ORAL LISTINGS			Saturday, October 8, 2016	POSTER & PAPER LISTINGS	
	Thursday, October 6, 2016	<u>OP-Sat-3-8</u>	3:15pm-4:45pm (OP Saturday-3) Dendritic Cell-Targeted Immunomodulation for Tolerance		Friday, October 7, 2016
<u>OP-Th-1-8</u>	8:00am-9:30am (OP Thursday-1) Characterization of Rodent Gait in Two Models of Osteoarthritic Pain B. Jacobs¹, K. Dunnigan¹, M. Pires-Fernandes¹, K. Allen¹	OP-Sat-3-17	B. Keselowsky¹ ¹University of Florida Electrocorticographic Features of Therapeutic Deep Brain	<u>P-Fri-17</u>	Quantitative Histological Measures of Bone and Synovium Correlate with Behavior in a Rat Model of OA H. Kloefkorn ¹ , K. Allen ¹ ¹ University of Florida
	¹ University of Florida Thursday, October 6, 2016 3:15pm-4:45pm (OP Thursday-3)		Stimulation in Tourette Syndrome J. Shute ¹ , E. Opri ¹ , R. Molina ¹ , J. Rossi ¹ , K. Foote ¹ , M. Okun ¹ , A. Gunduz ¹ ¹ University of Florida	P-Fri-25	Hydrogels with Conditionally Active Reporters for Studying Stem Cell Chondrogenesis G. Plumton ¹ , A. Martin-Pena ¹ , G. Palmer ¹ , B. Sharma ¹ ¹ University of Florida
OP-Th-3-10	Three-Dimensionally Templated Hydrogels for Peripheral Nerve Injury Repair C. Lacko ¹ , S. Porvasnik ¹ M. Wall ¹ , A. Garcia ¹ , C. Rinaldi ¹ , C. Schmidt ¹ ¹ University of Florida	<u>OP-Sat-3-3</u>	In Situ Oxygen Generation within Immunoisolating Device Improves Efficacy in Diabetic Rodent Model M. Coronel ¹ , C. Stabler ¹ ¹ University of Florida	<u>P-Fri-78</u>	Tetramethyl Orthosilicate as a Delivery Vehicle For Anti-inflammatories to Ameliorate the Foreign Body Response Associated with Micro-device Implantation K. Otto ³ , M. McDermott ² ¹ University of Florida, ² Purdue University
	Friday, October 7, 2016	POSTE	R & PAPER LISTINGS ————	<u>P-Fri-88</u>	Finite Element Modeling Predicts Electrophosphene Phenomena in tDCS or tACS Recipients
OP-Fr-2-5	1:45pm-3:15pm (OP Friday-2) Dendritic Cells Treated with Extracellular Indoleamine 2,3 Dioxygenase Maintain an Immature Phenotype and		Thursday, October 6, 2016		A. Indahlastari ² , A. Kasinadhuni ¹ , M. Chauhan ² , K. Castellano ¹ , M. Calvin ² , G. Srinivasan ² , A. Pendharkar ² , R. Sadleir ² ¹ University of Florida, ² Arizona State University
	Suppress Antigen-specific T cell Proliferation E. Bracho-Sanchez ¹ , A. Hassanzadeh ¹ , M. Wallet ¹ B. Keselowsky ¹ ¹ University of Florida	<u>P-Th-132</u>	Towards a Closed-Loop Deep Brain Stimulator for the Improved Treatment of Essential Tremor E. Opri', J. Shute¹, R. Molina¹, M. Okun², K. D. Foote¹, A. Gunduz¹ ¹University of Florida	<u>P-Fri-223</u>	Coordinated Dynamics of RNA Splicing Speckles In The Nucleus Q. Zhang ¹ , K. Kota ² , S. Alam ¹ , J. Nickerson ³ , R. Dickinson ¹ , T. Lele ¹
	Friday, October 7, 2016 4:00pm-5:30pm (OP Friday-3)	P-Th-133	Closed-Loop Deep Brain Stimulation Using Wearable		¹ University of Florida, ² Perkin Elmer Inc., ³ University of Massachusetts Medical School
OP-Fr-3-5	A Dual-Microparticle System to Modulate Autoimmunity in an Antigen-Specific Context J. Stewart ¹ , J. Lewis ² , B. Keselowsky ¹ ¹ University of Florida, ² University of California, Davis		Sensors for the Improved Treatment of Essential Tremor J. Cagle ¹ , K. Tufekci ¹ , F. Perez ¹ , N. Patel ¹ , D. Zuniga ¹ , G. Nguyen ¹ , E. Opri ¹ , A. Gunduz ¹ ¹ University of Florida	<u>P-Fri-257</u>	Nuclear Volume Expansion Induced by Cell Shape Changes During Migration V. Tocco ¹ , V. Aggarwal ¹ , S. Baker-Groberg ² , O. McCarty ² , R. Dickinson ¹ , T. Lele ¹
