From The Chair

Welcome to the first Departmental Report of the University of California, San Diego Department of Emergency Medicine! Beginning this year, we will be highlighting the many accomplishments of our clinical, teaching, service and research programs to our alumni, friends and supporters.

As you will read, our impressive faculty is diverse and accomplished, providing the very best clinical care and community service in San Diego; our medical student, resident and fellowship programs are ranked amongst the top in the country; and our research is recognized with support from the NIH, US Department of Justice, West Health Foundation, to name a few. As a fellow resident alumnus, I am proud to be associated with Emergency Medicine at UCSD.

As many of you know, this past year was my first as Department Chair. I had the great fortune of succeeding Dr. David Guss, under whose leadership the Department has grown immensely. During his tenure, Emergency Medicine became a full-fledged, academic Department at UCSD in 2012. This year also marks the 25th anniversary of the EM Residency training program at UCSD. To celebrate this milestone, and in conjunction with this year’s SAEM meeting being held in San Diego in May, we will be hosting a UCSD Emergency Medicine Alumni Reception on the evening of Friday, May 15. Please join us at this get together with fellow alumni, faculty and friends for a night of fun, reconnecting with long-lost classmates, and reminiscing about the “good ol' days”. We hope to see you all there!

Save The Date!
MAY 15th 2015
UCSD Emergency Medicine Residency 25th Anniversary Celebration
More details to follow!

Ted Chan, MD
Professor and Chair
Department of Emergency Medicine
From the Vice Chair & Director of Academic Affairs

The Department of EM is the newest academic Department at UCSD, and our faculty has grown tremendously in the past few years. We now have 26 full-time academic faculty, 9 full-time clinical faculty, 10 part-time faculty, 5 emeritus faculty, and 2 adjunct members. The Department has a full-time PhD epidemiologist to support ongoing research, as well as PhDs in Marine Biology and Anthropology! Our faculty is incredibly productive with diverse and wide-ranging interests, but we are all connected by our desire to move the specialty and subspecialties of Emergency Medicine forward.

Rick Clark, MD
Vice Chair
Director of Academic Affairs
Department of Emergency Medicine

Meet the New DEM Faculty

In the past year, we’ve had the good fortune to recruit 4 outstanding new faculty to our Department.

Radhika Sundararajan, MD, PhD
completed her residency at the Harvard-Affiliated EM program after obtaining her medical degree from NYU School of Medicine. Prior to medical school, Radhika earned a PhD in Anthropology at the University of Pennsylvania. Her academic interests focus on an international and global health, and barriers to acute care. She recently completed studies focusing on social and structural barriers to malaria treatment for pediatric patients in Uganda and tribal communities in India. She is currently developing a project investigating the role of traditional healers in the acute care of HIV+ populations in Mozambique. Radhika also has a secondary appointment in the UCSD Division of Global Health. In her spare time, she enjoys exploring San Diego with her husband and son, Lukas, who was born in June 2014.

Jorge Fernandez, MD
completed his emergency medicine residency training and a medical education fellowship certification program at the University of Southern California (USC). He worked at the Los Angeles County + USC Medical Center for 7 years after residency as the DEM’s director of medical student education during that time. Dr. Fernandez was actively involved in building a longitudinal curriculum for emergency medicine at the USC Keck School of Medicine (KSOM) as well as mentoring hundreds of medical students through USC Emergency Medicine Student Interest Group (EMSIG). In his free time, he enjoys surfing, yoga, tennis, traveling, spending time with his family and friends, and playing at the beach.

Allyson Kreshak, MD
completed her undergraduate degree at the University of Pennsylvania, her medical degree at Jefferson Medical College and her residency training at the Hospital of the University of Pennsylvania. She worked clinically for two years following residency and then completed a two-year medical toxicology fellowship at UCSD. Her academic interests include medication safety, medication adherence, and patient safety, and she actively conducts collaborative research in these areas. Outside of the emergency department, she enjoys time with her husband, children and dogs as well as running and paddleboarding.

Christopher “Kit” Tainter, MD, RDMS
is joining the EM faculty as well as the Department of Anesthesia, Division of Critical Care. A graduate of University of Washington School of Medicine, he completed his Emergency Medicine residency at The Mount Sinai Hospital in New York City, where he also obtained an RDMS credential. He then served as the Assistant Residency Director and Medical Student Clerkship Director at the University of Oklahoma. Most recently, he completed a fellowship in Critical Care Medicine at the Massachusetts General Hospital in Boston. He will split his time between the ED and critical care services at UCSD starting in August. In his free time, Kit is an avid beach volleyball player.
# DEM Faculty

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<th>Professors</th>
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<td>Radhika Sundararajan, MD</td>
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This year marks the 25th anniversary since the inception of our Emergency Medicine Residency Program. Our program started with the inaugural class of Richard, Roneet, Leslie, and Karen, our trailblazers, and over the years, has grown from 4 residents in each class in a PGY2-4 format to now 9 residents per class in a PGY1-4 format - truly amazing growth.

