

Professor Rounds

| Poster Session I | | | |
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| Faculty | Poster # | Category | Poster Presentation Title |
| Al Ayala | 32 | Immunology/Inflammation | Endothelial-specific HSPA12B plays an important role in regulating the phenotype and function of macrophages following hypoxic challenge |
| Al Ayala | 35 | Immunology/Inflammation | TISSUE-RESIDENT MACROPHAGES ARE ESSENTIAL FOR THE MAINTENANCE OF VASCULAR INTEGRITY DURING ENDOTOXEMIA |
| Al Ayala | 37 | Immunology/Inflammation | IDENTIFICATION OF A NOVEL INHIBITOR OF STING ACTIVATION IN MONOCYTE AND MACROPHAGE |
| Al Ayala | 39 | Immunology/Inflammation | Macrophages-mediated Neuroinflammation of Spinal Cord after Burn Injury in Mice |
| Al Ayala | 41 | Immunology/Inflammation | SEPSIS INDUCED ALTERATION IN DENDRITIC CELLS |
| Chuanfu Li | 24 | Sepsis | CECAL LIGATION AND PUNCTURE (CLP) INCREASES ABUNDANCE OF SPLICEOSOME PROTEIN SRp30c IN CARDIAC TISSUE |
| Chuanfu Li | 26 | Immunology/Inflammation | SURAMIN NEUTRALIZES CYTOTOXIC HISTONES AND PREVENTS VASCULAR INJURY, EDEMA, AND DEATH |
| Chuanfu Li | 63 | Endothelium/Coagulation | ENDOTHELIAL NITRIC OXIDE SYNTHASE DIRECTLY IMPACTS P38 SIGNALING AFTER TOLL-LIKE RECEPTOR STIMULATION |
| Chuanfu Li | 75 | Hemorrhagic Shock/Resuscitation | THE ROLE OF OLFACTOMEDIN-4 IN A MURINE MODEL OF HEMORRHAGIC SHOCK |
| Chuanfu Li | 81 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | INHIBITION OF TREM-1 WITH A CIRP-DERIVED PEPTIDE PROTECTS MICE FROM INTESTINAL ISCHEMIA/REPERFUSION INJURY |
| Clifford Deutschman | 29 | Immunology/Inflammation | Δ 9-THC promotes IL-10 secretion by Mo-MDSC and reduces acute inflammation in mice model of endotoxemia via CB1 receptor |
| Clifford Deutschman | 66 | Hemorrhagic Shock/Resuscitation | PLATELET DYSFUNCTION AFTER TRAUMA IS ASSOCIATED WITH A FALL IN ENERGY STORES |
| Clifford Deutschman | 74 | Endothelium/Coagulation | Tranexamic Acid: Enhances Mitochondrial Respiration and Suppresses Mitophagy |
| Clifford Deutschman | 87 | Immunology/Inflammation | DONEPEZIL, A CENTRALLY-ACTING CHOLINESTERASE INHIBITOR WITH KNOWN ANTI-INFLAMMATORY ACTIONS, ACTIVATES VAGAL AND SYMPATHETIC EFFERENT PATHWAYS |
| Craig Coopersmith | 44 | Immunology/Inflammation | USING AN INTESTINAL ORGANOID TO ASSESS LYMPHOCYTE MICROBIOME CROSS TALK AT THE INTESTINAL LAYER |
| Craig Coopersmith | 54 | Burns | EFFECT OF INTOXICATION AND BURN ON IL-27 PRODUCTION AND SIGNALING IN THE SMALL INTESTINE |

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| Craig Coopersmith | 55 | Burns | Upregulation of HIF and NOS2 in intestinal epithelial cells following alcohol and burn injury |
| Craig Coopersmith | 82 | Immunology/Inflammation | OLFACTOMEDIN-4 IS RESPONSIBLE FOR WORSE INTESTINAL BARRIER DYSFUNCTION IN ISCHEMIA/REPERFUSION INJURY |
| Craig Coopersmith | 224 | Immunology/Inflammation | Normal microbial exposure increases sepsis-induced cytokine storm and mortality through TLR4 sensitization |
| Elizabeth Kovacs | 42 | Immunology/Inflammation | Elevated leukocyte HLA-DR+IL1-β+ as a biomarker of early sepsis. |
| Elizabeth Kovacs | 51 | Burns | UNRAVELING THE UNIQUE BURN-INDUCED TEMPORAL ALTERATIONS IN ADIPOSE TISSUE, SKELETAL MUSCLE AND LIVER METABOLISM |
| Elizabeth Kovacs | 52 | Burns | AICAR AND METFORMIN EXERT OPPOSING EFFECTS ON THE DEVELOPMENT OF POST-BURN BEIGE ADIPOSE TISSUE |
| Elizabeth Kovacs | 53 | Burns | Brown Adipose Tissue Recruitment in a Rodent Model of Severe Burn Trauma |
| Elizabeth Kovacs | 57 | Burns | INHIBITION OF NLRP3 INFLAMMASOME POST-BURN IMPAIRS WOUND HEALING |
| Heather Evans | 2 | Sepsis | Development and Validation of a Neonatal Sequential Organ Failure Assessment Score |
| Heather Evans | 5 | Sepsis | TIME TO VASOPRESSOR INITIATION IS ASSOCIATED WITH CHOLESTEROL STABILIZATION IN EARLY SEPTIC SHOCK |
| Heather Evans | 7 | Sepsis | SEPTIC SHOCK SURVIVAL IN A COMMUNITY HOSPITAL:CLINICAL CHARACTERISTICS IN THE FRONT LINES OF CARE |
| Heather Evans | 8 | Sepsis | SURVIVING SEPSIS GUIDELINES IN CKD AND CHF |
| Heather Evans | 12 | Sepsis Survivors/Chronic Effects of Sepsis | ADMINISTRATION OF ANTITHROMBIN CONCENTRATE FOLLOWING ENDOTOXIN-ADSORBING DIRECT HEMOPERFUSION IMPROVES OUTCOME IN PATIENTS WITH SEPSIS-ASSOCIATED COAGULOPATHY |
| Hiroshi Saito | 69 | Endothelium/Coagulation | COMPARISON OF WHOLE BLOOD AND COMPONENT THERAPY ON PLATELET FUNCTION, COAGULATION AND OUTCOMES IN TRAUMA PATIENTS |
| Hiroshi Saito | 70 | Endothelium/Coagulation | Hypoxia and Hyperoxia have No Effect on In Vitro Coagulation in a Murine Model |
| Hiroshi Saito | 72 | Endothelium/Coagulation | FACTOR IXA, FACTOR XIA, AND TISSUE FACTOR CONTRIBUTE TO ENDOGENOUS PROCOAGULANT ACTIVITY IN TRAUMA PATIENTS |
| Hiroshi Saito | 73 | Endothelium/Coagulation | SOLUBLE P-SELECTIN PROMOTES DE NOVO PULMONARY ARTERIAL THROMBOSIS FOLLOWING BLUNT THORACIC TRAUMA |

