Posters

1) Alexis Donneys, MD, MS  Real-Time Investigation of Angiogenesis in the Formation of Heterotopic Ossification

2) Noah S. Nelson, Adipose-Derived Stromal Cells in Combination with Deferoxamine Rescue Biomechanical Metrics in the Treatment of Radiotherapy-Induced Non-Unions

3) Andrej Nedic, Reliability and Validity of Regenerative Peripheral Nerve Interface Signal Activity during Voluntary Movement

4) Lindsey Gaston, Hypoxia Induces DNA Ligase III Expression in Neuroblastoma Cells

5) Fares Alghanem, Development of an Implantable Pediatric Artificial Lung: Right Pulmonary Artery Ligation as a Model of Chronic Lung Disease

6) Benjamin Bryner, MD  The University of Michigan Experience with Patient Transport on Extracorporeal Membrane Oxygenation (ECMO)

7) Leah D. Canvasser, Paraspinous Muscle as a Predictor of Surgical Outcome

8) Eric T. Chang, MD  Morphometric Analysis of Thoracic Injury Risk in Live Subjects from Real World Motor Vehicle Crashes

9) Keith VanDusen, Tissue-Engineered Cellular Neotendinous Constructs for Chronic Hernia Repair in a Rat

10) Jake Claflin, Using Analytic Morphomics to Assess Long Term Risk in Kidney Donors

11) Osama El-Sayed, Early Experimental Stasis But Not Non-Stasis Venous Thrombosis Resolution Is Dependent On Tlr9 Mediated Neutrophil Functions

12) Yumi Fukatsu, MD  Alteration in lamina propria-derived cytokine expression in a mouse model of total parenteral nutrition

13) Dongjun Peng, MD, PhD  Epigenetic Silence Dictates Effector T cell Tumor Trafficking and Predicts Patient Outcome

14) Jonathan Peterson, Use of BMP Type I Receptor Knockout Mice to Develop Novel Treatment Strategies for Trauma-Induced Heterotopic Ossification

15) Joel L. Crespo, Functional heterogeneity of human naive T cells

16) Jordan E. Derck, Deconstructing the Frailty Phenotype: Implications for Survival in Patients with End-Stage Liver Disease

17) Calista Harbaugh, Ribcage protection of solid organs during development: Implication for risk of solid organ injuries in children

18) Ashley D. Gerebics, The Effect of Frailty and Quality of Life on Survival in End Stage Liver Disease Patients

19) Zachary P. French, The Lasting Quality of Regenerative Peripheral Nerve Interface Signals throughout a Fatigue Protocol

20) Jeffrey Friedman, Effect of PEDOT Coated Electrodes on Nerve Morphology of Regenerative Peripheral Nerve Interfaces

21) Jeffrey Friedman, Depression in Liver Transplant Candidates May be Explained by Frailty, Not Severity of Liver Disease

22) Jules Lin, MD, Serum miRNAs Associated with CTGF Expression in Chemoresistant Esophageal Adenocarcinomas Correlate with Neoadjuvant Treatment Response

23) Esha Mathew, Novel Hedgehog Co-receptors in Pancreatic Cancer Progression

24) Huimin Tao, Removal of IL-10 augments the therapeutic efficacy of antitumor B cells that directly kill tumor cells involving both Fas/FasL and CXCL12/CXCR4 pathways

25) Jennifer Freeman, MD  TPN-associated intestinal epithelial cell atrophy is modulated by TLR4/EGF signaling pathways

26) Jennifer Freeman, MD  Growing human neo-small intestine: A novel approach using decellularized porcine intestine and human intestinal organoids
27) Jennifer Freeman, MD  
Assessment of Congenital Pulmonary Airway Malformations (CPAM) and pneumonia rates using a national database: Is lung resection indicated?

28) Tiffany N. Wright, MD  
Stress Dose Hydrocortisone associated with Increased Mortality in Congenital Diaphragmatic Hernia

29) Jing Wu, PhD  
High-throughput Analysis of Glycan Variation on Glycoproteins from Serum by the Reverse Lectin-based ELISA Assay and MRM Analysis

30) Tyler R. Grenda, MD  
Predictors of Hospital Readmission Following Lung Transplantation

31) Tyler R. Grenda, MD  
Reliability of Hospital Cost-Profiles in Inpatient Surgery

32) Haidi Yin, PhD  
Mass selected site-specific core-fucosylation of ceruloplasmin in alcohol-related hepatocellular carcinoma

33) Nisha Nagarsheth,  
Epigenetic Control of Effector T cell Trafficking in Colon Cancer

34) Kavitha Ranganathan, MD  
Gender Differences in Heterotopic Ossification

35) Shoshana L. Woo, MD  
Nonvascularized Partial Skeletal Muscle Grafts for Prosthetic Control

36) Shoshana L. Woo, MD  
Partial Skeletal Muscles: Electrophysiological & Structural Properties in a Short-term Rat Hind Limb Model for Peripheral Nerve Interfaces

37) Amit Iyengar,  
Use of Thrombolytic Therapy with ECPR for Prolonged Cardiac Arrest

38) Guihua Jiang,  
Human transgene-free amniotic fluid-derived beating ventricular cardiomyocytes

39) Steven Kapeles,  
Clopidogrel is associated with decreased survival in renal transplant recipients

40) Steven Kapeles,  
A single center review of renal transplant outcomes in recipients on warfarin