Coincident with our anniversary milestone, this is the first year that the program has reached its full approved complement of 36 residents across the 4 years of training. The program has also expanded the clinical experiences for our residents. For nearly 2 decades, the primary training site has been the Hillcrest facility downtown. We have also had long-term community hospital partnerships with TriCity and Palomar Medical Centers for our senior residents as well as the pediatric component of training at Rady Children’s Hospital. In 2005 with the dedication of the Cancer Center at La Jolla, the clinical experience at Thornton Hospital matured and became an appropriate training environment with a very different patient population than typically seen downtown. More recently, a partnership with Pioneer’s Hospital in Brawley, California has led to a 2-week rural EM experience for our junior residents. Lastly, Mercy Air (the successor to Life Flight) continues to offer an aeromedical experience for our residents that is one of only a handful of programs in the country with such a unique experience.

The history of EM training at UCSD is well established now with 137 graduates. The future of the residency is even brighter as we grow the program in areas such as simulation and critical care. We hope to engage all of our alumni both locally and a far with annual events to reconnect with faculty and graduates. Please save May15, 2015 for our 25th Anniversary reunion event where we hope to see as many of our alumni as possible.

Save The Date!
MAY 15th 2015
UCSD Emergency Medicine Residency 25th Anniversary Celebration
More details to follow!

Binh Ly, MD
Director of Education
EM Residency Director
Department of Emergency Medicine
Current Residents

Class of 2015

Top Row: Dr. Andrew LaFree, Dr. Judson Merritt, Dr. Charles Lanzillo, Dr. Gabe Wardi, Dr. Sow Kobayashi
Bottom Row: Dr. Binh Ly, Dr. Dan Lasoff, Dr. Sarah Espinoza, Dr. Marian Xu, Dr. Alex Bromfield

Class of 2016

Top Row: Dr. Nick Ward, Dr. Dan Popa, Dr. Ken Choi, Dr. Sebastian Aldaz
Bottom Row: Dr. Julie Watkins-Torry, Dr. Cathy Mummert, Dr. Amanda Cobb, Dr. Stacy Boore, Dr. Michael Holman
Class of 2017

Top Row: Dr. Nick Pokrajac, Dr. Aaron Heerboth, Dr. David Benaron, Dr. Jeff Kurz, Dr. Rachel Post

Bottom Row: Dr. Adam Nadolski, Dr. Liza Owen, Dr. Sean Okumura, Dr. James Grieme

Class of 2018

Top Row: Dr. Thomas Ence, Dr. Jimmy Corbett-Detig, Dr. Nick Aldridge, Dr. Joe Brown

Bottom Row: Dr. Brenna Derksen, Dr. Cameron Smyres, Dr. Mark Darocki, Dr. Nancy Glober, Dr. Thien Nguyen

Click Here for more information about the Current DEM Residents or go to: http://healthsciences.ucsd.edu/som/emergency-med/education/residency/Pages/Current.aspx
High-fidelity simulation today has become a critical component of medical education and UCSD is at the forefront with its new state-of-the-art 100,000 square foot four story Medical Education and Training center located at the School of Medicine main campus. The facility includes the Simulation (SIM) Training Center, the Center for the Future of Surgery and the Professional Development Center. SIM includes 2-fully equipped critical care patient rooms with several SIM 3G high fidelity manikins (adult and pediatric), a variety of partial task trainers (paracentesis, thoracentesis, etc) and diagnostic monitoring equipment (defibrillators, ultrasound machines). Our Residency Program has put these resources to good use, competing nationally with other programs and winning the 2010 ACEP SIM Wars! The residents regularly utilize this state of the art SIM Center for our conferences every 3rd Tuesday for residency training. If you are interested in participating in our SIM sessions as an ‘actor’ or an evaluator of our residents’ performance, please contact me, Leslie Oyama (loyama@ucsd.edu).

Leslie Oyama, MD
EM Residency Associate Program Director
Department of Emergency Medicine
Work Hard, Play Hard

A: Dr. Rick Clark and Dr. Cathy Mummert making a new friend.
B: Resident’s at Comic-Con - Are these really the best costumes they could come up with?
C: Interns at Wellness Day in Balboa Park.
D: Intern bonding on the Ropes course during orientation.
Department of Emergency Medicine Residency Alumni

Class of 2014

Owen Bowers
Scripps Mercy, Kaiser, San Diego

Lauren Elliott
West Palm Beach, FL

Erin King
Rady’s Children’s, San Diego

Cade Lawrence
Pioneer Hospital, Indio

Justin Lemieux
Stanford EMS Fellowship

Nas Rafi
UCSD Ethics Fellowship

Charlotte Sadler
UCSD (UCSD Hyperbarics Fellowship)