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| Hiroshi Saito | 79 | Molecular and Cellular Dysfunction in Shock | Activation of the Complement Complex 5b-9 (sC5b-9) in response to physiologic decompensation in a pure hemorrhage model of shock in non-human primates. |
| Jennifer Kaplan | 16 | Genomics, Proteomics, Metabolomics | Identification of S1PR3 gene signature involved in survival of sepsis patients |
| Jennifer Kaplan | 65 | Molecular and Cellular Dysfunction in Shock | C-Jun mediates endothelial cell miR-19b expression and syndecan-1 inhibition following hypoxia/reoxygenation |
| Jennifer Kaplan | 34 | Immunology/Inflammation | A NEW ROLE FOR THE $\alpha 7$ NICOTINIC ACETYLCHOLINE RECEPTOR IN MACROPHAGE MIGRATION TO LIVER, LUNG, AND SPLEEN DURING MURINE ENDOTOXEMIA |
| Jennifer Kaplan | 60 | Endothelium/Coagulation | Inhibition of PFKFB3 Attenuates LPS-induced Endothelial Apoptosis via ROS-independent Gene Regulation |
| Jennifer Kaplan | 71 | Endothelium/Coagulation | A RAT MODEL OF TRAUMA-INDUCED HYPERCOAGULABILITY IN OBESITY |
| Judith Hellman | 14 | Sepsis | HUMAN VASCULAR ENDOTHELIAL CELL DERIVED EXOSOMES CONTRIBUTE TO THE EXCESSIVE INFLAMMATORY RESPONSE OBSERVED IN SEPSIS THROUGH A DYSREGULATED MICRORNA EXPRESSION PROFILE. |
| Judith Hellman | 22 | Sepsis | PCSK9 inhibition in an immature murine model of sepsis |
| Judith Hellman | 59 | Hemorrhagic Shock/Resuscitation | Fibrinogen protects the endothelial cell barrier through a novel PAK1/confilin mediated pathway |
| Judith Hellman | 62 | Endothelium/Coagulation | ITGB4 VARIANT EXPRESSION AND LOCALIZATION IN ENDOTHELIAL BARRIER REGULATION |
| Judith Hellman | 64 | Genomics, Proteomics, Metabolomics | LPS Activates RNA Methylation in Human Endothelial Cells |
| Xiangang Li | 9 | Sepsis | MORTALITY IN PATIENTS WITH SEPSIS IS RELATED TO ENDOTOXIN ACTIVITY ASSAYS AND COAGULOPATHY |
| Xiangang Li | 27 | Immunology/Inflammation | OPTOGENETIC ACTIVATION OF THE BRAINSTEM DMV REDUCES SERUM CYTOKINES IN ENDOTOXEMIA VIA THE VAGUS NERVE |
| Xiangang Li | 68 | Hemorrhagic Shock/Resuscitation | AGGREGATION FUNCTION OF PLATELETS STORED IN PLATELET ADDITIVE SOLUTION (PAS) |
| Xiangang Li | 277 | Late | Highly Selective Cytokine Filtration Alters Physiological and Inflammatory Parameters in a Rat Model of Endotoxemia. |
| Luke O'Neill | 21 | Sepsis | TLR9 SIGNALING IN FIBROBLASTIC RETICULAR CELLS REGULATES PERITONEAL IMMUNITY |

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| Luke O'Neill | 23 | Sepsis | CONTROLLING INFLAMMATION BY INHIBITING HMGB1/RAGE-MEDIATED ENDOCYTOSIS USING ANTI-HMGB1 ANTIBODIES OR HMGB1-SPECIFIC ANTAGONIST BOX A |
| Luke O'Neill | 31 | Immunology/Inflammation | Mitochondrial biogenesis plays an important role in Monophosphoryl Lipid A- mediated reprogramming of macrophage metabolism and function |
| Luke O'Neill | 67 | Hemorrhagic Shock/Resuscitation | DELINEATING THE METABOLIC BASIS FOR PLATELET STORAGE LESION |
| Luke O'Neill | 83 | Immunology/Inflammation | ITACONATE ACTIVATED NRF2 ANTIOXIDATIVE RESPONSE IN HEPATOCYTES PROTECTS LIVER FROM ISCHEMIA AND REPERFUSION INJURY |
| Mark Clemens | 20 | Sepsis | CLAUDIN-2 DELETION IMPROVES GUT PERMEABILITY AND DECREASES MORTALITY IN MURINE SEPSIS |
| Mark Clemens | 25 | Sepsis | CECAL LIGATION AND PUNCTURE (CLP) DECREASES LEPTIN RECEPTOR ABUNDANCE IN LIVER |
| Mark Clemens | 33 | Immunology/Inflammation | SPLEEN-TO-LIVER MACROPHAGE SIGNALING IN THE EARLY STAGE OF SYSTEMIC INFLAMMATION |
| Mark Clemens | 47 | Other | EXTRACELLULAR COLD INDUCIBLE RNA-BINDING PROTEIN (eCIRP) AGGRAVATES RENAL FIBROSIS VIA MACROPHAGE-TO-MYOFIBROBLAST TRANSITION |
| Mark Clemens | 84 | Genomics, Proteomics, Metabolomics | Transcriptional Analysis of Hepatic Ischemia/Reperfusion Injury - Mouse/Human Correlations |
| Meihong Deng | 40 | Immunology/Inflammation | Desulfated Heparin Improves Bacterial Clearance in Cystic Fibrosis by Reducing HMGB1 Release and Improving Phagocytosis of Airway Macrophages |
| Meihong Deng | 43 | Immunology/Inflammation | NK cells support host survival and release IL-10 following polymicrobial sepsis. |
| Meihong Deng | 61 | Endothelium/Coagulation | The role of ERK1/2 in LPS induced activation and permeability of human and mouse lung microvascular endothelial cells |
| Meihong Deng | 80 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | NLRX1 REGULATION IN MITOCHONDRIAL INJURY AND HEMORRHAGIC SHOCK |
| Ping Wang | 1 | Sepsis | Paraoxonase-1 function is Impaired in Patients with Chronic Critical Illness and Early Death from Sepsis |
| Ping Wang | 17 | Sepsis | Myosin Light Chain Kinase (MLCK) Knockout Mice Paradoxically Demonstrate Increased Mortality in Pseudomonas Pneumonia-Induced Sepsis |

