Research... It’s in our DNA

Resident Research Day Symposium
Michael E. DeBakey Department of Surgery

Wednesday, June 7, 2017
Denton A. Cooley Auditorium
We are pleased to welcome you to the Fifth Annual Michael E. DeBakey Department of Surgery Resident Research Day Symposium.

The mission of the department’s research program is to conduct important research in surgical disease that will improve treatment and quality of life for affected patients, and to train future leaders in academic surgery. Today’s symposium underscores both aspects of this mission by highlighting the exciting research activities of our residents, fellows, and students. Our trainees will present work that spans all of our divisions and all of our affiliated hospitals. Their accomplishments also reflect the outstanding mentorship that our faculty members provide to our trainees.

We are honored to welcome Dr. Karl Y. Bilimoria, Director of Surgical Outcomes and Quality Improvement Center (SOQIC), John B. Murphy Professor of Surgery, Vice Chair for Quality in the Department of Surgery at Feinberg School of Medicine, Northwestern University, as our keynote speaker presenting, “Informing Policy with Evidence: The FIRST Resident Duty Hour Trial.”

We are extremely grateful to our panel of guest physician-scientists—Drs. Hoda Badr, Ruth Bush, Jizhong Cheng, Israel Christie, Thomas Cooper, Mark Entman, Ngozi Mbue, Frederick Pereira, Chelsea Ratcliff, David Sheikh-Hamad, Felicia Skelton, and Xiaodong Zhou—who have generously given their time to score the submitted scientific abstracts and serve as judges in today’s competitions.

Finally, we sincerely thank Ronnetta Eaton, Terry Fisher, Scott Holmes, Holly Shilstone and Amy Silva for their invaluable assistance in organizing this event.

We hope that you will join us in congratulating all of today’s participants on their achievements.

Todd K Rosengart MD
Chairman

Scott A LeMaire MD
Vice Chair for Research

Changyi (Johnny) Chen MD PhD
Chief, Division of Surgical Research

Barbara Trautner MD PhD
Director of Clinical Research

Today, the Department has over 150 full-time faculty, who are organized into the following surgical divisions: Abdominal Transplantation, Cardiothoracic Surgery, Cardiothoracic Transplantation & Circulatory Support, Congenital Heart Surgery, General Surgery, General Thoracic Surgery, Pediatric Surgery, Plastic Surgery, Surgical Oncology, Surgical Research, and Vascular Surgery & Endovascular Therapy. Each year, patients from around the world seek the surgical care of our faculty. In all, the Department serves the surgical needs of more than 100,000 patients annually at six affiliated institutions. These modern facilities, all located within the Texas Medical Center, are fully equipped to support state-of-the-art surgical techniques and surgical care.

Michael E. DeBakey
Department of Surgery
One Baylor Plaza MS390
Houston, Texas 77030
713-798-8070
www.bcm.edu/surgery
Karl Y. Bilimoria, MD, MS
Director, Surgical Outcomes and Quality Improvement Center (SOQIC)
John B. Murphy Professor of Surgery
Vice Chair for Quality, Department of Surgery
Feinberg School of Medicine, Northwestern University

Faculty Scholar, American College of Surgeons

Keynote Address
“Informing Policy with Evidence: The FIRST Resident Duty Hour Trial”

Dr. Bilimoria is a surgical oncologist and a health services and quality improvement researcher at Northwestern University. Dr. Bilimoria is the Director of the Surgical Outcomes and Quality Improvement Center of Northwestern University (SOQIC) and the Vice Chair for Quality. Dr. Bilimoria’s research agenda focuses on improving healthcare quality measurement and delivery. He has a particular interest in large, pragmatic cluster-randomized trials examining hospital quality initiatives and healthcare policies. He is the Director of the Illinois Surgical Quality Improvement Collaborative (ISQIC) and the Principal Investigator of the FIRST Trial. He is a Faculty Scholar at the American College of Surgeons. He has published more than 250 scientific articles with multiple recent studies in *JAMA* and the *New England Journal of Medicine*, and his research is funded by the NIH, AHRQ, ACS, NCCN, ACS, ABS, ACGME, and HCSC. He was recently listed by *Becker’s* as one of the “Top 50 Experts Leading the Field of Patient Safety” in the U.S.
Program Schedule