Chad Valderrama
Scripps Encinitas

Class of 2013

Ted Armstrong
Kaiser, San Diego

Christanne Coffey
UCSD (UCSD Wilderness Med Fellowship)

Christian Kelly
Kaiser, San Diego

Lucia Modesti
Lowell Hospital, Boston, MA

Elezer Negus
VA San Diego

Chuck O’Connell
UCSD Toxicology Fellowship

Asia Takeuchi
UCSD, Kaiser (UCSD U/S Fellowship)

Class of 2012

Steve Aguilar
Kaiser/ (UCSD Resuscitation Fellowship)

Todd Baumbacher
Scripps Health, San Diego

Nicholle Bromley
Palomar

Jennifer Cullen
Palomar/ (UCSD Tox Fellowship)

Siobhan Gray
Willamette Valley MC, OR

Amanda Holden
Palomar

Danielle Kiggins
Mercy Regional, Durango, CO

Davut Savaser
UCSD/ (UCSD Hyperbarics Fellowship)

Class of 2011

Ilona Barash
UCSD / (UCSD Sports Med Fellowship)

Alfred Joshua
Med Director, SD Sheriff’s Dept. (Admin Fellowship)

Angela Pham
Kaiser, San Diego

Anthony Salazar
Kaiser, San Diego

Todd Simmons
Palomar

Michelle Voigt
Tri-City MC, San Diego

Beth Zelonis
Sharp Chula Vista, San Diego

Class of 2010

Guy Bizek
Sharp Memorial, Scripps, San Diego

Kevin Buford
West Palm Beach, FL/ (Penn HBO Fellowship)

Jamila Danishwar
Palomar

Allan Hansen
Palomar/ (UCSD U/S Fellowship)

Dan Morris
Kaiser, Napa

Arash Soroudi
Pioneer’s Memorial, Brawley

Mike Wilson
UCSD/ (UCSD Research Fellowship)

Class of 2009

Shane Hamman
Poway Dermatolog/(UCSD Derm Residency)

Mark Koenig
Sharp, Chula Vista

Cameron McFarland
Kaiser, San Diego

Mike Nielsen
Sharp Memorial, San Diego

Jeremy Peay
Sharp Memorial, San Diego

James Smithson
Sharp Memorial, San Diego

Heather Villani
Kaiser, San Diego

Sherry Yafai
St. John’s, Santa Monica

Class of 2008

Byron Buckley
Sharp Memorial, San Diego

Dan Firestone
Kaiser, CA

Julie Marmon
Sharp Memorial, San Diego

Robert Marsan
Scripps Mercy, San Diego

William Meade
Tri-City MC, Oceanside

Alicia Minns
UCSD/ (UCSD Tox Fellowship)

Sean Nordt
USC Director Toxicology/ (UCSD Tox Fellowship)

Class of 2007

Danielle Douglas
Grossmont, CA

Jennifer Johnson
Kaiser, Redwood City

Mamata Kene
Kaiser, Fremont

Lisa Lowe
UCSD, Sharp Memorial

Aaron Pessl
Kaiser, San Francisco

Yiannis Venieris
Sharp Memorial, San Diego

Class of 2006

Jeff Bush
Kaiser, San Diego

Jessica Hill
Kaiser, San Diego

Alec Huynh
Mission, CA

Jim Hwang
Scripps La Jolla/ (Yale U/S Fellowship)

Saul Levine
Sharp Hospital, San Diego

Jim Nelson
Medical Director, Pioneers

Class of 2005

Ilona Barash
UCSD / (UCSD Sports Med Fellowship)

Alfred Joshua
Med Director, SD Sheriff’s Dept. (Admin Fellowship)

Angela Pham
Kaiser, San Diego

Anthony Salazar
Kaiser, San Diego

Todd Simmons
Palomar

Michelle Voigt
Tri-City MC, San Diego

Beth Zelonis
Sharp Chula Vista, San Diego

Class of 2004

Guy Bizek
Sharp Memorial, Scripps, San Diego

Kevin Buford
West Palm Beach, FL/ (Penn HBO Fellowship)

Jamila Danishwar
Palomar

Allan Hansen
Palomar/ (UCSD U/S Fellowship)

Dan Morris
Kaiser, Napa

Arash Soroudi
Pioneer’s Memorial, Brawley

Mike Wilson
UCSD/ (UCSD Research Fellowship)

Class of 2003

Shane Hamman
Poway Dermatolog/(UCSD Derm Residency)