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| Ping Wang | 19 | Sepsis | α 7 NICOTINIC ACETYLCHOLINE RECEPTOR ACTIVATION REGULATES INFLAMMATION AND GROWTH HORMONE RESISTANCE IN SEPSIS |
| Ping Wang | 28 | Immunology/Inflammation | Inflammatory profile of murine septic AKI: role of CD11c+/CX3CR1+ antigen presenting cells |
| Ping Wang | 30 | Immunology/Inflammation | SECTM1A POSITIVELY REGULATES TISSUE-RESIDENT MACROPHAGE SELF-RENEWAL CAPACITY DURING ENDOTOXEMIA BY BOOSTING T EFFECTOR CELLS |
| Samithamby Jeyaseelan | 13 | Sepsis | Neutrophils from septic patients show lower expression of Dectin-1 and increased expression of TLR2 |
| Samithamby Jeyaseelan | 15 | Sepsis | SDF-1 STIMULATION SUPPRESSES DEFORMABILITY OF AGED NEUTROPHILS THAT MIGHT EXAGGERATE THE SEVERITY OF HUMAN SEPSIS. |
| Samithamby Jeyaseelan | 18 | Sepsis | Suppression of Skeletal Muscle Interleukin-6 Alters Circulatory Cytokine and Leukocyte Trafficking in Septic Mice |
| Samithamby Jeyaseelan | 38 | Immunology/Inflammation | THE ANTI-SEPSIS MECHANISM OF MACROPHAGE INTEGRIN α D β 2 IS MEDIATED VIA REGULATION OF MACROPHAGE MIGRATION AND BACTERIAL PHAGOCYTOSIS |
| Samithamby Jeyaseelan | 46 | Other | LIPOXIN A4 REDUCES PSEUDOMONAS VIRULENCE AND INCREASES LEUKOCYTE PHAGOCYTOSIS |
| Scott Brakenridge | 10 | Sepsis | PATIENTS WITH SEPSIS ADMITTED TO THE INTENSIVE CARE UNIT SURVIVED FOR 28 DAYS UNDER CONDITIONS OF HIGH SERUM HAPTOGLOBIN VALUES BUT DID NOT SURVIVE WHERE THERE WAS A LOW AND NEGATIVE CORRELATION BETWEEN HMGB1 AND IL-10 |
| Scott Brakenridge | 78 | Hemorrhagic Shock/Resuscitation | IMPACT OF HEMORRHAGE ON HIGH RESOLUTION URINARY OUTPUT MEASUREMENTS |
| Scott Brakenridge | 86 | Other | Advances in Management of Delirium in Critically Ill Adults: a systematic review and meta-analysis |
| Scott Brakenridge | 88 | Immunology/Inflammation | SELECTIVE PHARMACOLOGICAL AND OPTOGENETIC BRAIN CHOLINERGIC ACTIVATION REGULATES PERIPHERAL CYTOKINE RESPONSES |
| Scott Brakenridge | 89 | Immunology/Inflammation | CHARACTERIZATION OF A RAT MODEL OF ACUTE BACTERIAL MENINGITIS |
| Tina Palmieri | 48 | Burns | TEMPORAL PRESENCE OF TWO NOVEL HYPERACTIVE HUMAN GLUCOCORTICOID RECEPTORS IN A PATIENT WITH SEVERE BURNS |
| Tina Palmieri | 49 | Burns | OUTCOME METRIC VARIATION IN BURN CENTER AND NON-BURN CENTER CARE: A CROSS-DATABASE COMPARISON |

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| Tina Palmieri | 50 | Burns | PREDICTORS OF SEPSIS IN BURN PATIENTS |
| Tina Palmieri | 56 | Burns | ALTERED LEVELS OF DAMAGE-ASSOCIATED MOLECULAR PATTERNS IN SKIN FOLLOWING BURN INJURY |
| Tina Palmieri | 58 | Burns | Effect of artificial dermis as a wound bed for keratinocyte sheet grafting cultured by temperature responsive dish in clinically relevant ovine burn wound model |
| Yoram Vodovotz | 3 | Sepsis | Efficient Characterization of the Clinically Relevant Parameter Space for an Agent-Based Model of Sepsis |
| Yoram Vodovotz | 4 | Sepsis | AUTOMATED PRESSURE REGULATION SYSTEM FOR SEPSIS (AUTO-PRESS): REINFORCEMENT LEARNING AGENT LEARNS TO PROVIDE VASOPRESSOR AND INTRAVENOUS FLUID RECOMMENDATIONS TO MANAGE HYPOTENSIVE EPISODES IN SEPTIC PATIENTS |
| Yoram Vodovotz | 6 | Sepsis | Temporal Changes in Blood Concentration of Inflammatory Cytokines and Bacterial DNA Coincide with Sepsis Pathogenesis and Progression |
| Yoram Vodovotz | 11 | Sepsis Survivors/Chronic Effects of Sepsis | MYELOID-DERIVED SUPPRESSOR CELLS EVOLVE AFTER HUMAN SEPSIS AND ARE ASSOCIATED WITH UNIQUE EPIGENETIC EXPRESSION PATTERNS |
| Yoram Vodovotz | 85 | Impact of Age and Co-Morbidities in Infection and Injury | Transcriptome Analysis Reveals Age-related Sestrin2 is Critical for the Adaptive Response to Ischemic/Reperfusion Injury |
| Poster Session II | | | |
| Faculty | Poster # | Category | Poster Presentation Title |
| Charles McCall | 97 | Sepsis | RELATIONSHIP BETWEEN ACTIVE HEPARANASE AND ANGIOPOIETIN-2 RELEASE DURING PEDIATRIC SEPSIS |
| Charles McCall | 108 | Sepsis | CaMKIV regulates mitochondrial dynamics during sepsis |
| Charles McCall | 112 | Sepsis | INVESTIGATING CELLULAR NAD/NADH AND MITOCHONDRIAL RESPIRATION IN SEPSIS |
| Charles McCall | 113 | Sepsis | Absence of formyl peptide receptor 1 leads to increased mortality in cecal ligation and puncture late sepsis |
| Charles McCall | 121 | Immunology/Inflammation | EXTRACELLULAR CIRP SKEWS NEUTROPHILS TOWARDS A NET-FORMING ICAM-1+ PHENOTYPE VIA TREM-1 PATHWAY |
| Charles Wade | 155 | Hemorrhagic Shock/Resuscitation | EFFICACY OF THREE DIFFERENT ENTERALLY-DELIVERED PROTEASE INHIBITORS IN IMPROVING OUTCOMES IN NON-BLOOD RESUSCITATED EXPERIMENTAL TRAUMA/HEMORRHAGIC SHOCK |

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| Charles Wade | 157 | Hemorrhagic Shock/Resuscitation | RAPID INTRAMUSCULAR ADMINISTRATION OF TXA RESULTS IN EQUIVALENT TOTAL DRUG EXPOSURE AND REVERSAL OF HYPERFIBRINOLYSIS IN A SWINE CONTROLLED HEMORRHAGE MODEL |
| Charles Wade | 161 | Hemorrhagic Shock/Resuscitation | Recombinant Factor XIIIa and ACTH(1-24) as Adjuncts During Prolonged Hypotensive Resuscitation in swine (<i>Sus scrofa domesticus</i>): Optimizing Outcomes for the Prolonged Field Care Environment. |
| Charles Wade | 162 | Hemorrhagic Shock/Resuscitation | Efficacy of Resuscitative Transfusion with Hemoglobin Vesicles in the Management of Post-partum Hemorrhage |
| David Greenhalgh | 143 | Burns | BURN INJURY INDUCES HEPATIC DOWNREGULATION OF LIPID-METABOLISM IN AGED MICE |
| David Greenhalgh | 146 | Burns | Activation of Circulating Myeloid-Derived Suppressor Cells after Burn Injury |
| David Greenhalgh | 147 | Burns | SIGNIFICANCE OF IL-6 AND SOLUBLE IL-6 RECEPTOR POST-BURN INJURY |
| David Greenhalgh | 148 | Burns | ASSESSMENT OF RADIATION EXPOSURE BY MRNA INTEGRITY BIOANALYSIS |
| David Greenhalgh | 153 | Stem Cells/Regenerative Medicine/Cellular Therapeutics | EFFECT OF INTRAVENOUSLY ADMINISTERED MSCs FOR TREATMENT OF BURN AND SMOKE INHALATION INJURY |
| Edward Sherwood | 127 | Immunology/Inflammation | IMPACT OF IL-27 SIGNALING IN MEMORY T CELLS ON SEPSIS PATHOPHYSIOLOGY |
| Edward Sherwood | 128 | Immunology/Inflammation | Bone marrow microenvironment supports proliferation of CD4+ memory T cells during the recovery from sepsis in the cecal ligation and puncture (CLP) model. |
| Edward Sherwood | 129 | Immunology/Inflammation | Regulatory T Cells Suppress Trauma Induced Inflammation and Adaptive Immune Cell Expansion |
| Edward Sherwood | 130 | Immunology/Inflammation | POLYMICROBIAL SEPSIS HAS THE CAPACITY TO REINVIGORATE TUMOR-INFILTRATING CD8 T CELLS AND PROLONG HOST SURVIVAL |
| Edward Sherwood | 131 | Immunology/Inflammation | Impaired Antigen Specific Memory CD4 T Cell-Mediated Immunity after Polymicrobial Sepsis |
| HT Lee | 142 | Immunology/Inflammation | VARIATION IN THE HLA-A PEPTIDE BINDING GROOVE IS ASSOCIATED WITH SEPSIS AFTER TRAUMATIC INJURY |
| HT Lee | 167 | Stem Cells/Regenerative Medicine/Cellular Therapeutics | Therapeutic effect of Mesenchymal Stromal Cells in kidney injury after traumatic hemorrhagic shock |
| HT Lee | 168 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | The effect of hemorrhage and subsequent septic challenge on activation/release of kidney SHP1/SHP2, NF- κ B and HMGB1 during AKI. |