6:30 – 7:00  Breakfast

7:00 – 7:10  Welcome
Dr. Todd K. Rosengart

7:10 – 7:20  Opening Remarks
Michael Covert, FACHE
President and CEO
CHI St. Luke’s Health

7:20 – 8:05  Keynote Address
“Informing Policy with Evidence: The FIRST Resident Duty Hour Trial”
Dr. Karl Bilimoria

8:05 – 9:05  Quick Shot Scientific Presentation Competition
(3 min + 3 min questions)
Moderators: Drs. Rob Todd and Lauren Kane

“Coming Full Circle: Addition of Oral Antibiotics to Mechanical Bowel Preparation for Left-sided Colorectal Cancer Resections Decreases Surgical Site Infections” Dr. Elaine Vo

“Sleep Disturbances and Cognitive Impairment: A Pilot Study in Older Adults” Mona Amirmazaheri

“Optimizing Non-invasive Radiofrequency Hyperthermia Treatment for Improving Drug Delivery in 4T1 Mouse Breast Cancer Model” Dr. Jason Ho

9:20 – 9:40  Coffee Break – Visit Posters

“Does Physiological Stress Alter Wound Healing in Patients with Diabetes?”
Dr. Javad Razjouyan

“Vascular Invasion as a Prognostic Indicator in Pediatric Patients with Hepatoblastoma” Dr. Yan Shi

“Subjective vs. Objective Assessment of Surgical Proficiency during Vascular Anastomosis” Dr. Sanaz Razmara

“Unplanned Readmissions after Open Thoracoabdominal Aortic Aneurysm Repair” Dr. Darrel Wu

“Blue-light Cystoscopy’s Effects on Management of Bladder Cancer When Compared to Traditional White-light Cystoscopy” Dr. Andrew Mount

“Rabbit Model of Ocular Indirect Photodynamic Therapy”
Dr. Bradley Jacobsen

“Instrumented Trail-Making Task (iTMT) to Differentiate Persons with Non-frailty, Pre-frailty, Frailty - Proof of Concept Study” Dr. He Zhou
9:40 – 10:25 Scientific Presentations – Clinical Research
(7 min + 3 min questions)
Moderators: Drs. Sohail Shah and M. Andrew Davis

“A Prospective Same Day Discharge Protocol for Pediatric Appendicitis: Adding Value to a Common Surgical Condition” Dr. Yangyang Yu
Invited discussant: Dr. Timothy Lee

“Potential Application Toward Using Smart Watch to Assess Frailty Status in Hospital Setting Using a Single Wrist Wearable Sensor” Dr. Hyoki Lee
Invited discussant: Dr. James Suliburk

“Physiological Stress Response as a Potential Metric to Determine Frailty in Older Cancer Survivors” Nesma Khalil
Invited discussant: Dr. Nader Massarweh

“Adjuvant Chemotherapy for Adenocarcinoma of the Small Intestine in a Veteran Population: Minimal Impact on Survival” Dr. Somala Mohammed
Invited discussant: Dr. Eugene Choi

10:25 – 11:10 Scientific Presentations – Basic Science
(7 min + 3 min questions)
Moderators: Drs. Sundeep Keswani and Bryan Burt

“Therapeutic Targeting of Tumor-Promoting Macrophages In EGFR Mutant Lung Adenocarcinoma with Trabectedin” Dr. Hee-Jin Jang
Invited discussant: Dr. Cathy Yao

“Inflammatory Regulation of Extracellular Matrix and Angiogenesis Results in Attenuated Renal Fibrosis” Dr. Xinyi Wang
Invited discussant: Dr. Hu Ying Shen

“MDM4 Inhibition as a Therapy to Reactivate p53 in Liver Cancer” Dr. Sarah Woodfield
Invited discussant: Dr. Hop Tran Cao

11:10 – 11:45 Student Quick Shot Presentations
(Top 5 – 3 min + 3 min questions)
Moderators: Drs. Ramyar Gilani and Ernesto Jiminez