Mark Koenig
Sharp, Chula Vista

Cameron McFarland
Kaiser, San Diego

Mike Nielsen
Sharp Memorial, San Diego

Jeremy Peay
Sharp Memorial, San Diego

James Smithson
Sharp Memorial, San Diego

Heather Villani
Kaiser, San Diego

Sherry Yafai
St. John’s, Santa Monica

Class of 2002

Byron Buckley
Sharp Memorial, San Diego

Dan Firestone
Kaiser, CA

Julie Marmon
Sharp Memorial, San Diego

Robert Marsan
Scripps Mercy, San Diego

William Meade
Tri-City MC, Oceanside

Alicia Minns
UCSD/ (UCSD Tox Fellowship)

Sean Nordt
USC Director Toxicology/ (UCSD Tox Fellowship)

Class of 2001

Danielle Douglas
Grossmont, CA

Jennifer Johnson
Kaiser, Redwood City

Mamata Kene
Kaiser, Fremont

Lisa Lowe
UCSD, Sharp Memorial

Aaron Pessl
Kaiser, San Francisco

Yiannis Venieris
Sharp Memorial, San Diego

Class of 2000

Jeff Bush
Kaiser, San Diego

Jessica Hill
Kaiser, San Diego

Alec Huynh
Mission, CA

Jim Hwang
Scripps La Jolla/ (Yale U/S Fellowship)

Saul Levine
Sharp Hospital, San Diego

Jim Nelson
Medical Director, Pioneers
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<tr>
<th>Class of 2005</th>
<th>Robyn Heister</th>
<th>Palomar</th>
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<td>Minh Ly</td>
<td>Mission Hospital, Laguna Hills</td>
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<td>Raj Patel</td>
<td>Mission Hospital, Mission Viejo</td>
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<td>Rob Patel</td>
<td>Sharp, San Diego</td>
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<td>Kelly Petit</td>
<td>Eastern New Mexico MC, NM</td>
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<tr>
<td>Adam Wos</td>
<td>Forest Hill Hospital, NY</td>
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<th>Brandon Backlund</th>
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<tr>
<td>Colleen Buono</td>
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<td>Julie Doyle</td>
<td>Biosite, San Diego</td>
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<td>Ian Rielly</td>
<td>Scripps La Jolla</td>
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<tr>
<td>Tyler Vadeboncoeur</td>
<td>Jacksonville Memorial, FL</td>
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<td>Carla Valentine</td>
<td>Santa Barbara Cottage Hospital</td>
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<th>Taylor Cardall</th>
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<tr>
<td>Jeff Davis</td>
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<td>Mike Doney</td>
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<td>Judd Glasser</td>
<td>Tri-City MC, San Diego</td>
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<td>Angela Loh</td>
<td>Kaiser, San Diego</td>
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<td>Jon Ludwig</td>
<td>Scripps Mercy, San Diego</td>
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<th>Sean Deitch</th>
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<tr>
<td>Anthony Huynh</td>
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<td>Albert Jin</td>
<td>Irvine Regional MC</td>
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<td>Elaine Saprio</td>
<td>UCSD</td>
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<tr>
<td>Becah Wilks</td>
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<th>Class of 2001</th>
<th>Joe Bellezzo</th>
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<td>Chris Ho</td>
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<td>Tamaki Kimbro</td>
<td>Medical Director, Mendocino Coast District</td>
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<td>Dan Meltzer</td>
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<td>Sean-Xavier Neath</td>
<td>UCSD</td>
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<td>Chris Sloane</td>
<td>UCSD</td>
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<td>Tim Watt</td>
<td>Sharp Healthcare, San Diego</td>
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<td>Ruth Wold</td>
<td>JJ&amp;R Emergency, Marina Del Rey</td>
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<th>Class of 2000</th>
<th>Tami Gash-Kim</th>
<th>Med Director, Marin General, Greenbrae</th>
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<tr>
<td>Gene Ma</td>
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<td>Allen Marino</td>
<td>Med Director, Advisory Board Management and Consulting, Nashville, TN</td>
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<td>Jim Schmitt</td>
<td>Cox MC South, Springfield, MO</td>
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<td>Sam Torbati</td>
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<th>Kenny Bramwell</th>
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<td>Gordon Chew</td>
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<td>Danny Davis</td>
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<td>Robert Hamilton</td>
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<td>Tom Moats</td>
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<th>Mary Anne Fuchs</th>
<th>Grossmont, La Mesa</th>
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<tr>
<td>Katie Hurt</td>
<td>John Muir, Walnut Creek</td>
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<td>Aviva Jacoby</td>
<td>Legacy Hospital, Portland, OR</td>
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<td>Greg Lampe</td>
<td>Mission Hospital MC, Mission Viejo</td>
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<td>Christy Rosa</td>
<td>Alvarado MC, San Diego</td>
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<tr>
<td>Brian Snyder</td>
<td>UCSD/ (UCSD HBO Fellowship)</td>
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<th>Paulo Berger</th>
<th>Chief of Staff, Kaiser, San Diego</th>
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<tr>
<td>Shawn Evans</td>
<td>Med Director, Scripps Memorial, La Jolla</td>
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<td>Jim Larson</td>
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<td>Chris Richards</td>
<td>Univ of Oregon Medical Center</td>
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<td>Guy Tarleton</td>
<td>Santa Inez, Santa Barbara</td>
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<tr>
<td>Skip Walton</td>
<td>Univ of Michigan DEM Faculty</td>
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Department of Emergency Medicine Residency Alumni