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| HT Lee | 171 | Metabolism/Gut | Cathepsin B and Pancreatic Trypsin Involvement in the Degradation of Intestinal Epithelial Junctional Proteins in Hypoxia |
| HT Lee | 175 | Molecular and Cellular Dysfunction in Shock | Role of Sirtuin 6 in hypoxia-induced tubular epithelial cell injury in vivo and in vitro |
| Irshad Chaudry | 93 | Sepsis | A Novel Hemoperfusion Design for Sepsis Treatment |
| Irshad Chaudry | 94 | Sepsis | IDENTIFICATION OF A NOVEL FIRST IN CLASS DRUG FOR THE TREATMENT OF SEPSIS: RESULTS FROM THE INNOVOSEP PRECLINICAL TRIAL. |
| Irshad Chaudry | 95 | Sepsis | HYDROCORTISONE, ASCORBIC ACID AND THIAMINE (HAT) REDUCES MORTALITY IN MICE PREDICTED TO DIE FROM CECAL LIGATION AND PUNCTURE (CLP) SEPSIS |
| Irshad Chaudry | 116 | Sepsis | NOVEL MURINE SEPSIS MODEL FOLLOWS MQTIPSS GUIDELINES |
| Irshad Chaudry | 117 | Sepsis | Generation of neonatal mouse model of meconium peritonitis by intraperitoneal administration of a human meconium slurry |
| Jean Nemzek | 99 | Sepsis | EXOGENOUS SPHINGOSINE DECREASES BLADDER BACTERIAL LOADS IN A MURINE UROSEPSIS MODEL |
| Jean Nemzek | 101 | Sepsis | Continuous inhalation of H2 gas improve survival rate and attenuate systematic inflammation in septic mice. |
| Jean Nemzek | 103 | Sepsis | Novel Enhancer of Zeste Homolog 2 inhibition attenuates septic shock and subsequent lung injury by altering microbial clearance and the innate inflammatory response |
| Jean Nemzek | 106 | Metabolism/Gut | If muscle works, use it! - Potential therapeutic effects of early muscle stimulation in acute phase of sepsis- |
| Jean Nemzek | 126 | Immunology/Inflammation | The reduced bactericidal activity of neutrophils as an incisive indicator of psychological stress and impaired exercise performance in mice |
| Konstantinos Drosatos | 92 | Sepsis | THE ROLE OF RIBONUCLEASE A AS POTENTIAL NEW THERAPEUTIC IN SEPTIC CARDIOMYOPATHY |
| Konstantinos Drosatos | 102 | Sepsis | BECLIN-1 IMPROVES MITOCHONDRIA-ASSOCIATED MEMBRANES (MAMS) IN THE HEART DURING ENDOTOXEMIA |
| Konstantinos Drosatos | 107 | Impact of Age and Co-Morbidities in Infection and Injury | Klotho improves the recovery of cardiac function in aging endotoxemic mice through promoting myocardial inflammation resolution associated with FGF23 recession |
| Konstantinos Drosatos | 120 | Sepsis Survivors/Chronic Effects of Sepsis | PERSISTENT CARDIOMYOPATHY IN CHRONIC SURVIVORS OF THE CECAL LIGATION AND PUNCTURE (CLP) MODEL OF SEPSIS |
| Konstantinos Drosatos | 152 | Genomics, Proteomics, Metabolomics | Using LC-MS/MS-based targeted proteomics to monitor the pattern of heart response to burn injury at 24 hours post burn |

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| Laurie Kilpatrick | 156 | Hemorrhagic Shock/Resuscitation | A MODIFIED STORAGE SOLUTION DECREASES RED BLOOD CELL STORAGE LESION FORMATION AND INFLAMMATORY RESPONSE TO RESUSCITATION FOLLOWING HEMORRHAGIC SHOCK |
| Laurie Kilpatrick | 115 | Molecular and Cellular Dysfunction in Shock | TENDER COCONUT WATER SUPPRESSES INFLAMMATORY CYTOKINE GENE EXPRESSION IN RAW264.7 CELLS STIMULATED WITH LIPOPOLYSACCHARIDE |
| Laurie Kilpatrick | 96 | Sepsis | PERFORMANCE COMPARISON OF UNIT SPECIFIC AND GENERALIZABLE SEPSIS PREDICTION MODELS ACROSS INTENSIVE CARE UNITS |
| Laurie Kilpatrick | 136 | Traumatic Brain Injury (TBI)/Neuro-Inflammation | EXTRACELLULAR CIRP INDUCES NEUROINFLAMMATION AND NEURODEGENERATION IN A MOUSE MODEL OF ALZHEIMER'S DISEASE |
| Marc Jeschke | 145 | Burns | CARDIOPROTECTIVE EFFECTS OF ALLN AFTER BURN INJURY VIA SUPPRESSION OF NF-KB AND FIBROTIC SIGNALING |
| Marc Jeschke | 149 | Burns | Neutrophil chemotaxis after burn injury is impaired by ceramide |
| Marc Jeschke | 150 | Burns | HISTOLOGICAL BONE BIOMARKERS IN BURNED RODENTS |
| Marc Jeschke | 151 | Genomics, Proteomics, Metabolomics | Investigation of Metabolomic Alterations After Burn Injury in a Murine Model |
| Marc Jeschke | 154 | Molecular and Cellular Dysfunction in Shock | Invasion of Gr1+ cells into germinal centers may mediate persistent T cell suppression upon burn injury |
| Mashkoo Choudhry | 132 | Immunology/Inflammation | TOLL-LIKE RECEPTOR 9 (TLR9) PLAYS AN ESSENTIAL ROLE IN INJURY-INDUCED TREG ACTIVATION |
| Mashkoo Choudhry | 140 | Genomics, Proteomics, Metabolomics | Single-cell RNA Sequencing Reveals A New Monocyte Trajectory in Mouse Polytrauma Model |
| Mashkoo Choudhry | 141 | Molecular and Cellular Dysfunction in Shock | THE ROLE OF BETA ADRENERGIC RECEPTORS IN HEMATOPOIETIC PROGENITOR CELL MOBILIZATION FOLLOWING TRAUMATIC INJURY |
| Mashkoo Choudhry | 144 | Burns | Burn injury results in hepatic steatosis and dysfunction via UCP1-Dependent Lipolysis |
| Mashkoo Choudhry | 172 | Metabolism/Gut | FECAL IMMUNOGLOBULIN A(IGA) IN DIARRHEAL PATIENTS IN THE ICU—A PRELIMINARY STUDY |
| Matthew Delano | 109 | Sepsis | SOLUBLE PROTEIN OLIGOMERS PROMOTE INFLAMMATION AND IMPAIR VASCULAR FUNCTION IN SEPSIS VIA FORMYL PEPTIDE RECEPTOR-1 ACTIVATION |
| Matthew Delano | 114 | Genomics, Proteomics, Metabolomics | MINING LIPIDIC MEDIATORS AND BIOMARKERS IN THE CECAL SLURRY MODEL OF SEPSIS |
| Matthew Delano | 118 | Sepsis | Enhanced Pannexin 1 Expression and Hemichannel Activation Exacerbates Lethal Experimental Sepsis |

