Poster Session **Abstracts — Table of Contents**

Poster #	Presenting Author	Affiliation	Abstract Title
1	Ayan, Bugra	Pennsylvania State University	A New Aspiration-assisted Bioprinting Method for Tissue Fabrication
2	Busari, Hafiz	Lehigh University	3D Printing with Peptide-Polymer Conjugates to Create Spatially Organized Scaffolds for Tissue Engineering
3	Fakhrzadeh, Amir	Rutgers University	Synthetic Polymer-Calcium Phosphate Derived Scaffolds for Alveolar Bone Regeneration: Clinical Perspective
4	Fung, Stephanie	Rutgers University	Recruitment of osteoclasts to re-establish bone turnover as a new strategy for bone regeneration: finding #1 - a CaP-free polymeric substrate can support "ruffled border" formation
5	Gray, David	Rutgers University	Epigenetically Directed Differentiation on Drug-Eluting Scaffold for Osteochondral Implant
6	Gu, Zhaowei	The Affiliated Hospital of Changchun University of Chinese Medicine, Changchun, China	Engineered Nano Bioactive Materials for Directed Multi-dimensional Cell Alignment and Differentiation
7	Gudapati, Hemanth	Pennsylvania State University	In-situ Droplet-based Bioprinting for Functional Skin Regeneration
8	Jacob, Vimal	Osiris Therapeutics	Ambient Temperature Viable Amnion Processed Via Novel Lyopreservation Method Retains Properties of Fresh Tissue
9	Jadali, Azadeh	3D Biotek	Expansion of Adipose-derived Stem Cells Using a Novel 3D Cell Expansion System for Stem Cell Therapy
10	Ji, Shen	NJIT	Rapidly Constructing 3D Vascular Network with Photocurable and Sacrificial Hydrogels
11	Kharge, Angana	Integra Life Sciences	Porcine Model of Delayed Wound Healing: Effect of Surgical Debridement
12	Kosuri, Shahshank	Rutgers University	Highly Controlled Open RAFT Polymerizations by Enzyme Degassing
13	Krull, Ashley	Mayo Clinic	Tracking and Hacking Autologous Adipose-Derived Mesenchymal Stromal Cells to Improve ALS Treatment
14	Lacko, Christopher S.	University of Florida	Magnetically Templated Hydrogels: Aligned Porous Microarchitecture Promotes Axonal Elongation After Rat Sciatic Nerve Injury In Vivo
15	Lakshmikanthan, Adhithi	Rutgers University	3D Printing Highly Porous Bone Scaffolds
16	Li, Xianfeng	Clemson University	Molecular Modeling to Predict Peptide Accessibility for Peptide-functionalized Hydrogels
17	Mao, Yong	Rutgers University	An Innovative Laboratory Procedure to Expand Chondrocytes with Reduced Dedifferentiation
18	Molde, Joseph	Rutgers University	Development of Tacrolimus-Loaded Polymeric Local Delivery System for Immunosuppression
19	Moncal, Kazim Kerim	Pennsylvania State University	In Situ Bioprinting of Bone Tissue Constructs
20	Murthy, Sanjeeva	Rutgers University	Issues in Fabrication and 3D Printing of Tissue Engineering Scaffolds from degradable polymers
21	Pastino, Alexandra	Rutgers University	A Pro-Angiogenic Peptide-Tethering Platform Using Biotinylated Tyrosine-Derived Polymeric Fiber Mats
22	Saxena, Shruti	Rutgers University	Mineralized Synthetic Polymer Scaffolds for Jaw Bone Tissue Regeneration
23	Schwarzenberg, Peter	Lehigh University	Determination of Mechanical Properties for 3D-Printed Microfibers
24	Singh-Varma, Anya	Rutgers University	The Effect of Human Cryopreserved Viable Amniotic Membrane on the Biofilm Formation By P.Aeruginosa
25	Steele, Joseph	Rutgers University	3D Printing Thermosensitive Polymers: The Development of Filament-Based Direct Writing Melt Electrospinning
26	Tae-il, Son	Chung-Ang University (South Korea)	Immobilization of BMP-2 on Metal Surface Using Chitosan Derivative with Dual Functions
27	Tatu, Rigwed	University of Cincinnati	Development of a Self-Expanding Patch for Fetoscopic Myelomeningocele Repair
28	Wu, Xiaohuan	Rutgers University	Scaling-Up and Quality Assurance of Tyrosine-Based Polymer/Calcium Phosphate Scaffolds for Bone Regeneration in Sheep Tibial Model
29	Zhang, Weibo	Tufts University	Decellularized Tooth Bud Scaffolds for Tooth regeneration
30	Zhang, Weibo	Tufts University	CF-04 Bioengineered Alveolar Bone and Tooth Constructs