Class of 1996

Erik Barton  Chair, UC Irvine
Ted Chan  Chair, UCSD, San Diego
Terry Jones  Chief of Med Staff, North HI Comm., HI
Lisa Morikado  Scripps Memorial, La Jolla
Bing Pao  Palomar
Gary Vilke  UCSD

Stewart Coffman  Chair, DEM Medical Center of Lewisville, TX
Glenn Hebel  Chair, DEM Newport Hospital, Newport, RI
Scott Jones  Chair of EM Services, Plaza Medical Center, TX
Dan Safranek  Providence Hospital, Anchorage, AK
Marc Taub  Medical Director, Saddleback Memorial, Laguna Hills

Michelle Grad  Palomar
Todd Hanna  Menifee Valley MC, Menifee
Tom Peitz  Chair, California Pacific MC, San Francisco
Charles Simmons  Scripps Mercy, San Diego
Saralyn Williams  Vanderbilt, Nashville, TN/ (UCSD Tox Fellowship)

Class of 1995

Richard Kingsland  Scripps, Encinitas
Roneet Lev  Scripps Mercy, San Diego
Leslie Milne  Mass General, Boston, MA
Karen Van Hoesen  UCSD

Class of 1994

Contact us if you we need to update your information!

(619) 543-6463 or mpflaum@ucsd.edu

Click Here for more information about the DEM Residency Alumni or go to:
http://healthsciences.ucsd.edu/som/emergency-med/education/residency/Pages/Alumni.aspx
The 4th year clerkship in Emergency Medicine remains one of the most popular rotations for both UCSD students as well as those rotating from other medical schools across the country. In fact, this past year, we had 58 of 4th year students participate in EMED 420 our 4th year elective, 25 students of whom were from medical schools other than UCSD. Students always rate our rotation highly with comments like:

“In most cases, I was allowed to see patients independently and come up with a plan that was then presented to the senior resident. I very much appreciated how much teaching I was offered during all of my shifts and in general, everyone was very willing to speak to me about my career options/why they chose EM. I think I got a very good sense of what it would be like to be a resident in the department and what EM has to offer.”

“Great clerkship! I learned so much about not only important EM topics, but also had ample opportunity to learn about the residency program. I very much enjoyed working with all of the residents and attendings who were all so nice and welcoming.”

“I had a great experience on EM service. My time was always maximized, and I was always busy. I loved it. The residents were all equally awesome in giving me the opportunity to do as many procedures as I could. I feel very confident in handling many of the procedures as a result. The attending I interacted with were also great to work with, giving me appropriate teaching and feedback.”

Because of the success of our 4th year elective (EMED 420), we have expanded learning opportunities to participate in EM care in our Department. Our 4th year student elective courses in Medical Toxicology and Emergency Ultrasound remain very popular with students, in addition to our subinternship in Diving and Hyperbaric Medicine. We’ve also added a 3rd year elective in our ED for students to learn basic resuscitation skills, as well as early experience in EM and acute care.

Our Department has been very involved in the new UCSD medical school curriculum focused on problem-based learning and early clinical experiences for students. I serve as an Academic Community Director for the medical students. Our ultrasound division faculty now lead the entire ultrasound curriculum for medical students in the 1st and 2nd years. The Introduction to EM course for 1st year students, remains popular and I oversee the very popular student-run EMIG (Emergency Medicine Interest Group). No doubt EM will remain a major draw for students at UCSD now and into the future.

Kama Guluma, MD
Student Programs Director
Department of Emergency Medicine
Fellowship Programs

We’ve experienced tremendous growth in EM subspecialty training fellowships here at UCSD. Our Department now sponsors four ACGME-accredited fellowship training programs and another five non-ACGME fellowship programs in a variety of EM subspecialties. In addition, past graduates have also undergone fellowship training in Sports Medicine (sponsored by the Department of Family Medicine). Most recently this year we have added an NIH-sponsored fellowship in Clinical Informatics (under an NIH training grant in collaboration with the Division of Bioinformatics), and are planning an EM Critical Care Fellowship to begin in July 2015 jointly sponsored with the Division of Pulmonary Critical Care Medicine and the Department of Anesthesiology at UCSD.

ACGME Accredited Fellowship Programs:

- Medical Toxicology
- Hyperbaric Medicine & Wound Care
- Emergency Medical Services
- Pediatric Emergency Medicine (in collaboration with Rady Children’s Hospital)

Additional Fellowship Programs:

- Emergency Ultrasound
- Wilderness Medicine
- Emergency Medicine Bioethics
- Clinical Informatics (NIH-funded)
- Critical Care
- Clinical Research

Splint and litter improvisation on Wilderness Medicine hike, Torrey Pines.