“Severe Major Depression Adversely Affects Post-Operative Outcomes” Eric Lo

“Multi-Institutional Comparison of Open, Laparoscopic, Hand-Assisted Laparoscopic, and Robotic Techniques for Distal Pancreatectomy” Kevin Shah

“Virtual Simulation Improves a Novice’s Ability to Localize Renal Tumors in 3D Physical Models – a Multi-institutional Prospective Randomized Controlled Study” Ryan Siller

“Prevalence of Adrenal Incidentalomas and Adherence to Practice Guidelines in a Veteran Population” - Alexandra Buffie

“IL-10 Regulates CD26 and miR-29b Expression in Adult Murine Fibroblasts” Walker Short

“Blocking CTLA-4 Enhances HIV-specific B-cell Responses in HIV VLP Vaccination” Phoebe Lewis

11:45 – 12:00 Awards
Poster # 1
“Correlation of Metabolic Profiles by Desorption Electrospray Ionization Mass Spectrometry with Clinical Stage of Non-Medullary Thyroid Cancer”
Dr. Elizabeth Alore

Poster # 2
“Objective Hand Motion Assessment for Surgical Proficiency Using Flexible Wearable Sensors”
Dr. Nestor Arita

Poster # 3
“Use of Dual Lumen VV ECMO for Neonatal and Pediatric Patients in a Tertiary Care Children’s Hospital”
Dr. Jennifer Carpenter

Poster # 4
“Purple Urine Bag Syndrome in an Outpatient Setting”
Dr. Jessie Chen

Poster # 5
“Mitrval Valve Repair as a Quality Indicator for Mitral Valve Surgery: 7 Year Outcomes at a Veterans Hospital”
Dr. Peter Chen

Poster # 6
“EndoAnchors to Prevent and Treat Gutter Endoleaks with Parallel Endograft in Juxtarenal and Thoracoabdominal Aortic Aneurysms”
Dr. Angela Echeverria

Poster # 7
“Impact of Shoe Closure on Plantar Thermal Stress Response”
Ana Enriquez

Poster # 8
“MELD-Na (the new MELD) and Peri-operative Outcomes in Emergency Surgery”
Elizabeth Godfrey

Poster # 9
“Chordoma Recurrence Patterns: How Best to Utilize Limited Resources for Surveillance”
Dr. Ascher Kaufmann

Poster # 10
“Stochastic Analysis of Add-on Cases on an Elective Schedule with Dedicated Block Time”
Dr. Srikanth Kurapati

Poster # 11
“Correlation of Renal NIRS Measurements and Urine Production in Congenital Diaphragmatic Hernia patients on ECMO”
Dr. Patricio Lau

Poster # 12
“Hospital Minimally Invasive Surgery Utilization for Gastrointestinal Cancer”
Dr. Meredith Mason

Poster # 13
“Sequential Drain Amylase to Guide Drain Removal Following Pancreatectomy”
Jose Mendez

Poster # 14
“Make Feeling Great Again: Exergaming as a Potential Therapy for CIPN Patients”
Louie Morsy

Poster # 15
“Grade I and II Rectal Trauma – is it Safe to Avoid Diversion?”
Dr. Tashinga Musonza

Poster # 16
“Robotic Port Site Hernias after General Surgical Procedures – A Single Institution Experience”
Dr. Carlos Palacio
Poster # 17
“Diagnosis, Morbidity and Management of Primary Aortic Thrombosis with Distal Embolization”
Dr. Zachary Pallister

Poster # 18
“Incidence of Peri-operative T-wave Inversion in Patients Undergoing Non-cardiac Surgery and Postoperative Outcome”
Dr. Katherine Peterson

Poster # 19
Dr. Christopher Pirko

Poster # 20
“Long-term Outcomes after the Excision of Horseshoe Urethral Diverticulum”
Dr. Shreeya Popat

Poster # 21
“Using Frailty and Cognitive Assessment to Predict Adverse Events after Major Vascular Intervention – Application of Wearable Technologies”
Dr. Hadi Rahemi

