



**Surgery Grand Rounds  
May 3rd,  
ACTRI, 7:00am - 8:30am  
and  
UC San Diego Faculty Club, 5:00pm - 8:30pm**



# UCSD Department of Surgery

# WELCOME

On behalf of the entire Department of Surgery at UC San Diego, we want to welcome you to the Department of Surgery's Sixth Annual Research Symposium in Surgical Sciences.

We want to thank Drs. Patricia Thistlethwaite, Jason Sicklick, Allen Ryan, Laura Godat, Antonio De Maio and Michael Bouvet for their help in moderating the scientific sessions and Ms. Tabitha Sedino, Lourdes Huirdes, Kaydee Silva and staff of the UC San Diego Faculty Club for their assistance in preparation for the event.



ANDREW BAIRD PHD and BRYAN CLARY MD, MBA



# UNIVERSITY *of* CALIFORNIA, SAN DIEGO

---

## SCHOOL OF MEDICINE

Bryan M. Clary, M.D., M.B.A.  
Professor and Chair, Department of Surgery  
MJ Orloff Family Endowed Chair in Surgery  
Surgeon-In-Chief  
UC San Diego Health

Dear Colleagues,

On behalf of Dr. Andrew Baird, Vice-Chair for Research, and myself, it is our privilege to host the 2017 Annual UC San Diego Department of Surgery *Research Symposium in Surgical Sciences*.

Today's program is an opportunity to recognize and celebrate the extraordinary research accomplishments of our faculty and trainees, who work every day to ensure better outcomes for our patients. Although conducting rigorous research is not without challenges—investigations do not always lead to anticipated or desired outcomes; funding is increasingly difficult to secure; our time and focus can be strained by competing commitments—few things are as rewarding as creating new knowledge and moving our field forward.

Igniting the passion of our trainees in our research mission is another key goal of our Department, and almost as rewarding as the benefit we gain from their curiosity, questions, and perseverance. We must periodically step back and reflect on our efforts, and celebrate them in a way that invigorates and prepares them to meet the challenges of tomorrow.

Today's symposium is also an opportunity to stimulate new ideas and collaborations by highlighting the breadth of research activities happening across the surgical disciplines. It is refreshing—and important—to occasionally lift our heads up, look around, and see what is happening outside of our silos. We may identify existing programs and resources that can enhance our own research portfolios, and the camaraderie of like-minded peers can be a source of inspiration and motivation.

Lastly, today's program is a way for me to say *Thank You* and *Job Well Done* to all of you who are pushing our fields forward. A Department of Surgery that does not prioritize a research agenda will not only fail to make things better for tomorrow's patients, but will also fail to provide the best care to today's patients. I am firmly convinced that providers who read about, write about, and study the diseases they treat are poised to provide a quality of care that cannot be achieved by those who only focus on today's technology and know-how.

So please celebrate with us your many accomplishments. I hope that you will come away as excited as I am about the great things happening in our Department.

Sincerely,

A handwritten signature in blue ink, appearing to be "B. Clary".

Dr. Clary

## **Participating Surgical Disciplines**

1. Bariatric, Metabolic and Minimally Invasive Surgery.
2. Cardiothoracic Surgery.
3. Colorectal Surgery.
4. Endocrine Surgery
5. Hepatobiliary and Transplant Surgery
6. Neurosurgery.
7. Otolaryngology.
8. Plastic and Reconstructive Surgery.
9. Surgical Oncology.
10. Trauma, Surgical Critical Care, Burns and Acute Care Surgery.
11. Urology.
12. Vascular and Endovascular Surgery.



McCubbin	Ryan	Blocking IL-17 Signaling Attenuates Alcohol Induced Liver-Brain Inflammatory Axis
Mercado	Francisco	Cooperation Of RNA Binding Proteins Musashi 1 And 2 In Pancreatic Cancer Progression
Miyake	Kentaro	A Patient-Derived Orthotopic Xenograft (PDOX) Model Of Recurrent Ewing's Sarcoma Identifies Effective Therapy
Miyake	Kentaro	High Efficacy Of Eribulin On Doxorubicin-Resistant Ewing's Sarcoma Patient-Derived Orthotopic Xenograft (PDOX) Nude Mouse Model
Musallam	Sami	Characterization of Primary Human Hepatic Stellate Cells
Sharma	Shweta	A Spontaneous Three-Dimensional Model to Induce Epithelial Mesenchymal Transition in Pancreatic Tumor Cells
Xu	Jun	The Origin of Myofibroblasts in Cholestatic Liver Fibrosis
Zhang	Yu	Differential Notch Ligand Signaling Drives the Pulmonary Hypertensive Phenotype

## **(B) CLINICAL SCIENCES**

Cronin	Brendan	A Primary Comparison of Perioperative Mastectomy Complications by Indication for Surgery
Dobke	Marek	UCSD Plastic Surgery - Hub for Research on Regenerative Medicine and Stem Cells Based Surgery.
Inui	Tazo	Brachial Artery Hemodynamics Assessed by Duplex Ultrasound Is Diagnostic of Dialysis Access-associated Steal Syndrome
Jubbal	Kevin	Diagnosis and Management of Groin Pain in Athletes
Liu	Shanglei	Sleeve Gastrectomy for High Risk Veteran Obese Patients with Diabetes
Liu	Shanglei	Robotic Transanal Minimally Invasive Surgery (TAMIS) for Rectal Neoplasm: A First North American Experience of Two Institutions
Pang	John	Chronic opioid use following surgery for oral cavity cancer
Tringale	Kathryn R	Opiate prescribing patterns and associated clinical factors in patients undergoing surgery for oral cavity cancer
Wali	Arvin R	The Balloon Bridge: A Novel Technique for Crossing a Carotid Stent
Wali	Arvin R	Laterality of MCA occlusion as a predictor of peri-procedural intubation during thrombectomy

