ABDOMINAL TRANSPLANT SURGERY
Allan D. Kirk, MD, PhD
Machine Learning for Surgeons
American College of Surgeons
Nonhuman Primate Reagent Resources
University of Massachusetts Medical School
National Institutes of Health
Donor Apoptotic Cell Infusion for Tolerance to Monkey Kidney Allografts
The Board of Regents of the University of Wisconsin System
National Institute of Allergy and Infectious Diseases
Stuart J. Knechtle, MD
ITNO95ST Measuring Allospecific Impact of Belatacept/Carfilzomib Desensitization Protocol Chair
Immune Tolerance Network
National Institute of Allergy and Infectious Diseases
A Proposal to Support Chronic Kidney Disease
The Henry E. Haller Jr. Foundation
Debra L. Sudan, MD
Effects of Storage Method on Intestinal Allograft Immune Profile and Viability
Department of Defense
CARDIOVASCULAR AND THORACIC SURGERY
Carmelo A. Milano, MD
Development of a Lightweight, Portable, Pneumatic Drive Unit for Long-Term Counterpulsation Support
NuPulseCV, Inc.
Joseph W. Turek, MD, PhD
Enzyvant Monkey Study
Enzyvant, Inc.
Development of a Pediatric, Long-Term, Minimally Invasive Circulatory Support Device (PediPulse) to Treat Heart Failure
NuPulseCV, Inc.
National Institutes of Health
EMERGENCY MEDICINE
Bruce J. Derrick, MD
EDA Addition to Oxygen Toxicity Study
Office of Naval Research
Charles J. Gerardo, MD
Decision-Making Process of Prescribing Anti-Venom in Snake Envenomation
BTG International, Inc.
What Are the Functionality Harms Chosen by Snakebite Envenomation Patients Responding to the Patient Specific Functional Scale? BTG International, Inc.
Julian T. Hertz, MD
Myocardial Infarction Among Persons Living with HIV in Tanzania
Roche Diagnostics, Inc.
Alexander T. Limkakeng Jr., MD, MHS
Duke Pain Early-Phase Research Clinical Center (PERC)
National Institutes of Health
Catherine A. Staton, MD
An Implementation Science-Based Trauma Registry Data Repository to Improve Injury Care and Policy Globally
National Institutes of Health
PLASTIC, MAXILLOFACIAL, AND ORAL SURGERY
Scott T. Hollenbeck, MD
A Recombinant Matrix to Improve Autologous Tissue Grafts
inSoma Bio
Howard Levinson, MD
Development of a Bacterial-Resistant Hernia Mesh
The Plastic Surgery Foundation
SURGICAL ONCOLOGY
Peter Allen, MD
Preventing an Incurable Disease: The Prevention of Progression to Pancreatic Cancer Trial (The 3P-C Trial)
National Institutes of Health
Lola Fayangju, MD
Using Modifiable Risk Factors to Predict Inferior Care and Survival after Breast Cancer Diagnosis: A Novel Approach to Addressing Health Disparities
National Institutes of Health
Rachel A. Greenup, MD, MPH
A Shared-Decision Tool to Improve Communication About Breast Reconstruction
The Plastic Surgery Foundation
Shelley Hwang, MD, MPH
Molecular and Radiologic Predictors of Invasion in a DCIS Active Surveillance Cohort
Breast Cancer Research Foundation
Sabino Zani Jr., MD
MedBlueData - Deidentified Laparoscopic and Robotic Surgical Video
MedBlue Incubator, Inc.
SURGICAL SCIENCES
Aravind Asokan, PhD
Nonhuman Primate Testing Center for Evaluation of Somatic Cell Genome Editing Tools
University of California at Davis
AAV-Exosomes: Escaping Neutralizing Antibody and Enhancing Delivery
Icahn School of Medicine at Mount Sinai
National Institutes of Health
Dawn E. Bowles, PhD
Awakening Endogenous Retroviruses with the Space Environment
National Aeronautics and Space Administration
Zachary C. Hartman, PhD
Investigation of Stimulating Stress Response Mechanisms to Enhance Antibody-Dependent Cellular Phagocytosis
Bantam Pharmaceutical, LLC
Enabling Effective Anti-Tumor Immunity From Targeted Antibodies Through Dual Innate and Adaptive Immune Checkpoint Blockade in Non-immunogenic Cancers
National Institutes of Health
Bruce A. Sullenger, PhD
Cas9 RNP Delivery to Immune Cells In Vivo via Molecular Targeting
University of California – Berkeley
National Institutes of Health
Direct Detection and Characterization of Blood Clots In Vivo
University of California – Davis
National Institutes of Health
Georgia D. Tomaras, PhD
Protocol Development Assays
HVTN TB Correlates Pilot Studies Supplement
Fred Hutchinson Cancer Research Center
National Institutes of Health
GH-VAP: Duke Antibody Dynamics
Bill and Melinda Gates Foundation
Comparing HIV Mucosal Targets in US and Kenyan Populations
Northwestern University
National Institutes of Health
John S Yi, PhD
Overcoming Checkpoint Blockade Resistance in Ovarian Cancer
Society for Immunotherapy of Cancer
TRAUMA, ACUTE, AND CRITICAL CARE SURGERY
Joseph S. Fernandez-Moure, MD
Biomimetic Protein-Lipid Nanovesicles Protect Against Septic Leukocyte-Endothelial Dysfunction
Surgical Infection Society
Sean P. Montgomery, MD
Development and Evaluation of a Solid State Head CT
University of North Carolina - Chapel Hill
Department of Defense
UROLOGY
Brant A. Inman, MD
Heat Targeted Therapy for Bladder Cancer
Urology Care Foundation
Synergistic Immuno-Photo-Nanotherapy for Bladder Cancer
Department of Defense
Michael E. Lipkin, MD
Stone Clearance Effectiveness of Miniperc Probes
Boston Scientific Corporation
John S. Wiener, MD
Urologic Management to Preserve Renal Function Protocol - Component C
Centers for Disease Control and Prevention
VASCULAR AND ENDOVASCULAR SURGERY
Leila Mureebe, MD, MPH
IPA for Tracey Taylor
Durham Veterans Affairs Medical Center
PUBLICATIONS IN HIGH IMPACT FACTOR JOURNALS*

Antibody Fc effector functions and IgG3 associate with decreased HIV-1 risk.