Dr. Jim Killeen, Informatics Fellowship Director in his element.

EM residents learning Ultrasound with Resident Marian Xu.
From the Medical Director

The UCSD Emergency Department has seen changes at both its sites. In 2011, we opened a brand new 25-bed ED at La Jolla in the Sulpizio Cardiovascular Center. A year later, our old Thorton ED was remodeled to add an additional 7 ED/Observation beds. At nearly the same time, we embarked on an expansion of our Hillcrest ED, increasing our space by nearly 50% with 12 new patient care rooms, a state-of-the art 360-slice CT scanner within the ED, and a new combined MD/RN work area.

These expansions have been much needed as our patient census has increased significantly, with over 70,000 visits annually combined. And like other EDs nationally, our acuity has also increased with more than 1 out of every 5 patients admitted to the hospital. To address these challenges we’ve staffed the new ED Observation Unit with a Nurse Practitioner at La Jolla, as well as a total of 3 (yes that’s right three) new social workers across both sites to address the social and psychiatric needs of our patients as well.

We are very proud of our collaboration with partners throughout the San Diego community. Working with our nursing colleagues, we initiated the ED Community Placement Program which focuses on getting housing resources for our many homeless patients. This program has garnered national as well as international attention (recently our results were presented in Hong Kong).

And of course, we remain an integral part of the UCSD Health System, rated the top hospital in San Diego by US News and World Report. We were one of the first sites in the nation designated as a “Comprehensive Stroke Center.” UCSD is also the designated healthcare provider for the Olympic Training site in Chula Vista, as well as the San Diego Chargers.

Christian Tomaszewski, MD
Medical Director
Department of Emergency Medicine

Medical Director, prepared for Ebola.
Medical Toxicology

The Division of Medical Toxicology consists of the San Diego Regional Poison Center (established in 1972 and part of the California Poison Control System or CPCS) and the Medical Toxicology Clinical Services at UCSD. The CPCS now covers poison information for both the general public and health care providers for the entire population of California, making it the largest system of its kind in the country. The San Diego Division of the CPCS now handles over 80,000 calls per year from San Diego, Imperial, Orange, San Bernardino, and Riverside Counties.

The Medical Toxicology Clinical Services, the only inpatient clinical toxicology services in Southern California, performs more than 400 consultations a year on poisoned or envenomated patients. The Division provides clinical services at:

- UCSD Medical Center – Hillcrest & La Jolla
- Rady Children’s Hospital
- VA Medical Center (Agent Orange clinic)
- Scripps Mercy Hospital

The Division also operates a national recognized fellowship in Medical Toxicology with funding from the Department and the VA.

Pediatric Emergency Medicine

The Pediatric EM division is a collaboration with Rady Children’s Hospital, the primary pediatric facility for San Diego and Imperial Counties. Two of our faculty, Dr.’s Paul Ishimine and Matt Murray, split their clinical time between UCSD and Rady’s, the primary pediatric teaching institution for UCSD. Together we supervise the pediatric experience for students and trainees, at UCSD, and Rady’s, and through the pediatric simulation center at the UCSD School of Medicine.

Rady’s ED census is approximately 71,000 visits per year with all levels of acuity in an ED completely renovated in 2008. Our Level I Pediatric Trauma Center sees more than 1,000 patients each year. UCSD EM residents rotate throughout the year in the ED during all their years of residency training. The Department also sponsors the two-year ACGME-accredited Pediatric EM fellowship program.
One of our newer divisions, Emergency Ultrasound has experienced rapid growth in the past 5 years. All our residents now train in ultrasound throughout their 4 years of residency, under the guidance of the U/S faculty and meet the ACEP criteria for certification upon graduation. We also have developed a robust ultrasound fellowship graduating fellowship-trained Emergency physicians since 2010. We are proud to say that our fellow graduates have gone on to start Emergency ultrasound programs at their own institutions.

Both our Departments have the Zonare US machine as well as GE Logic machines allowing the greatest flexibility in use whether for diagnostic or procedural guidance purposes. The Division reviews and provides quality assurance to 30 scans performed every week by our ED colleagues and trainees. These weekly sessions are open to other physicians interested in emergency sonography as well.

This year, we embark on a new initiative to bring ultrasound training earlier into the medical school curriculum. Our division is leading the didactic and hands-on ultrasound training for the over 300 medical students in their first and second years at UCSD. This is an exciting development for our Division and we look forward to many happy scanning days ahead!

While Clinical Informatics is our newest division, The Emergency Medicine Department and UCSD have been active leaders in health information technology (IT) and innovation for many years. The health system has been recognized as the highest level HIMSS analytics stage 7, as well as awarded “Most Wired” and “Most Wireless” hospitals in the nation.