## **(C) HEALTH SERVICES & OUTCOMES RESEARCH**

Jafari	Aria	Impact of Humanitarian Experiences on Otolaryngology Trainees
Jubbal	Kevin	Is Age a Contraindication for Microsurgery?
Kordahi	Anthony	Trends in Racial, Ethnic and Gender Diversity in Integrated vs. Independent Plastic Surgery Residencies.
Lance	Samuel	Surgeon specialty and reconstructive outcomes in alveolar bone grafting for patients with oral clefts
Liu	Shanglei	Solving the Surgeon Ergonomic Crisis with Surgical Exosuit
Nguyen	Vi	Caveat Emptor - Defining the Landscape of Publishers Actively Soliciting Manuscript Submissions
Nguyen-Ta	Kim	Analysis of the impact of a clinical decision support intervention in reducing red blood cell transfusion utilization in the general and subspecialty surgery services
Park	Andrew	Evaluation of Various Information Sources in Plastic Surgery Decision-Making
Wali	Arvin R	Pipeline Embolization Versus Coiling for the Treatment of Large Unruptured Intracranial Aneurysms: Cost-Effectiveness Over a 10-Year Projection
Wali	Arvin R	Improvements in Door to Groin Puncture Time for Surgical Stroke After Quality Protocol Interventions at the University of California, San Diego.

**PART 3** (UCSD Faculty Club, Dining)**6:05-8:00 pm ORAL PRESENTATIONS**

<b>(A) BASIC RESEARCH</b>		<b>CHAIRS: Drs. Allen Ryan and Patricia Thistlethwaite</b>
6:05	Quyen Nguyen	Injectable Peptides To Improve Intraoperative Nerve Identification and Preservation
6:10	Erin Ward	Compensatory Changes in the Tumor-associated Immune Cell Profile in the Microenvironment of Breast Cancer Pulmonary Metastasis
6:15	Jayanth Shankara-Naryanan	Irreversible Electroporation Of Pancreatic Cancer Can Induce "In Situ" Vaccination Effect And Elicit Anti-Tumor Immune Response
6:20	Divya Sood	Characterizing the Epigenetic Landscape Identifies Putative Therapeutic Targets in the Pancreatic Cancer Chimera
6:25	Thinzar Lwin	Tumor-specific antibody labeling of pancreatic cancer in a patient-derived orthotopic xenograft (PDOX) mouse model using a fluorescent humanized anti-CEA antibody
6:30	Ricardo Capone	Modulation of amyloid $\beta$ peptide oligomerization and toxicity by extracellular Hsp70 in Alzheimer disease
6:35	Marie-Liesse Asselin-Labat	Activation Of Oncogenic K-RAS In Lung Epithelial Cells Results In Cell De-Differentiation To An Embryonic Lung Progenitor Cell Phenotype.
6:40	Priyanka Chaudhary	Anti-CTGF Therapy for Non-Small Cell Lung Cancer
(6:45pm 5 minute transition)		
<b>(B) CLINICAL RESEARCH</b>		<b>CHAIRS: Drs. Jason Sicklick and Michael Bouvet</b>
6:50	Christopher Reid	A Novel Method for Quantifying Intracranial Volume Change by Distraction Osteogenesis for Craniosynostosis
6:55	Jonathan DeLong	Indocyanine Green (ICG) Fluorescence-Guided Parathyroidectomy for Primary Hyperparathyroidism
7:00	Daniel Han	Pathological Determinants of Recurrence and Survival in Stage II Renal Cell Carcinoma
7:05	Chinwe Kpaduwa	Classification and management of congenital breast anomalies
7:10	Ran Luo	How bariatric surgery affects liver volume and fat density in NAFLD patients
7:15	Rebecca Marmor	Home CHG Bathing Component of Perioperative SSI Prevention Bundle Independently Decreases Infection Risk
7:20	Bharat Panuganti	Short-Term Morbidity Following Endoscopic Modified Lothrop (Draf-III) Procedure Compared to Draf-Ia
7:25	John Pang	Chronic opioid use following surgery for oral cavity cancer
(7:30pm 5 minute transition)		

<b>(C) HEALTH SERVICES &amp; OUTCOMES RESEARCH</b>		<b>CHAIRS:</b> Drs. Laura Godat and Antonio De Maio
7:35	Andrew Barleben	Endosalvage Techniques – Long-Term Results of Perigraft Arterial Sac Embolization (PASE) Suggest Safety, Efficacy & Durability
7:40	Charlie Chen	A Longitudinal Look at Resident Cosmetic Experience
7:45	Aria Jafari	Revision rates and time to revision following endoscopic sinus surgery: a large database analysis
7:50	Sean Li	The Impact of Residents on Patient Satisfaction
7:55	Shanglei Liu	Modernizing Surgical Education: Digital Motion Tracking of Hand Movements During Surgical Knot Tying
<b>PART 4</b> (UCSD Faculty Club, Dining)		
<b>Keynote Address</b> (CHAIR: Dr. Bryan Clary)		
<b>8:05 pm</b> <b>Keynote Address</b> ( CHAIR: Dr. Bryan Clary)		<b>Professor Alan D. Kirk, MD, PhD</b> <b>“The Surgeon Scientist”</b>