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| Matthew Delano | 180 | Genomics, Proteomics, Metabolomics | UNMAPED VIRAL RNA SEQUENCING READS IN CRITICAL ILLNESS: A POTENTIAL BIOMARKER |
| Matthew Delano | 181 | Molecular and Cellular Dysfunction in Shock | MICROCIRCULATION DYSFUNCTION IN CRITICALLY ILL CHILDREN: A SYSTEMATIC REVIEW |
| Michael Karlstad | 105 | Sepsis Survivors/Chronic Effects of Sepsis | MURINE PICS DEVELOPS REGARDLESS OF AGE OR ANTIBIOTIC ADMINISTRATION |
| Michael Karlstad | 119 | Sepsis Survivors/Chronic Effects of Sepsis | ELUCIDATING THE MECHANISMS OF CHRONIC SKELETAL MUSCLE WEAKNESS IN THE POST-SEPSIS CONDITION |
| Michael Karlstad | 174 | Immunology/Inflammation | 6-Shogaol protects against ischemic acute kidney injury by modulating NFκB and heme oxygenase-1 pathways. |
| Michael Karlstad | 177 | Molecular and Cellular Dysfunction in Shock | Adipocyte lipolysis is necessary for acute stress-induced insulin resistance |
| Michael Karlstad | 178 | Immunology/Inflammation | DEDIFFERENTIATION AND NECROSIS OF FUNCTIONAL PANCREATIC β CELLS AS MECHANISM OF DIABETES MELLITUS FOLLOWING ACUTE PANCREATITIS |
| Ping Zhang | 122 | Immunology/Inflammation | TYROSINE PHOSPHORYLATION OF CASPASE-8 INDUCES CELL ACTIVATION THROUGH TOLL-LIKE RECEPTOR 4 DEPENDENT SIGNALING IN SEPTIC NEUTROPHILS |
| Ping Zhang | 123 | Immunology/Inflammation | CIRCULATORY NEUTROPHIL DEPLETION AND THE CONTEMPORARY BONE MARROW NEUTROPHIL RESPONSE IN PORCINE EXTENSIVE TRAUMA SURGERY |
| Ping Zhang | 124 | Immunology/Inflammation | TRANSIENT IMPAIRED NEUTROPHIL ACTIVATION AFTER INTRAMEDULLARY NAILING AND A FEMUR FRACTURE: INDICATIVE OF SELECTIVE IMMUNODEPLETION? |
| Ping Zhang | 125 | Immunology/Inflammation | Innate protective function of SLAM-associated Protein (SAP) in regulating neutrophil extracellular trap formation during bacterial pneumoseptic infection |
| Ping Zhang | 45 | Molecular and Cellular Dysfunction in Shock | EXTRACELLULAR CIRP INDUCES TYPE I INTERFERONS VIA STING PATHWAY IN MACROPHAGES |
| Robert Cooney | 135 | Multisystem Trauma | Therapeutic hypothermia induces differential miRNA expression patterns and alters bone gene expression in a porcine multiple trauma model |
| Robert Cooney | 169 | Immunology/Inflammation | ASSOCIATION OF BLOOD PCSK9 LEVELS AND POSTOPERATIVE COMPLICATIONS AFTER ELECTIVE DIGESTIVE SURGERY |
| Robert Cooney | 170 | Immunology/Inflammation | Determining the signaling mechanisms required for cGMP release in liver |

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| Robert Cooney | 176 | Metabolism/Gut | HIGH INTENSITY FOCUSED ULTRASOUND TREATMENT ATTENUATES DISEASE PROGRESSION IN A MOUSE MODEL OF NON-ALCOHOLIC STEATOHEPATITIS |
| Robert Cooney | 182 | Endothelium/Coagulation | WHOLE BLOOD THROMBIN GENERATION: DISCORDANCES BETWEEN CONVENTIONAL COAGULATION ASSAYS AND VISCOELASTIC MEASUREMENTS OF CLOT FORMATION |
| Saman Arbabi | 138 | Traumatic Brain Injury (TBI)/Neuro-Inflammation | NEUROINFLAMMATION IN A MURINE MODEL OF DSS-COLITIS |
| Saman Arbabi | 139 | Traumatic Brain Injury (TBI)/Neuro-Inflammation | TRAUMATIC BRAIN INJURY IMPAIRS CEREBRAL BLOOD FLOW REGULATION THROUGH DISRUPTION OF INSIDE-OUT SIGNALING BETWEEN CAPILLARIES AND UPSTREAM ARTERIOLES |
| Saman Arbabi | 158 | Hemorrhagic Shock/Resuscitation | RESUSCITATION OF FIBRINOGEN CONCENTRATE AND FFP ON COAGULATION IN PIGS WITH PLATELET DEPLETION AND TRAUMATIC HEMORRHAGE |
| Saman Arbabi | 159 | Hemorrhagic Shock/Resuscitation | In-flight Continuous Vital Signs Predict Emergency and Massive Blood Transfusion After Trauma |
| Saman Arbabi | 173 | Metabolism/Gut | OPERATIVE DELAY TO APPENDECTOMY: AN INDEPENDENT PREDICTOR OF HOSPITAL READMISSION |
| Timothy Billiar | 98 | Sepsis | Beta-glucan protects mice from lethal Pseudomonas aeruginosa infection: insights into the signaling mechanisms supporting trained immunity |
| Timothy Billiar | 100 | Sepsis | EVALUATION OF A NOVEL HEMOPERFUSION APPROACH FOR SEPSIS TREATMENT IN CLP MOUSE MODEL |
| Timothy Billiar | 104 | Sepsis | PPAR-GAMMA AGONISM CAN ALLEVIATE THE HYPERIMMUNE RESPONSE IN PEDIATRIC SEPSIS |
| Timothy Billiar | 110 | Sepsis | A NOVEL ROLE OF EXTRACELLULAR CIRP IN SUPPRESSING PROTECTIVE SIGLEC-G EXPRESSING B-1A CELLS IN SEPSIS |
| Timothy Billiar | 111 | Sepsis | INHIBITION OF NLRP3 ACTIVATION ATTENUATES PLATELET ACTIVATION AND DECREASES MULTI-ORGAN INJURY IN RESPONSE TO ABDOMINAL SEPSIS |
| Timothy Pritts | 163 | Hemorrhagic Shock/Resuscitation | MICROVASCULAR COMPENSATORY RESPONSE TO HYPOVOLEMIC SHOCK: PERIPHERAL VERSUS CRITICAL ORGAN OXYGENATION |
| Timothy Pritts | 164 | Hemorrhagic Shock/Resuscitation | Artificial oxygen transporter proteins for the treatment of hemorrhagic shock |