Cancer outcomes in DCIS patients without locoregional treatment.

A cancer rainbow mouse for visualizing the functional genomics of oncogenic clonal expansion.

CRISPR genome editing in stem cells turns to gold.

DNA priming and gp120 boosting induces HIV-specific antibodies in a randomized clinical trial.

Enhancing and shaping the immunogenicity of native-like HIV-1 envelope trimers with a two-component protein nanoparticle.

Immune correlates of the Thai RV144 HIV vaccine regimen in South Africa.

Isolation and structure of an antibody that fully neutralizes isolate SIVmac239 reveals functional similarity of SIV and HIV glycan shields.

Jumping at the chance for precise DNA integration.

The lineage determining factor GRHL2 collaborates with FOXA1 to establish a targetable pathway in endocrine therapy-resistant breast cancer.

Overcoming steric restrictions of VRC01 HIV-1 neutralizing antibodies through immunization.

Perturbed myoepithelial cell differentiation in BRCA mutation carriers and in ductal carcinoma in situ.

Portable normothermic ex-vivo lung perfusion, ventilation, and functional assessment with the Organ Care System on donor lung use for transplantation from extended-criteria donors.

Antibody Fc effector functions and IgG3 associate with decreased HIV-1 risk.

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Overcoming steric restrictions of VRC01 HIV-1 neutralizing antibodies through immunization.

Perturbed myoepithelial cell differentiation in BRCA mutation carriers and in ductal carcinoma in situ.

Portable normothermic ex-vivo lung perfusion, ventilation, and functional assessment with the Organ Care System on donor lung use for transplantation from extended-criteria donors (EXPAND): a single-arm, pivotal trial.

Randomized trial of medical versus surgical treatment for refractory heartburn.

Repeated semen exposure decreases cervicovaginal SIVmac251 infection in rhesus macaques.

Safety and immunogenicity of a multivalent HIV vaccine comprising envelope protein with either DNA or NYVAC vectors (HVTN 096): a phase 1b, double-blind, placebo-controlled trial.

Structural basis for broad HIV-1 neutralization by the MPER-specific human broadly neutralizing antibody LN01.

Targeting cellular heterogeneity with CXCR2 blockade for the treatment of therapy-resistant prostate cancer.

Targeted transcriptional modulation with type I CRISPR-Cas systems in human cells.

*Journals with an Impact Factor greater than 10.0

CLINICAL TRIALS

ABDOMINAL TRANSPLANT SURGERY
Allan D. Kirk, MD, PhD
Viela Bio Inc., VIB4920 Drug Study for Kidney Transplant Patients
Viela Bio, Inc.

Stuart J. Knechtle, MD
IM101-823 - Abatacept for treatment of recurrent or de novo autoimmune hepatitis
The Bristol-Myers/Sanofi Pharmaceuticals, Inc. Partnership
IMAGINE
Vitoeris, Inc.

Kadiyala V. Ravindra, MBBS
Talaris Therapeutics - FCR001A2301 FREEDOM-1 Study
Talaris Therapeutics, Inc.

Debra L. Sudan, MD
Transplant Genomics - TruGraf testing
Transplant Genomics, Inc.

CARDBIOVASCULAR AND THORACIC SURGERY
G. Chad Hughes IV, MD
RelayBranch System
Bolton Medical, Inc.

Carmelo A. Milano, MD
Network for Cardiothoracic Surgical Investigations in Cardiovascular Medicine: Safety & Efficacy of Intramyocardial Injection of Mesenchymal Precursor Cells on Myocardial Function in LVAD Recipients
Icahn School of Medicine at Mount Sinai, National Institutes of Health (NIH)
Jacob N. Schroder, MD
OCS DCD HEART
TransMedics, Inc.

Peter K. Smith, MD
Network for Cardiothoracic Surgical Investigations in Cardiovascular Medicine: Anticoagulation for New-Onset Post-Operative
Icahn School of Medicine at Mount Sinai, NIH

METABOLIC AND WEIGHT LOSS SURGERY
A. Daniel Guerron, MD
Short-term Impact of Bariatric Surgery on Systemic Inflammation in Obese Asthma
American Society for Metabolic and Bariatric Surgery

Jin S. Yoo, MD
ULTRAVISION
Alesi Surgical, Ltd.

SURGICAL ONCOLOGY
Shelley Hwang, MD
Lumicell - Pivotal Study of the Lum Imaging System
Lumicell, Inc.

UROLOGY
Andrew C. Peterson, MD, MPH
Artificial Urinary Sphincter Clinical Outcomes Study
Boston Scientific Corporation

VASCULAR AND ENDOVASCULAR SURGERY
Mitchell W. Cox, MD
BEST-VIVA Registry (vCLI)
Bolton Medical, Inc.

Andrew C. Peterson, MD, MPH
Artificial Urinary Sphincter Clinical Outcomes Study
Boston Scientific Corporation

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