The Department of Emergency Medicine has an established record with extramural funding from the NIH, RWJ Foundation, West Health Foundation, and a recent $15.3 million Beacon Community grant from the National Coordinator for Health IT. In addition, there is strong collaboration between the UCSD School of Medicine and the UCSD Jacobs School of Engineering (one of the nation's top ranked Engineering Schools) and the Qualcomm Institute for Telecommunications and Information Technology. Through these collaborations we’ve launched a number of research projects including electronic linkages between the ED and community clinics for data exchange, asthma MDI geospatial tracking with blue-tooth enabled environmental air quality monitors, “Big Data” analytics of public health data repositories, and OSHPD databases for tracking illness and utilization of EDs across California.

In collaboration with the Division of Bioinformatics in the Department of Medicine, (home for an NIH-funded National Center of Biomedical Computing and NLM grant to support training in a variety of areas including health care and bioinformatics) we have established an NIH-funded fellowship training program in Clinical Informatics.
A truly exciting development this past year for our division is the creation of the new San Diego Center of Excellence in Diving (SDCED). This first of its kind center is based on the premise that discoveries leading to advances in diving medicine and ocean health are essential to protecting diver health. SDCED is a collaboration of UCSD Health Sciences and Scripps Institution of Oceanography focused on diving physiology, medicine, and marine science. San Diego is also home to a critical mass of diving medicine specialists, marine researchers, and diving equipment manufacturers, and offers expedient ocean access. The center has thus far raised over half a million dollars in support. Through education, diving community partnerships, interdisciplinary training, collaborative research, and the translation of research into practical applications, SDCED will become the global leader in diving medicine and education in the protection of our marine environment in support of “Healthy Divers in Healthy Oceans.”
The Division of EMS is active clinically in our local EMS community, as well as leading several ongoing research and community projects, including two of California’s proposed Community Paramedicine Pilot Programs. Programs include continuous involvement in quality improvement and quality assurance activities for the region involving over 100,000 EMS calls annually; policy development, geographic information systems, custodial medicine issues such as restraints and TASER use, leading-edge informatics and health information exchange, and comprehensive care management for particularly vulnerable EMS users. Division faculty serve as medical directors for:

Agencies

- City of San Diego Fire-Rescue Department (Jim Dunford, MD)
- City of Chula Vista Fire Department (John Serra, MD)
- City of Carlsbad Fire Department (Gary Vilke, MD)
- Mercy Air – San Diego (Chris Sloane, MD)
- Mercy Air – Regional (Dan Davis, MD)
- AviaMedix – (Gary Vilke, MD)
- Rural/Metro Southwest Division (John Serra, MD)
- Disaster Medical Assistance Team CA-4 (Jake Jacoby, MD)

EMT/Paramedic Colleges

- Palomar (John Serra, MD)
- National College of Technical Instruction (AMR) (Chris Kahn, MD)
- EMSTA (Pete Witucki, MD)

Our faculty also serve on the editorial boards of journals such as Prehospital Emergency Care, the Annals of Emergency Medicine, the Journal of Emergency Medicine, and the Western Journal of Emergency Medicine. In addition, Division of EMS faculty serve as invited participants and subject matter experts for local, regional, and national interests including consulting groups, task forces of official bodies such as the National Association of EMS Physicians, the American College of Surgeons, the National Highway Traffic Safety Administration Office of EMS, and the National Quality Forum. UCSD is one of ten participating clinical sites across the US and Canada in the Resuscitation Outcomes Consortium, which has been operating with binational support for over ten years.

Click Here for more information about our Divisions or go to: http://healthsciences.ucsd.edu/som/emergency-med/divisions/Pages/default.aspx
A: Residents kayaking in La Jolla.

B: Residents Ken Choi and David Benaron practicing splinting.

C: Intern orientation in Big Bear, CA.

D: UCSD DEM Night at Japonais by Morimoto in Chicago for 2014 ACEP.

E: Dr. Andrew LaFree aboard Mercy Air.
This year 109 physicians from UC San Diego were featured in the annual San Diego Magazine “Physicians of Exceptional Excellence” survey and dubbed “TOP DOCS.” 12 of those selected are faculty or alumni from our own Department of Emergency Medicine.

Alumni

Shawn Evans, MD (Scripps La Jolla)
Allan Hansen, MD (Palomar)
Gene Ma, MD (Tri-City)
Daniel Meltzer, MD (Kaiser)

Faculty

Ted Chan, MD
Rick Clark, MD
Jim Dunford, MD
Paul Ishimine, MD
Aaron Schneir, MD
Chris Tomaszewski, MD
Gary Vilke, MD
Pete Witucki, MD

Research and Scholarly Activities

We are proud to announce that the department’s research and scholarly activities continue to grow. Ever since Henderson’s (J Emerg Med 2001;21(1):71-73) published review of scholarly productivity of Emergency Medicine programs from 1995-2000 where UCSD was #1 in total number of first author publications and #1 in first author manuscripts per full-time faculty member, we have continued to produce first rate academic papers. We have numerous grants, including clinical trials, administrative, bench and cutting edge multicenter collaborations.