Poster # 22
“Observation May be Safe in Well-selected Patients with Focal Extraprostatic Extension and Negative Surgical Margins if Salvage Radiation Instituted Early”
Dr. Jorge Rivera Mirabal

Poster # 23
Dr. Eric Rosenfeld

Poster # 24
“Improving Thyroidectomy Discharge Instructions through a Delphi Consensus Method”
Dr. Aaron Scott

Poster # 25
“Should Non-Resuscitative Emergent Thoracotomy for Blunt Thoracic Trauma be Guided by Chest Tube Output?”
Dr. Catherine Seger

Poster # 26
“Long-Term Outcomes of Lower Extremity Graft Preservation Using Antibiotic Bead Placement in Patients with Early, Deep Wound Infection after Major Arterial Reconstructions”
Sherene Sharath

Poster # 27
Noreen Siddiqi

Poster # 28
“Predictors of Severity and Outcome for Fetuses Diagnosed with Neck Masses”
Dr. Candace Style

Poster # 29
“Penetrating Liver Injury Outcomes”
Dr. Galina Toneva

Poster # 30
“Evidence vs Practice in Early Drain Removal Following Pancreatectomy”
Dr. Nicole Villafañe-Ferriol

Poster # 31
“Biliary Complications in Pediatric Liver Transplantation for Cystic Fibrosis: A Single-center Experience with Choledochocholedochostomy”
Dr. Megan Vu

Poster # 32
“A Systematic Review of Outcomes in Prepectoral Implant-based Breast Reconstruction”
Ryan Wagner

Poster # 33
“Disease Progression on Neoadjuvant Chemotherapy is a Strong Predictor of Recurrence for Pediatric Hepatoblastoma”
Dr. Michael Kueht

Poster # 34
“Review of Tests to Predict Wound Healing in Peripheral Artery Disease Patients with Diabetic Foot Ulcer (DFU)”
Yulian Yestin
Poster # 35
“Postoperative Anemia and High Baseline Cardiac Risk Increase Morbidity and Mortality after Major General and Vascular Surgery Interventions”
Dr. Nader Zamani

Poster # 36
“Waitlist Outcomes in Pediatric Lung Transplantation: Poor Results for Children Listed in Adult Transplant Programs”
Dr. Brandi Scully

Poster #37
“Identification of Novel CDK9 and Cyclin T1-associated Protein Complexes (CCAPs) Whose siRNA Depletion Enhances HIV-1 Tat Function”
Dr. Hart Donahue
Poster # 38
“A Longitudinal Study of Patient-Reported Outcomes in Adolescent Breast Reduction”
Tara Braun

Poster # 39
“Evolving Biopsy Techniques for Neuroblastoma in Children”
Giovanni Campagna

Poster # 40
“Missed Opportunities to Promptly Diagnose and Surgically Treat Adrenal Tumors”
Danielle Clark

Poster # 41
“Postoperative Outcomes for Children Undergoing Resection of Primary Liver Malignancies”
Sarah Jane Commander

Poster # 42
“Evaluating Urinary Retention Following Minimally Invasive Repair of Pectus Excavatum and the Need for Foley Catheters”
Tyler Friske

Poster # 43
“Surgical Treatment of Pediatric Hepatoblastoma and Risk of Disease Recurrence”
Tu-Anh Ha

Poster # 44
“Postoperative Resource Utilization After Minimally Invasive Repair of Pectus Excavatum”
Abdur Jamal

Poster # 45
“Futility No More: Critically Injured Trauma Patients with Severe Acidosis”
Vivek Karun

Poster # 46
“A 15 Year Experience of Anal Carcinoma in a Veteran Population Comparing HIV vs Non-HIV Patients”
Bradly Kimbrough

Poster # 47
“Evaluating Postoperative Urinary Retention in Children with Perforated Appendicitis and the Need for Foley Catheters”
Joshua Lackey

Poster # 48
“Evaluating Postoperative Feeding Regimens after Laparoscopic Gastrostomy Placement”
Kirea Mazzolini

Poster # 49
“Automating Post-Operative Care through Short Message Service (SMS): A Pilot Study”
Priyanka Moolchandani