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| Timothy Pritts | 165 | Hemorrhagic Shock/Resuscitation | EVALUATION OF CRYSTALLOID, WHOLE BLOOD AND PEGYLATED CARBOXYHEMOGLOBIN-BASED OXYGEN CARRIER IN A RAT MODEL OF SEVERE HEMORRHAGIC SHOCK |
| Timothy Pritts | 166 | Hemorrhagic Shock/Resuscitation | THROMBIN GENERATION KINETICS ARE PREDICTIVE OF RAPID TRANSFUSION OF TRAUMA PATIENTS MEETING CRITICAL ADMINISTRATION THRESHOLD (CAT) |
| Timothy Pritts | 179 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | Hypothermia Following Injury: A Marker for Sustained Organ Dysfunction |
| Weng-Lang Yang | 90 | Sepsis | Attenuation of sepsis severity in a non-surgical preterm mouse model by recombinant human thrombomodulin |
| Weng-Lang Yang | 91 | Sepsis | Hepatic scavenger receptor BI (SR-BI) protects against sepsis |
| Weng-Lang Yang | 133 | Genomics, Proteomics, Metabolomics | NOVEL B AND T CELL RECOMBINATION IDENTIFICATION IN A MODEL OF CRITICAL ILLNESS |
| Weng-Lang Yang | 137 | Traumatic Brain Injury (TBI)/Neuro-Inflammation | Remote Ischemic Conditioning Prevents Acute Lung Injury Induced by Traumatic Brain Injury |
| Weng-Lang Yang | 160 | Hemorrhagic Shock/Resuscitation | HUMANIN IMPROVES LUNG INFLAMMATION DURING HEMORRHAGIC SHOCK IN AN AMPK-INDEPENDENT MANNER |

Poster Session II

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| Alicia Mohr | 183 | Sepsis | ANTI-CD28 ANTIBODY IMPROVES SURVIVAL IN "MEMORY MICE" WITH SEPSIS VIA IL-10 RELEASED BY REGULATORY T CELLS |
| Alicia Mohr | 198 | Sepsis Survivors/Chronic Effects of Sepsis | Imatinib mesylate treatment alters the innate immune status during PICS |
| Alicia Mohr | 210 | Sepsis | The Bone Marrow Endothelial Progenitor Cell Response to Septic Infection |
| Alicia Mohr | 218 | Immunology/Inflammation | Retinoic acid-induced upregulation of native anti-inflammatory pathways is a potential novel sepsis treatment |
| Alicia Mohr | 225 | Immunology/Inflammation | THE PREDICTIVE ROLE OF SYSTEMIC INFLAMMATION AND IMMUNOLOGIC-BASED SCORES ON POSTOPERATIVE INFECTIOUS COMPLICATIONS AFTER ELECTIVE LAPAROSCOPIC COLORECTAL CANCER SURGERY |
| Barbara Sherry | 193 | Sepsis | MYD88-DEPENDENT SIGNALING IS ESSENTIAL FOR TLR AGONIST-MEDIATED PROTECTION AGAINST SEVERE NOSOCOMIAL INFECTIONS |
| Barbara Sherry | 194 | Sepsis | IL-15 improves aging-induced persistent T cell exhaustion in mouse models of repeated sepsis |

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| Barbara Sherry | 197 | Sepsis Survivors/Chronic Effects of Sepsis | Recovery of pre-existing memory CD8 T cells during the sepsis-induced immunoparalysis state |
| Barbara Sherry | 217 | Immunology/Inflammation | Evaluation of innate immune cell reprogramming using cargo-less nanoparticles to ameliorate severe inflammation |
| Basilia Zingarelli | 187 | Sepsis | EXTRACELLULAR CIRP INDUCES CXCR4HICD62LLO AGED PHENOTYPE OF NEUTROPHILS IN SEPSIS |
| Basilia Zingarelli | 192 | Sepsis | Identification of Circular RNAs Altered in Mouse pulmonary macrophages after sepsis |
| Basilia Zingarelli | 201 | Other | TRANSIENT RECEPTOR POTENTIAL ANKYRIN-REPEAT 1 ION CHANNEL IS REQUIRED FOR THE SUPPRESSION OF INFLAMMATION IN SEPSIS |
| Basilia Zingarelli | 202 | Sepsis | LOSS OF EFFERENT ARTERIOLAR RESISTANCE FROM AT-1R MODULATION MAY CONTRIBUTE TO ACUTE KIDNEY INJURY AFTER CECAL LIGATION AND PUNCTURE (CLP) |
| Basilia Zingarelli | 223 | Immunology/Inflammation | HISTONE DEACETYLASE INHIBITORS IMPAIR INNATE IMMUNE RESPONSES TO STING AGONISTS |
| Daniel Remick | 200 | Sepsis | XANOMELINE RESTORES ACTIVITY OF THE OREXINERGIC SYSTEM IN CECAL LIGATION AND PUNCTURE (CLP) |
| Daniel Remick | 204 | Sepsis | IMPACT OF HOUSING TEMPERATURE ON A MURINE MODEL OF POLYMICROBIAL PERITONITIS |
| Daniel Remick | 205 | Sepsis | OLD MICE BETTER REPLICATE THE HUMAN CONDITION IN A NOVEL MURINE SEPSIS MODEL |
| Daniel Remick | 206 | Sepsis | PREVIOUSLY IDENTIFIED STRATIFICATION BIOMARKERS DO NOT RELIABLY ESTIMATE MORTALITY RISK IN OBESE MICE |
| Daniel Remick | 214 | Other | MISMATCH GENOMES BETWEEN MUTANT/KNOCK-OUT AND RESPECTIVE CONTROL MOUSE STRAINS |
| David Williams | 203 | Sepsis | Bacterial Redox Activity Contributes to Sepsis Induced Coagulopathy |
| David Williams | 215 | Sepsis | Postprandial Vagal Activation Controls Glycemia and inflammation in Experimental Sepsis with Diabetes. |
| David Williams | 216 | Immunology/Inflammation | HOW CYTOMEGALOVIRUS DURABLY ENHANCES HOST DEFENSE AGAINST BACTERIA |
| David Williams | 242 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | SILDENAFIL ATTENUATES THE SEVERITY OF INTESTINAL AND LUNG INJURY IN NECROTIZING ENTEROCOLITIS |
| David Williams | 244 | Metabolism/Gut | Deletion of Hypoxia-Inducible Factor-1 α in type II alveolar epithelial cells reduces glucose metabolism following lung contusion |