41) Adam S. Kerr,  
Short-Term Changes in Muscle Fiber Diameter & EMG Properties in a Rat Hind Limb Model for Peripheral Nerve Interfaces Using Partial Muscles

42) Lucas Witer, MD  
Chronic effects of air exposure and suction on blood cell activation and renal injury in an extracorporeal circuit

43) Igor Makovey, DDS  
Development of an Animal Model to Tissue Engineer Human Lips

44) Vladislav Dolgachev, PhD  
Topical Nanoemulsion Therapy Abolishes Burn Wound Progression and Improves Skin Healing in Swine Model of Thermal Burn Injury

45) Yongjia Feng, PhD  
Differential mechanisms of EGF and GLP-2 mediated intestinal epithelial cell proliferation

46) Lindsey Kolar,  
Frailty, Trunk Muscle Size, and Mortality in Patients with End-Stage Liver Disease

47) Michelle Leach, PhD  
Comparison of Electromyography Sensed by Chronic Epimysial Patch and Intramuscular Hook Electrodes

48) Roderick Y. Kim, DDS  
Non-invasive real-time monitoring of tissue-engineered graft

49) Ji-Yao Li,  
R-spondin 1 is up-regulated by leptin and increases β-catenin signaling

50) Ziru Li,  
Amelioration of nonalcoholic fatty liver disease by interference of ghrelin receptor

51) Tomasz Maj, PhD  
Requirements for human polyfunctional T cells generation

52) Ashley Miller,  
Trunk Muscle Size Corresponds to Preoperative Functional Status in Older Patients

53) Jose A. Diaz, MD  
IL-6 Production by the Cardiac Allograft is Critical for Chronic Rejection in Mice

54) Daniela Bashllari,  
MYCN Deregulation is a Critical Event in Neural Crest Stem Cell Tumor Initiation

55) Lin Lu, MD  
Cancer stem cell vaccine inhibits metastases of primary tumors and induces humoral immune responses against cancer stem cells

56) David Machado-Aranda, MD  
Electroporation-mediated Delivery of the Na+/K+-ATPase Pump Genes Changes Bronchial Alveolar Lavage Cellular Composition after Lung Contusion Injury
57) David E. Misek, PhD  Systematic Analysis of Tissue Glycoprotein Expression for the Early Detection of Pancreatic Cancer

58) Rula Mualla, The obesity paradox: body composition and surgical outcomes

59) Ben Bryner, MD  An Artificial Placenta Promotes Ongoing Lung Development in Extremely Premature Lambs

60) Shelley Reynolds-Hill, MD  Improved oxygenation and lung recruitment in infants with ALI/ARDS using APRV

61) Hidehito Saito, MD  Generation of Induced Pluripotent Stem Cells from Tumor-infiltrating Lymphocytes

62) Maksim A. Shlykov, Characterization of Absolute and Fractional Organ Volume Change in Pediatric Trauma Patients

63) Amy R. Spencer, MD  Antifibrinolytics for Treatment of Bleeding Complications on ECMO for Adult Respiratory Failure

64) Rafael Alvarez, MD  A Battery Powered Sequential Compression Device Improves Compliance in Post-Surgical Patients

65) David C. Cron, Frailty as a Progressive Syndrome in End Stage Liver Disease Patients

66) Angela E. Thelen, Quality of Life in Liver Transplant Candidates: Frailty May be a Better Indicator than Severity of Liver Disease

67) Seth Waits, MD  Implementation of an Enhanced Recovery Protocol in Living Kidney Donors


69) Kristoffer B. Sugg, MD  Changes in Macrophage Phenotype and Induction of Epithelial-to-Mesenchymal Transition Genes Following Acute Achilles Tenotomy and Repair

70) Smathorn Thakolwiboon, MD  Characterization of CD90+ population in human liver cancer

71) Ryan E. Tsuchida, A Validated Model of Solid Organ Finite Volume in Pediatric Trauma Patients Using Analytic Morphomics

72) Patrick W. Underwood, Mortality and Failure to Rescue Following Liver Transplantation

73) Dan Ursu, Validating Regenerative Peripheral Nerve Interface Signaling in Relation to Kinematics during Locomotion

74) Raelene A. Van Noord, Establishment of an Orthotopic Xenograft Model of Metastatic Neuroblastoma Using Ultrasound Guided Injection

75) Adam Cole, Reliability of Surgeon-Specific Reporting of Complications After Colectomy

76) Shannon L. Cramm, Failure to Rescue Patient and Graft in Pediatric Liver Transplantation

77) Andrew Gonzalez, MD  Impact of Including Socioeconomic Status on Hospital Profiling of Readmissions After Lower Extremity Revascularization

78) Robert W. Krell, MD Implications of Hospital Caseloads for Bariatric Surgery Performance Monitoring

79) Robert W. Krell, MD Variation in Hospital Thromboprophylaxis Rates for Abdominal Cancer Surgery

80) Shannon L. Cramm, Variation in Ambulatory Surgery Utilization in Michigan

81) Andrew Gonzalez, MD  Early Readmissions Following Open AAA Repair and Post-Discharge Mortality

82) Andrew Gonzalez, MD  Hospital Volume and Mortality in Vulnerable Patient Populations After High-Risk Cardiac Surgery

83) Arek J. Wiktor, MD Pancreatitis Managed by an Acute Care Surgery Service: Etiology, Resource Utilization, and Outcomes

84) Arek J. Wiktor, MD  Ventilator-associated Events: Correlation with Ventilator-associated Pneumonia