Poster # 50
Patrick Nguyen

Poster # 51
“Impact of Elderly Age on Complications and Clinical Outcomes following Anterior Lumbar Interbody Fusion Surgery”
Tommy Tran

Poster # 52
“Same Day Discharge Following Drainage of Pediatric Subcutaneous Abscesses”
Nathan White
Project Plan # 1
“Blunt vs. Penetrating Trauma: Is There a Resource
Intensity Discrepancy?”
Dr. Paul Albini

Project Plan # 2
“Chimeric Antigen Receptor T cell Therapy as a Novel
Treatment for Pancreatic Adenocarcinoma”
Dr. Katherine Baugh

Project Plan # 3
“Current and Former Resident Survey of Formal
Residency Education on Documentation, Coding, and
Healthcare Policy”
Dr. Sean Bender

Project Plan # 4
“Does Early Vascular Surgery Evaluation in Patients with
Diabetic Foot Infection Affect Outcomes?”
Dr. Kathryn Capasso

Project Plan # 5
“Utilization of Insight Program at Ben Taub Hospital
Based on Socioeconomic Level”
Dr. Justin Choi

Project Plan # 6
“Can aNIRS be Used to Predict the Development of
Cardiogenic NEC in Neonates”
Dr. Mariatu Cole

Project Plan # 7
“Standard Blood Cardioplegia versus del Nido
Cardioplegia in Complex Aortic Surgeries”
Dr. Erin Corsini

Project Plan # 8
“Training the Essential Surgeon: The Diploma in
Tropical Surgery, Obstetrics, and Gynecology Skills
Course”
Dr. Rachel Davis

Project Plan # 9
“Ocular Injury Management in the Pediatric Patient”
Dr. Angeline Derham

Project Plan # 10
“An Algorithm for Chest Tube Management in Pediatric
Patients”
Dr. James Elder

Project Plan # 11
“Measurement of Lead Times in Perioperative and
Operating Room Processes at West Tower Main
Operating Rooms in Texas Children’s Hospital –
Opportunities for Quality Improvement”
Dr. Robert Ethel

Project Plan # 12
“Developing a Guideline for Ideal Use of Urinary
Catheterization in Critically Ill Surgical Patients”
Dr. Jamie Fitch

Project Plan # 13
“Improving Patient Understanding of Erectile
Dysfunction with Waiting Room Interactive Tablet
Application”
Dr. Hunter Fuentes
Project Plan # 14
“Is Regional Anesthesia Associated with Increased Maturation Rate for ArterioVenous Fistula for Patients with End-Stage-Renal-Disease? Project Plan for an Eight-year Single Institution Retrospective Review”
Dr. George Gkotsis

Project Plan # 15
“Grab That and Move it There: Getting Your Resident to Understand”
Dr. Jebran Haddad

Project Plan # 16
“Using Wearable Technology for Predicting Adverse Events and Outcomes Post-LVAD Implantation: Rationale and Study Design for an Ongoing Pilot Study”
Dr. Arash Hamvatan

Project Plan # 17
“Symptomatic Blunt Cerebrovascular Injuries”
Dr. Ahmed Khouqeer

Project Plan # 18
“Portal Vein Thrombosis in Patients after Hepatic Resection and Sequelae of Therapeutic Anticoagulation in a Single Academic Institute”
Dr. Anna Lakoma

Project Plan # 19
“Burnout at Baylor: A Survey of Surgeons”
Dr. Alicia Lay

Project Plan # 20
“Civilian Pre-hospital Tourniquet Use is Associated with Improved Survival in Patients with Peripheral Vascular Injuries”
Dr. Michael Long

Project Plan # 21
“Coagulation Abnormalities, Coagulopathy, and its Clinical Impact in Wilm’s Tumor”
Dr. Alpin Malkan

Project Plan # 22
“Using the WIfI Classification System as a Predictor of Amputation Risk and Re-vascularization Success in Patients with Critical Limb Ischemia”
Dr. Jessica Mayor

Project Plan # 23
“Risk Factors Indicating Futility of Cardiac Surgery in the Elderly”
Dr. Vivekkumar Patel