OP-Fr-3-2	3D Tumor Model to Investigate Natural Killer Cell-Cancer Cell Interactions 1. Adjei ¹ , G. Plumton ¹ , J. Djeu ² , B. Sharma ¹ ¹ University of Florida, ² Moffitt Cancer Center	<u>P-Th-135</u>	Towards Responsive Deep Brain Stimulation for Medically Refractory Freezing of Gait In Parkinson's Disease R. Molina ¹ , J. Shute ¹ , E. Opri ¹ , P. Rossi ² , K. Foote ¹ , M. Okun ¹ , A. Gunduz ¹ ¹ University of Florida	<u>P-Fri-280</u>	¹ University of Florida, ² Oregon Health & Science University Detecting Silica-Coated Gold Nanostars Within Surface-Enhanced Resonance Raman Spectroscopy Mapping Via Semi-Supervised Framework Combining Feature Selection and Classification
<u>OP-Fr-3-12</u>	Co-assembly Tags Based on Charge Complementarity (CATCH) for Installing Functional Protein Ligands Into	<u>P-Th-278</u>	Multivalent Capture of Tumor Cells Using Microfluidic Devices A. Gams ¹ , J. Zhang ¹ , W. Sheng ¹ , Z. Hugh Fan ¹		P. Pardalos ¹ , J. Pi ¹ , M. Fenn ² ¹ University of Florida, ² Florida Institute of Technology
	Supramolecular Biomaterials D. Seroski ¹ , A. Restuccia ¹ , A. Sorrentino ¹ , K. Knox ¹ , S. Hagen ¹ G. Hudalla ¹ ¹ University of Florida	<u>P-Th-442</u>	¹ University of Florida Salmonella Detection Using Magnetic Sensors: High Sensitivity and High Throughput	<u>P-Fri-311</u>	Astrocytic Differentiation of Human Malignant Glioblastoma U87MG Cells Induced by Porous Poly (1,8-octanediol-co-citrate) Wafers Loaded with All-trans Retinoic Acid T. Sanders ¹ , A. Webb ¹
	Saturday, October 8, 2016 8:00am-9:30am (OP Saturday-1)		M. Torija², K. Dorfman³, L. Maldonado-Camargo¹, C. Rinaldi¹, J. Sheats³, S. Sreevatsan³, M. Tondra⁴, P. Mueller²	P-Fri-325	¹ University of Florida Pancreatic Cancer Microtissues to Investigate the Mechanical
OP-Sat-1-4	Engineering Antioxidant Nanoscale Layer-by-Layer Coatings for Islet Transplantation	D-Th-E1E	¹ University of Florida, ² NVE Corporation, ³ University of Minnesota, ⁴ Diagnostic Biosensors	<u> </u>	Microenvironment of Tumors A. Rubiano ¹ , D. Delitto ¹ , S. Han ¹ , S. Hughes ¹ , C. Simmons ¹ ¹ University of Florida
	N. Abuid¹, K. Gattas-Asfura¹, E. Yang², M. Valdes², C. Stabler¹¹University of Florida, ²University of Miami	<u>P-Th-515</u>	Simulation of Magnetic Particle Capture For Extracorporeal Magnetic Separation of Inflammatory Cytokines for Cardiopulmonary Bypass (CPB) Procedures	<u>P-Fri-370</u>	A Novel Biphasic Vascular Graft for Engineering Small Diameter Blood Vessels
	Saturday, October 8, 2016 1:30pm-3:00pm (OP Saturday-2)		O. Lanier ¹ , C. Velez ¹ , J. Dobson ¹ ¹ University of Florida		V. Ramaswamy ² , A. Goins ² , J. Allen ² ² University of Florida
<u>OP-Sat-2-3</u>	Mechanical Surrogates of Brain Tissue D. Stewart ¹ , A. Rubiano ¹ , C. Simmons ¹ ¹ University of Florida	<u>P-Th-517</u>	Magnetic Particle Capture as a Surrogate Measure for Synovial Fluid Viscosity Y. Shah', L. Maldonado-Camargo¹, N. Patel¹, E. Yarmola¹, C. Rinaldi¹, J. Dobson¹, K. Allen¹ ¹University of Florida	<u>P-Fri-480</u>	Poly(diol citrate) Modified Bare Metal Stents for Drug Delivery D. Lichlyter ¹ , A. Webb ¹ ¹ University of Florida
OP-Sat-2-16	Quadruple Labelled Mouse to Study Tissue Response to Brain Implanted Devices J. Gaire ¹ , H. Chang Lee ¹ , S. Currlin ¹ , K. J. Otto ¹ ¹ University of Florida	P-Th-593	Increasing Modulus of Perfusion-Decellularized Kidney Organ Scaffolds to Enhance Recellularization A. Goloubev², A. Rubiano¹, A. Brown², E. Ross², C. Simmons¹, B. Willenberg² ¹University of Florida, ²University of Central Florida College of Medicine	<u>P-Fri-501</u>	Establishing Design Criteria for Targeted Nanoparticle Delivery in the Joint S. Brown ¹ , B. Sharma ¹ ¹ University of Florida