The research associate program (http://emergencymed.ucsd.edu/research/Pages/associates.aspx) continues to grow, offering students the opportunity to participate in research while collecting important data. The DEMBER (Department of Emergency Medicine Behavioral Emergencies Research) lab continues to enroll patients in many of the research trials. We currently have our third research fellow in our clinical research fellowship program and are reviewing applications for others. All in all, the research in the UCSD Department of Emergency Medicine continues to grow by leaps and bounds. On the following pages we list our recent publications, grants and abstract presentations.
Hypotensive Effects of Risperidone Are Not Increased When Used in Conjunction with Benzodiazepines or in Alcohol Intoxicated Patients but May Increase in Elderly Patients. Hopper A, Deen J, Vilke GM, Castillo EM, Chen V, Hall D, Wilson MP


Does Emergency Department Interrogation Reduce ED Time for Patients with Pacemakers or ICDs? Killeen JP, Castillo EM, Brennan JJ, Vilke GM, Chan TC

The Impact of Post-Discharge Patient Call Back on Patient Satisfaction with the Emergency Department and Doctors and Nurses in Two Academic Emergency Departments. M Kanetaka, V Krishnan, EM Castillo, DA Guss

Should Rural Hospitals be Concerned about Frequent Users of Emergency Department Resources? Castillo EM, Chan TC, Hsia R, Killeen JP, Vilke GM, Brennan JJ


Does Law Enforcement Use Different Levels of Force if the Subject Appears to be Mentally Impaired? Vilke GM, Chan TC, Roberts EE, Moore JD, Parra KM, Castillo EM

Thirty-day Readmissions Through The Emergency Department In A Large, Metropolitan Region. Castillo EM, Killeen JP, Brennan JJ, Vilke GM, Hsia R, Chan TC

Multiple Emergency Department Use and 30-day ED Visits. Castillo EM, Brennan JJ, Hsia R, Killeen JP, Vilke GM, Chan TC

The Effect of Access to Electronic Health Records on Throughput Efficiency and Imaging Utilization in the Emergency Department. Knepper MM, Castillo EM, Chan TC, Guss DA


Mortality and Timing of Death in Patients with Runaway Pacemakers. Castillo EM, Dang AQ, Chan TC, Vilke GM

Predicting Frequent Use of Emergency Department Resources. Brennan JJ, Chan TC, Hsia RY, Vilke GM, Killeen JP, Castillo EM


Original Articles


Faculty Publications 2013-2014


Faculty Publications
2013-2014


Book Chapters
Fernandez, JA, Reverte, C. Transfusion Emergencies. In USMLE Road Map Emergency Medicine, (2013)
Fernandez, JA, Rifenburg, N: Major Trauma. In USMLE Road Map Emergency Medicine, (2013)

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<td>Ventilation in Obese Subjects</td>
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<td>Chest Imaging in Blunt Trauma</td>
<td>CDC</td>
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<td>Paint Treatment IV Ibuprofen Clinical Trial</td>
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<td>REAL: Rapid Evaluation of Acute Kidney Injury with NGAL</td>
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<td>Ecallantide for Acute Treatment of ACEI Angioedema</td>
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<td>AKINESIS: Acute Kidney Injury N-gal Evaluation of CHF</td>
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<td>STAT MERCURY: ED Clevidipine Utilization Registry</td>
<td>Medicines Co</td>
<td>$1400</td>
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<td>CHOPIN: Copentin for Early Detection of Patients with AMI</td>
<td>Brahms</td>
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<td>FAST TRAC: Rapid Serial Troponin Testing for ACS</td>
<td>Nanosphere</td>
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<td>MN-221 Clinical Trial in Acute Exacerbation of Asthma</td>
<td>MediciNova</td>
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</table>
A. UCSD DEM team meets with the Health Minister of Saudi Arabia.

B. Dr. Chris Sloane on top of Mt. Kilimanjaro, Tanzania giving a Wilderness Medicine talk.

C. Drs. Dunford & Tomaszewski with EM colleagues in Riyadh.

D. Resident Julie Watkins-Torry visits the EMS call center in Buenos Aires, Argentina.

E. Resident Gabe Wardi makes a new friend on elective in Thailand.

F. Recently graduated resident Erin King on elective in The Amazon.

G. Resident Dan Lasoff makes two new friends while on elective in Thailand.

H. Residents Gabe Wardi and Sow Kobayashi on elective in Indonesia.
Published every other year to provide news & information about Emergency Medicine to the health system, medical school, our alumni & friends.