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| Eric Schmidt | 230 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | NWASP MEDIATES PSEUDOMONAS AERUGINOSA-INDUCED ACTIN STRESS FIBER REORGANIZATION AND INCREASED PARACELLULAR PERMEABILITY IN ALVEOLAR ENDOTHELIAL AND EPITHELIAL CELLS |
| Eric Schmidt | 233 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | GTS-21 ATTENUATES LUNG INJURY BY SUPPRESSING THE NF- κ B AND MAPK P38 PATHWAYS AND REGULATING PULMONARY SURFACTANT |
| Eric Schmidt | 234 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | INCREASED CIRCULATING CELL-FREE HEMOGLOBIN DURING SEPSIS IS ASSOCIATED WITH LUNG ENDOTHELIAL APOPTOSIS AND CONTRIBUTES TO DISEASE SEVERITY AND MORTALITY |
| Eric Schmidt | 237 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | Hemorrhage/sepsis-induced indirect (i)ARDS stimulation of VISTA expression on a variety of immune/non-immune cells |
| Eric Schmidt | 241 | Immunology/Inflammation | DISCOVERY OF THE ROLE OF EXTRACELLULAR CIRP IN ACTIVATING LUNG ALVEOLAR EPITHELIAL CELLS TO PROMOTE LOCAL INFLAMMATION |
| Ernest Moore | 248 | Multisystem Trauma | EARLY CIRCULATING CYTOKINES IN SEVERELY-INJURED TRAUMA PATIENTS ARE ASSOCIATED WITH DISTINCT CLINICAL OUTCOMES AND RESPONSIVENESS TO PREHOSPITAL PLASMA |
| Ernest Moore | 253 | Multisystem Trauma | IS THE "DEATH TRIAD" A CASUALTY OF MODERN DAMAGE CONTROL RESUSCITATION? |
| Ernest Moore | 254 | Multisystem Trauma | THE ROLE OF ACUTE ISOLATED DIASTOLIC HYPOTENSION IN END-ORGAN INJURY |
| Ernest Moore | 263 | Hemorrhagic Shock/Resuscitation | PARTIAL REBOA IN AORTIC ZONE I IMPROVED SURVIVAL IN A SWINE UNCONTROLLED HEMORRHAGE MODEL |
| Ernest Moore | 265 | Hemorrhagic Shock/Resuscitation | IMPACT OF DELTA SYSTOLIC BLOOD PRESSURE AFTER REBOA PLACEMENT IN NON-COMPRESSIBLE TORSO HEMORRHAGE PATIENTS: AN ABOTrauma REGISTRY ANALYSIS |
| James Lederer | 184 | Sepsis | Tumor Antigen-Specific T Cells Exacerbate Mortality and Immune Dysregulation in Cancer Sepsis |
| James Lederer | 188 | Sepsis | CD4 AND CD8 T CELL MEMORY PLAY COMPLEMENTARY ROLES IN BOOSTING INNATE IMMUNITY FOLLOWING CECAL LIGATION AND PUNCTURE (CLP) |
| James Lederer | 189 | Sepsis | HYPOXEMIA OR NOT IN SEPSIS:DIFFERENTIAL EXPRESSISON OF T CELL-RELATED GENES |
| James Lederer | 190 | Sepsis | Differential surface expression of immune checkpoint protein, VISTA, on specific T cell subsets |
| James Lederer | 199 | Sepsis | Platelets influence regulatory T cell proliferation and activity during sepsis |

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| Laurie Kilpatrick | 219 | Immunology/Inflammation | MSP68 PEPTIDE ATTENUATES INFLAMMATION AND INJURY AFTER RENAL ISCHEMIA-REPERFUSION IN MICE |
| Laurie Kilpatrick | 229 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | ENDOTHELIAL PROGENITOR CELL EXOSOMES IMPROVE OUTCOMES OF THE LIPOPOLYSACCHARIDE-INDUCED ACUTE LUNG INJURY |
| Laurie Kilpatrick | 220 | Immunology/Inflammation | SENSORY NEURONS MODULATE ANTIGEN-SPECIFIC IMMUNE RESPONSES. |
| Lorraine Ware | 227 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | PATHOLOGICAL EFFECTS OF MICROVESICLES FROM INFECTED EX VIVO HUMAN LUNGS IN HUMANIZED SP-B TRANSGENIC MICE |
| Lorraine Ware | 228 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | SPHINGOSINE-1-PHOSPHATE PROTECTS THE PULMONARY ENDOTHELIUM AFTER EXPOSURE TO AGED RED BLOOD CELLS |
| Lorraine Ware | 231 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | ASSOCIATION OF FEVER AND ANTIPYRETIC MEDICATION WITH OUTCOMES IN MECHANICALLY VENTILATED PATIENTS |
| Lorraine Ware | 273 | Stem Cells/Regenerative Medicine/Cellular Therapeutics | CRYOPRESERVED MESENCHYMAL STEM CELLS REGAIN FUNCTIONAL POTENCY FOLLOWING A 24-HOUR ACCLIMATION PERIOD |
| Lorraine Ware | 274 | Stem Cells/Regenerative Medicine/Cellular Therapeutics | EVALUATION OF MESENCHYMAL STROMAL CELL DIFFERENTIATION FOR HEALING OF LARGE TISSUE DEFECTS |
| Matthias Majetschak | 207 | Sepsis | STRAIN AND STRAIN RATE ARE SUPERIOR TO EJECTION FRACTION AS ECHOCARDIOGRAPHY MARKERS OF CARDIAC SYSTOLIC DYSFUNCTION AND MORTALITY IN SEPTIC MICE |
| Matthias Majetschak | 208 | Sepsis | SEPSIS-ASSOCIATED CARDIAC METABOLIC CHANGES ARE RELATED TO PROTEIN SYNTHESIS AND FATTY ACID OXIDATION IN A MOUSE CLP MODEL |
| Matthias Majetschak | 232 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | SURFACTANT PROTEIN D MODULATES LUNG INFLAMMATION, REGENERATION AND FIBROSIS FOLLOWING ACUTE LUNG INJURY THROUGH NOTCH SIGNALING PATHWAY |
| Matthias Majetschak | 235 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | Bridging the Translational Gap in ARDS Research with an Innovative, Clinically-Relevant, High-Fidelity Swine Model |
| Matthias Majetschak | 240 | Immunology/Inflammation | EXTRACELLULAR COLD-INDUCIBLE RNA-BINDING PROTEIN ENHANCES MURINE PULMONARY FIBROSIS BY TLR4-DEPENDENT FIBROBLAST ACTIVATION |
| Melanie Scott | 209 | Sepsis | Extracellular Vesicle Size in Early Sepsis |
| Melanie Scott | 212 | Sepsis | LOW DOZE LIPOPOLYSACCHARIDE(LPS) INDUCE AUTOPHAGY, BUT HIGH DOZE LPS IMPAIR AUTOPHAGY IN ADIPOSE TISSUE |
| Melanie Scott | 213 | Sepsis | CECAL LIGATION AND PUNCTURE (CLP) INCREASES GLUCOCORTICOID RECEPTOR (GR) PHOSPHORYLATION IN LIVER |
| Melanie Scott | 245 | Molecular and Cellular Dysfunction in Shock | Fli-1 controls caspase-1 expression in mouse lung pericytes |