POSTER & PAPER LISTINGS

Saturday, October 8, 2016

P-Sat-91 **Exploring Iron Oxide Response Under Biological Conditions**

Using Magnetic Particle Spectrometry

D. Prestridge¹, R. Dhavalikar¹, A. Bohorquez¹, N. Garraud¹, M. Unni1, A. Chiu-Lam1, D. Arnold1, C. Rinaldi1

¹University of Florida

Biomimetic Substrates For Mechanobiology Investigations P-Sat-237

of Pancreatic Cancer

W. Fares¹, A. De La Pena¹, A. Rubiano¹, C. Elliott², C. Simmons¹

¹University of Florida, ²Sarasota High School

Differential Gene Expression Of ECM Proteins and Adhesion P-Sat-410 **Molecules In Tailored Polyacrylamide Gels**

Z. Weishampel¹, D. Berrie¹, A. Doty¹, S. Glover¹

¹University of Florida

Validating an Experimental Dynamic Gait Arena for P-Sat-546 **Measuring Vertical Ground Reaction Forces in Mice**

Samantha Haus¹, Emily Lakes¹, Brittany Jacobs¹, Kyle Allen¹

¹University of Florida

Effects of Grader Skill Level on Measurement Variability P-Sat-548

J. Berko¹, H. Kloefkorn¹, K. Allen¹

¹University of Florida

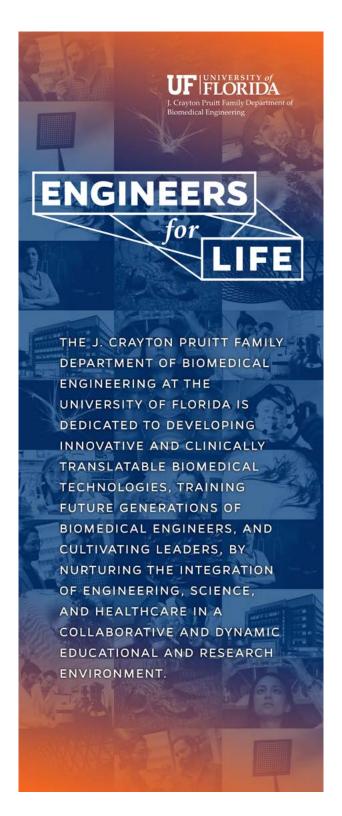




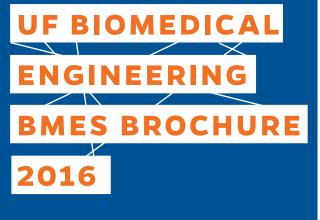








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