

# International Symposium on Engineering Complex Tissues

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## POSTERS

Tuesday, April 14, 2015

- **STEVEN CALIARI** – Mechanically Dynamic Hyaluronic Acid Hydrogels for Investigating Cellular Mechanotransduction
  - **KAREN DUBBIN** – Injectable, Two Component Hydrogels for Cell Delivery After Spinal Cord Injury
  - **NATHAN TESSEMA ERSUMO** – Effects of Hydrogel Properties and Extrusion Parameters on 3D Bioprinting
  - **PAMELA GRANAY** – Biomaterial-Mediated Control over Macrophage Behavior in Bone Regeneration
  - **LI-HSIN HAN** – Photocrosslinkable, Microribbon-like Elastomers for the In Situ Formation of Macroporous Tissue Engineering Scaffolds
  - **YOUNGBOK (ABRAHAM) KANG** – Liver on a Chip: Engineering the Liver Sinusoid
  - **MAKAN KHOSHNEJAD** – Targeted Delivery of Antioxidant Therapeutics to Pulmonary Endothelial Cells Using Ferritin Nanocages
  - **ALICIA KRIETE** – In Vivo and In Vitro Molecular Engineering of Urethral Tissue Using Novel Biomimetic Proteoglycans
  - **EMILY LURIER** – The Effects of Reactive Oxygen Species and Antioxidants on Macrophage Behavior
  - **JOHN MARTIN** – In Vitro Growth Trajectory and In Vivo Implantation of a Cell-Based Disc-like Angle Ply Structure for Total Disc Replacement
  - **JOSHUA E. MEALY** – Sustained Release of Small Molecules Using Host-Guest Complex Formation in Injectable Hydrogels
  - **SINA NASSIRI** – Harnessing the Inflammatory Response for the Diagnosis and Treatment of Diabetic Ulcers
  - **CHRISTOPHER RODELL** – Engineered Biomaterial Systems as a Preventative Treatment for Heart Failure
  - **VALERIE TUTWILER** – Antagonistic Effects of Platelets and Erythrocytes on Blood Clot Contraction
  - **ARANZAZU VILLASANTE** – Tissue-Engineered Models of Human Tumors for Cancer Research
  - **RYAN WADE** – Engineered Proteolytic Degradation and Spatial Control of Cell Adhesion within Electrospun Hyaluronic Acid Hydrogels
  - **CLAIRE WITHEREL** – Novel In Vitro and In Vivo Models to Mechanistically Evaluate the Foreign Body Response to Biomaterials
  - **TONY YU** – Macrophage Dynamics of the Foreign Body Response to Biomaterials and Wound Healing
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