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| Melanie Scott | 247 | Multisystem Trauma | AGE APPEARS TO BE A PRIMARY DRIVER OF DYSFUNCTIONAL TRANSCRIPTOMIC AND EPIGENETIC ALTERATIONS IN HEMATOPOIETIC STEM CELLS AFTER TRAUMA |
| Michael Dubick | 267 | Hemorrhagic Shock/Resuscitation | SYSTEMIC AND MICROVASCULAR EFFECTS OF ALPHA-ALPHA CROSSLINKED HEMOGLOBIN-BASED OXYGEN CARRIER VERSUS A HIGHLY POLYMERIZED NOVEL HEMOGLOBIN PRODUCT (VIR-HBOC) IN A RAT 10% TOPLOAD MODEL |
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| Michael Dubick | 271 | Hemorrhagic Shock/Resuscitation | COMPARISON OF INFLAMMATORY RESPONSES BETWEEN HETASTARCH AND LACTATED RINGER'S SOLUTION TREATMENT |
| Michael Dubick | 272 | Other | SALUTARY EFFECTS OF ETHINYL ESTRADIOL-3-SULFATE ON CARDIAC FUNCTION FOLLOWING TRAUMA-HEMORRHAGE IN THE ABSENCE OF FLUID RESUSCITATION: RESTORATION OF ESTROGEN-RELATED RECEPTORS |
| Michael Dubick | 276 | Endothelium/Coagulation | RESUSCITATION AFTER INJURY ATTENUATES PLASMA-MEDIATED ENDOTHELIAL BARRIER DYSFUNCTION IN VITRO |
| Michaela West | 250 | Multisystem Trauma | COMBINED METABOLOMIC AND INFLAMMATORY MEDIATOR ANALYSIS SUGGESTS NOVEL INJURY SEVERITY-ASSOCIATED BIOMARKERS IN HUMAN BLUNT TRAUMA |
| Michaela West | 251 | Multisystem Trauma | THE ROLE OF BODY COMPOSITION AND ADIPOKINES IN TRAUMATIC INJURY |
| Michaela West | 255 | Multisystem Trauma | IMPACT OF TRAUMA CENTER VOLUME ON MAJOR VASCULAR INJURY: AN ANALYSIS OF THE NATIONAL TRAUMA DATA BANK (NTDB) |
| Michaela West | 256 | Multisystem Trauma | The Effects of Gentrification on a Level 1 Trauma Center in New York City |
| Michaela West | 258 | Traumatic Brain Injury (TBI)/Neuro-Inflammation | INTRAOPERATIVE OXIDATIVE DAMAGE, DELIRIUM, AND NEURONAL INJURY FOLLOWING CARDIAC SURGERY |
| Mitchell Cohen | 262 | Hemorrhagic Shock/Resuscitation | FRESH FROZEN PLASMA ATTENUATES LUNG INJURY IN A NOVEL MODEL OF PROLONGED HYPOTENSIVE RESUSCITATION |
| Mitchell Cohen | 264 | Hemorrhagic Shock/Resuscitation | EFFICACY OF AN FDA-APPROVED C1 COMPLEMENT INHIBITOR IN A PRE/EARLY HOSPITAL MODEL OF TRAUMATIC HEMORRHAGE IN SWINE |
| Mitchell Cohen | 266 | Hemorrhagic Shock/Resuscitation | EFFECTS OF SPLENECTOMY IN A PRE/EARLY HOSPITAL MODEL OF TRAUMATIC HEMORRHAGE IN SWINE |

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| Mitchell Cohen | 269 | Hemorrhagic Shock/Resuscitation | PROPHYLACTIC RESUSCITATIVE ENDOVASCULAR BALLOON OCCLUSION OF THE AORTA FOR THE SURGICAL MANAGEMENT OF MORBIDLY ADHERENT PLACENTA; A FEASIBILITY AND IMPLEMENTATION MODEL |
| Mitchell Cohen | 270 | Hemorrhagic Shock/Resuscitation | IMPROVED DATA FOR DECIDING WHEN TO PERFORM AN EMERGENCY DEPARTMENT THORACOTOMY |
| Mohammad Kiani | 221 | Immunology/Inflammation | NON-INVASIVE SPLENIC ULTRASOUND STIMULATION ATTENUATES ENDOTOXIN-INDUCED INFLAMMATORY RESPONSES |
| Mohammad Kiani | 222 | Immunology/Inflammation | Experimental Bioelectronic Treatment with a Vibrotactile Device Attenuates Systemic Inflammation |
| Mohammad Kiani | 238 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | AN AGENT BASED MODEL OF ALVEOLAR POPULATION DYNAMICS: A TOOL TO EVALUATE VENTILATION STRATEGIES FOR VENTILATOR INDUCED LUNG INJURY |
| Mohammad Kiani | 275 | Stem Cells/Regenerative Medicine/Cellular Therapeutics | A NOVEL BIOACTIVE SCAFFOLDING FOR IN VITRO MAINTENANCE OF HEMATOPOETIC STEM CELLS |
| Philip Efron | 236 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | Acute Lung Injury Stimulus Increases Placental Growth Factor to Induce Apoptosis in Lung Epithelial Cells |
| Philip Efron | 211 | Sepsis | SEQUENCING AND CHARACTERIZATION OF PLASMA SMALL RNA IN A MOUSE SEPSIS MODEL |
| Philip Efron | 226 | Immunology/Inflammation | Deep immune profile of preoperative glucocorticoid administration in patients undergoing surgery |
| Philip Efron | 239 | Acute Lung Injury/Multiple Organ Dysfunction Syndrome | Role of Endothelial MTOR in Acute Lung Injury |
| Philip Efron | 257 | Traumatic Brain Injury (TBI)/Neuro-Inflammation | A YEAR-LONG IMMUNE PROFILE OF THE SYSTEMIC RESPONSE IN ACUTE STROKE SURVIVORS |
| Rosemary Kozar | 249 | Multisystem Trauma | Derangements in the von Willebrand factor-platelet adhesion axis after trauma |
| Rosemary Kozar | 252 | Multisystem Trauma | Early alteration in amino acid metabolic pathway associated with persistent multiorgan dysfunction syndrome after trauma in humans |
| Rosemary Kozar | 259 | Traumatic Brain Injury (TBI)/Neuro-Inflammation | Incidence of anti-thrombotic III deficiency and developing anti-cardiolipin antibodies after severe traumatic brain injury |
| Rosemary Kozar | 260 | Molecular and Cellular Dysfunction in Shock | Traumatic Brain Injury influences the adaptive immune response in multiple injured patients. |
| Rosemary Kozar | 261 | Immunology/Inflammation | Vitamin D Status is Associated with Hepcidin and Hemoglobin Concentrations in Patients with Severe Traumatic Injury |

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| Wendy Walker | 196 | Sepsis | P2X4 PURINERGIC RECEPTORS ON MACROPHAGES INCREASE BACTERIAL KILLING AND PROTECT AGAINST SEPSIS |