Project Plan # 24
“Rates of Violence During Election Years”
Dr. Eric Rachlin

Project Plan # 25
“Multimodality Testing in the Diagnosis and Treatment of Vasopastic Traumatic Subarachnoid Hemorrhage”
Dr. Christopher Riley

Project Plan # 26
“The Natural History of Penetrating Spinal Cord Injuries”
Dr. John Saydi

Project Plan # 27
“Additive Bioengineering of Vascular Conduits in the Porcine Model”
Dr. Denny Scaria

Project Plan # 28
“Telehealth Model for Routine Pediatric Surgery Post-operative Follow Up Care”
Dr. Aspinder Singh

Project Plan # 29
“Melding Critical Care and Palliative Care Principles”
Dr. Emily Steen

Project Plan # 30
“Inflammatory Bowel Disease: Is a Combined Multidisciplinary Clinic Beneficial?”
Dr. Christopher Taylor

Project Plan # 31
“Early versus Late endoscopic Retrograde Cholangiopancreatography in the Management of Traumatic Biliary Injury”
Dr. Laura Trujillo
Project Plan # 32
“Are Liver Transplant Candidates Living in Rural Areas of Texas Underserved by TIPS?”
_Shreya Goyal_

Project Plan # 33
“How Does Gender Impact Cerebral Autoregulation in Patients with Continuous-flow Left Ventricular Assist Devices?”
_Mary Kim_

Project Plan # 34
“The Impact of a Peer Support Group on Medication Compliance and Quality of Life in Adolescent Liver Transplant Recipients”
_Jordan Kohler_

Project Plan # 35
“Frailty and Cognitive Function as a Predictors of Fall Risk and Associated Fall Risk Outcomes”
_Sergio Navarro_

Project Plan # 36
“Effect of Intraoperative Gross Pathology in Breast Conserving Surgery on Preventing Positive Final Margins”
_Evelyn Pan_

Project Plan # 37
“Impact of Cold Ischemia Time on Liver Transplantation Outcomes: A National Experience of Over 65,000 Transplants”
_Paul Rizk_

Project Plan # 38
“Percutaneous Spleno-Portal Bypass as a Minimally Invasive Alternative to the Meso-Rex Bypass”
_Dor Yoelli_
Past Awardees

2013

**Best Oral Presentation** - Dr. Darrell Wu
“NLRP3 Inflammasome Cascade Activates MMP-9 and Induces Smooth Muscle Cell Contractile Dysfunction and ECM Destruction in Thoracic Aortic Disease”
*Mentors: Dr. Scott LeMaire and Dr. Ying Shen*

**Best Poster Presentation** - Dr. Irene T. Ma
“DUSP26 Inhibition: A Potential Therapeutic Pathway in Neuroblastoma”
*Mentor: Dr. Sanjeev A Vasudevan*

2014

**Best Quick Shot Scientific Presentation** - Dr. Somala Mohammed
“Improving Chimeric Antigen Receptor Modified T-cell Function by Reversing the Immunosuppressive Tumor Microenvironment of Pancreatic Cancer”
*Mentor: Dr. William E Fisher*

**Best Clinical Research Scientific Presentation** - Dr. Nicole Tapia
“Checklist-enhanced Handoffs: A Randomized Controlled Trial of Standardized Surgical Resident Handoff”
*Mentor: Dr. James W Suliburk*

**Best Basic Science Scientific Presentation** - Dr. Darrell Wu
“Oxidative Stress Induces Smooth Muscle Cell Contractile Dysfunction Leading to Aortic Wall Failure”
*Mentors: Dr. Scott LeMaire and Dr. Ying Shen*

**Best Student Quick Shot Presentation** - Kelsey Lau
“The Impact of a Regional Hepato-pancreaticoduodenal Surgical Program on Clinical Volume, Quality of Cancer Care, and Outcomes in the VA System”
*Mentor: Dr. Daniel Anaya*

2015

**Best Quick Shot Scientific Presentation** - Dr. Yan Shi
“MDM4 is a Potential Novel Therapeutic Target in Hepatocellular Malignancy”
*Mentor: Dr. Sanjeev A Vasudevan*

