain Medicine (ASRA), Dr. Viscusi has served on the Board of Directors since 2011. He will ascend to the Treasurer's position at the Spring 2015 meeting. Dr. Viscusi is also an avid musician, a specialist in early music and performed and conducted in the Philadelphia area until the late 1990's.

Benjamin Walker, MD



Dr. Walker received his medical training at the University of Wisconsin, and completed his residency in anesthesiology at Virginia Mason in Seattle. He continued his training in Seattle with a fellowship in pediatric anesthesiology and an additional research year in pediatric regional anesthesia at Seattle Children's Hospital. He currently serves as the Director of Pediatric Pain Management at American Family Children's Hospital at the University of Wisconsin in Madison, WI. His primary research interest is safety in pediatric regional anesthesia, and he has been heavily involved in the Pediatric Regional Anesthesia Network, which is a multicenter consortium of 20 children's hospitals examining practice patterns and complications of regional anesthesia in children.

Daniel Warren, MD



As academic faculty for the Department of Anesthesiology at Virginia Mason Medical Center in Seattle, Washington, Dr. Warren participates in both perioperative care of patients in the OR, as well as on the ward in postoperative recovery through our Regional Anesthesia and Acute Pain Service. Additionally, he is the program director for the Pain Medicine Fellowship and participates in consultative and interventional care for patients with chronic and cancer pain. As a past Program Chair for the ASRA Pain Medicine meeting, and member of the Committee on Continuing Medical Education, Dr. Warren remains committed to the mission of ASRA and the educational events provided to the community.

Lisa Warren, MD



Dr. Lisa Warren is an Anesthesiologist at the Massachusetts General Hospital (MGH) and an Assistant Professor in the Department of Anesthesia, Critical Care and Pain Medicine (DACCPM) at Harvard Medical School. She was director of the MGH Same Day Surgery Unit from 2005 until its closure in 2011. She also developed and directed the MGH dedicated Block Service and the Fellowship in Acute Pain and Regional Anesthesia. Dr. Warren is a member of several medical societies, including the American Society of Anesthesiologists, the Massachusetts Society of Anesthesiologists, the American Society of Regional Anesthesia, and the Society for Ambulatory Anesthesia. She has been honored with several institutional awards for Service and Safety excellence,

including Citizenship Awards for exceptional community contributions, Partners in Excellence Awards for outstanding leadership and innovation, and a Safety Star Award for efforts to improve and enhance patient safety. Most recently she has been honored with a nomination by her peers for a McGovern Award given by the Massachusetts General Physicians Organization in recognition of dedication, patient-centered care and clinical excellence.

Guy Weinberg, MD



Dr. Weinberg trained in internal medicine and medical genetics before converting to anesthesiology (a wise move). He had also spent time in biochemistry laboratories at UCSF and the NIH before leaving research forever (he thought) vowing never to do another experiment. After nearly fifteen years of clinical practice an ‘outlier’ event brought him back to the laboratory to answer how carnitine deficiency could lead to severe local anesthetic sensitivity that nearly cost a patient her life. In trying to model this event, Dr. Weinberg identified the benefit of lipid emulsion infusion in treating local anesthetic systemic toxicity. Returning reluctantly to the laboratory, Dr. Weinberg is lucky enough to preserve 50% of his professional time for the operating room where some say he still has something to offer. At home, his wife Mary and three children claim to know better.

Robert Weller, MD



Professor of Anesthesiology, Section Head of Regional Anesthesia and Acute Pain Management, Wake Forest School of Medicine, Winston-Salem, North Carolina. After completing six month fellowships in both regional anesthesia at Virginia Mason Clinic and pediatric anesthesia at Children’s Hospital National Medical Center in 1984, Dr. Weller has continued to practice and teach regional anesthesia throughout his career. He was residency program director at the University of Connecticut for 10 years, and then moved to Wake Forest School of Medicine in 1997 where he helped establish a Section and Resident educational rotation in regional anesthesia and acute pain management (RAAPM). He served as RAAPM Fellowship Director from 2008 to 2013 and then as Section Head for RAAPM from 2013 to the present. He has been an Associate Editor for Regional Anesthesia and Pain Medicine. Dr. Weller has also been involved in the planning and CME oversight for the ASA and ASRA annual meetings.

Brian Williams, MD, MBA



In Dr. Williams’ almost-20 year career as a faculty member at the University of Pittsburgh School of Medicine, he has ascended the ranks to Professor of Anesthesiology, and has subspecialized in ambulatory/regional anesthesia throughout this time. His research has been underwritten by the Society for Ambulatory Anesthesia, the International Anesthesia Research Society, the National Institutes of Health, and the Department of Defense. His research interests, both clinical and translational, include health care economics, process re-engineering, patient satisfaction psychometrics, and multimodal perineural anesthesia/analgesia.

Glenn Woodworth, MD



Dr. Woodworth is the Director of Regional Anesthesia and the Regional Anesthesia and Acute Pain Medicine Fellowship Director at Oregon Health and Science University in Portland, Oregon. His research interests include the assessment of competency and educational outcomes, and he is a past FAER grant recipient for his work on the assessment of ultrasound interpretation skills for regional anesthesia. In addition to his duties at OHSU, Dr. Woodworth is the Editor in Chief of the Anesthesia Education Toolbox, a collaboratively developed peer-reviewed web-site for anesthesia education. In his spare time, Dr. Woodworth enjoys spending time with his family, playing tennis and cooking.

Christopher Wu, MD



Dr. Christopher Wu is a professor of anesthesiology in the Department of Anesthesiology and Critical Care Medicine at the Johns Hopkins School of Medicine. His research is focused on outcomes research and regional anesthesia-analgesia. Dr. Wu has numerous peer reviewed publications including manuscripts in JAMA, Lancet and British Medical Journal. He is on several editorial boards including Regional Anesthesia and Pain Medicine and previously Anesthesiology. Dr. Wu enjoys teaching and mentoring the next generation of anesthesiologists and is the recipient of numerous awards in these areas.

Mark Yeager, MD



Dr. Yeager joined the Department of Anesthesiology at the Dartmouth Hitchcock Medical Center after completing specialty training in Anesthesiology and Critical Care Medicine. He maintains a research profile focused on enhancement of the surgical recovery process through prevention of surgical complications related to inflammation, infection and pain. Current research interests include; 1) investigation of the pro-inflammatory effects of glucocorticoids on immune effector cells, primarily monocytes and macrophages, 2) in collaboration with Randy W. Loftus, MD, investigating mechanisms and preventions of pathogenic bacterial transmission in the operating room, and 3) testing the role of new perioperative analgesic protocols for enhancing surgical recovery. Dr. Yeager is William L. Garth Professor of Anesthesiology and Medicine, Vice-Chair for Research and Director of the Acute Pain Service.