



Alley Institute Student Research Poster Session Abstract Titles

Sequence Analysis and Phylogeny of the Baculovirus Fibroblast Growth Factors

Investigating a New Mechanism for Paclitaxel's (Taxol®) Effect on Microtubule Dynamics

In-vitro and in-vivo culture of Mesenchymal Stem Cells (MSCs) in a Novel Three Dimensional Cell Culture Product

Relating Deep Brain Stimulation Strategies and Cortical Responses for Hearing Restoration Based on Animal Studies

In Vitro Perfusion of Engineered Microvasculature

Regional Strain Variation in Human Cadaveric Lumbar Facet Ligament

Good and Poor Response Gene Expression Signatures to Proteasome Inhibitors Using a Mouse Model of Multiple Myeloma

A Network-Based Microscale Model of Non-Fibrillar Matrix in Soft Tissue

The Hepatitis C Virus NS5A Protein Binds to GU-rich Elements and Stabilizes Host Cellular Transcripts

The Nursing Minimum Data Set and Reuse of EHR Data for Outcome Analysis

Ultrastable, Redispersible, Small, and Highly Organo-Modified Mesoporous Silica Nanotherapeutics

Stiffness Sensitivity of Glioblastoma Multiforme Cells

Analysis of the Anterior Segment during Dynamic Pupil Dilation and Constriction using Optical Coherence Tomography

Targeted Liposomal Gene Delivery

Serum Metabolomic Markers in Porcine Polytrauma Identify Phase of Care and Risk for Mortality

Cytomegalovirus-induced sensorineural hearing loss with persistent cochlear inflammation in neonatal mice

Tim-3 is an inducible human natural killer cell receptor that enhances interferon gamma production in response to galectin-9

Effect of col4a5 mutation on mouse lens capsule mechanics

Alternans Prediction in Non-Periodically Paced Rabbit Heart

A Unique Model for the Entry of Biotechnology Products into Multiple Markets

A Novel Method for Removal of In-band Noise from ECGs

Access to Chinese Medical Device Market

Automatic Virtual Treatment Planning in Orthodontics

Experiential Learning in Medical Technology Commercialization

SNPs Role in the Regulation of Alpha-Toxin in Staphylococcus aureus

The Essential Protein, Gcp, is a Novel Repressor of Branch Chained Amino Acid Synthesis Pathway in Staphylococcus aureus

Contrasting acute graft-versus-host disease effects of Tim-3/galectin-9 pathway blockade dependent upon the presence of donor regulatory T-cells

Kinetics of Enzyme Inhibition and Antihypertensive Effects of Hemp seed (*Cannabis sativa* L.) protein hydrolysates

SHP-1 phosphatase is a critical regulator in preventing natural killer cell self-killing

Reducing Aminoglycoside Ototoxicity

Effects of cool climate berries on apoptosis

Impacts of Wheat Stubble Height on Soil Moisture Levels in Different Canola Growing Climate

Development of bike stimulator for rehabilitation of SCI patients

Evaluating Spatial Distribution of Oscillatory Potentials in Normal Rat Eye for Functional Assessment of Deformity

The Antimicrobial Peptide LL-37 is not Induced in Human Monocyte-derived Macrophages by Infection with *Salmonella enterica* serovar Typhi or Exposure to Purified Lipopolysaccharide

The Effects of Atrazine on BMP4 Protein levels in Liver and Serum isolated from *Phasianus colchicus*

The effect of atrazine on BMP4 levels in the bone marrow of pheasants (*Phasianus colchicus*) and chickens (*Gallus gallus*)

The Anti-Inflammatory Effects of Glycerol Monolaurate on TPA-Induced Inflammation in Musculus

The Effects of Glycerol Monolaurate on Tumor Necrosis Factor-Alpha Production in J774A.1 Murine Macrophage Cells

The Anti-Inflammatory Effects of Glycerol Monolaurate on TPA-Induced Inflammation in Musculus

An exploration of the copper binding properties of the methanobactin molecules (mb-OB3b and mb-SB2) produced by the methane-oxidizing bacteria Methyl

Recovery of Lymphatic Drainage Without Lymphatic Vessel Regeneration

In Vivo Study of the Long-Term Durability and Functionality of a Magnetoelastic-Based Vibrational Coating

Mechanically Controlled Nitric Oxide Releasing Natural Polymers for Tissue Engineering

A Wireless and Passive Magnetic Sensor for Monitoring Sphincter of Oddi Dysfunction

Use of Damping upon a Magnetoelastic Material to create a Load Cell

Remote Modulation of Cellular Behavior with Magnetoelastic Materials

A novel wave guide device for controlled nitric oxide release for use in cell culture

Increased Lymphatic Growth with Nitric Oxide and Electrospun Fibers

Physical Characterization of Nitric Oxide releasing Polymers

Effects of nitric oxide on early development of dorsal root ganglion cells

Electrospun Nano-fibers for the Controlled Release of Nitric Oxide

Low Cost Medical Devices for the Developing and Developed Worlds

Sub-Micrometer Magnetoelastic Vibrations as a Method of Modulating Bacterial Adhesion

Monitoring Hemoglobin Levels in the Blood While Taking an Iron Supplement Alone or with a Nitric Oxide Supplement

Is ecotourism negatively affecting whale behavior during breeding season in the coastal waters of Ecuador?