**Best Clinical Research Presentation** - Dr. Gala M. Barden
“Association of Surgical Site Infection with Survival and Receipt of Adjuvant Chemotherapy after Curative Resection for Non-metastatic Colon Cancer”
*Mentor: Dr. Daniel Anaya*

**Best Basic Science Presentation** - Dr. Somala Mohammed
“Improving Chimeric Antigen Receptor-modified T cell Function by Reversing the Immunosuppressive Tumor Microenvironment of Pancreatic Cancer”
*Mentor: Dr. William E Fisher*

**Best Student Quick Shot Presentation** - Omar Merchant
“Potential of Highly Angiogenic Peptides for Ischemic Tissue Disease”
*Mentor: Dr. Jeffrey Hartgerink (Rice University)*

2016

**Best Quick Shot Scientific Presentation** - Dr. Celia Robinson
“The Effect of a Preoperative Decontamination Protocol on Surgical Site Infections in Elective Surgery”
*Mentor: Dr. Samir S Awad*

**Best Clinical Research Presentation** - Dr. Jennifer Moffett
“Probability of Transplant (POT) Index: A Novel Method to Predict the Likelihood of an Adult Liver Transplant”
*Mentor: Dr. Abbas Rana*

**Best Basic Science Presentation** - Dr. Vivek Patel
“Unlocking Reprogramming Capability: Silencing Antiplasticity Gene p63 Enhances the Reprogramming of Fibroblasts into Induced Cardiomyocytes”
*Mentor: Dr. Todd K Rosengart*

**Best Student Quick Shot Presentation** - Phoebe Lewis
“Combination Therapy of miR-198 with Gemcitabine Reduces Tumor Progression in Patient-derived Xenografts (PDX) Models for Pancreatic Ductal Adenocarcinoma (PDAC)”
*Mentor: Dr. Qizhi Yao*
Our comprehensive clinical trial management services, provided by the dedicated research support team housed in our department, allow us to offer you, as our research partner, an efficient, cost-effective, and high-fidelity way of performing clinical trials under a single IRB platform.

Team
Clinical trial coordinators, regulatory experts, grants and contract managers, research nurses, a biostatistician, database experts, a medical editor, and a medical illustrator are available to assist with performing clinical trials and preparing the results for presentation.

Clinical Research Support
Our pool of research coordinators can help with clinical trials by working with a research partner to convey proposals all the way from IRB submission to enrollment of the final subject at one or all Baylor College of Medicine’s 4 major clinical sites. Our team includes research nurses, a physician assistant, and five trials management research assistants who are available to support clinical studies. These individuals are skilled at IRB submission, informed consent, clinical monitoring, completing case reports, regulatory compliance, and final report submission.

Budget Planning
Our budget specialists provide support with IRB preparation and help facilitate the completion of the trial.

Clinical Sites
Baylor College of Medicine currently has four potential sites for clinical studies, covered under one IRB: the Michael E. DeBakey Veterans Affairs Medical Center, Ben Taub Hospital, Texas Children’s Hospital, and the Baylor St. Luke’s Medical Center. Our coordinators are credentialed to enroll subjects at all these sites.

Our experienced research core team can be a resource to you in getting your products tested. Consider the Michael E. DeBakey Department of Surgery at Baylor College of Medicine as a potential partner in your next trial.

Services
- IRB templates/examples
- Advice on required human subjects training and research regulations
- Statistical support
- Literature search
- Abstract/manuscript editing
- Preparation of figures, tables, and medical illustrations

Contact Us
To find out more:
Email: surgicalresearch@bcm.edu

Visit our web site at:
www.bcm.edu/departments/surgery/research/core
The Pursuit of Excellence is Our Objective

The Michael E. DeBakey Department of Surgery at Baylor College of Medicine owns one of the great legacies in surgery. The outstanding surgeons and faculty of the Department—more than 150 in all—remain dedicated to advancing that legacy in the arenas of patient care, biomedical research, and medical education.

Michael E. DeBakey
Department of Surgery
One Baylor Plaza MS390
Houston, Texas 77030
713-798-8070