

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
TUESDAY, 28TH JUNE 2022		
PS01 3D IN VITRO TISSUE-ENGINEERED CANCER/DISEASE MODELS – SESSION I		
PS01.1	3D ADIPOSE-LIKE TISSUE ANALOGUES BEARING INFLAMED AND HYPERTROPHIED ADIPOCYTES TO STUDY OBESITY IN VITRO	Alexandra P. Marques
PS01.2	3D PROSTATE CANCER IN VITRO MODELS	Khalsa Alhusaini
PS01.3	A TAILORED BIOREACTOR SYSTEM COMBINED WITH A BIOPRINTED MICROVESSEL SUBSTITUTE ENABLES THE INVESTIGATION OF CHEMOTAXIS IN IN VITRO MODELS	Mattis Wachendörfer
PS01.4	A THREE-DIMENSIONAL DYNAMIC MODEL OF OVARIAN CANCER BY USING A PERFUSION BIOREACTOR	Tali Tavor Re'em
PS01.5	A TISSUE ENGINEERING APPROACH TO STUDY BONE METASTASES IN VIVO	Maria Elisabetta Federica Palamà
PS01.6	ALGINATE MICROFIBERS WITH IMMOBILIZED CANCER CELLS AS A 3D CANCER MODEL FOR ANTICANCER DRUG TESTING	Jelena Petrovic
PS01.7	BIOENGINEERING THE HUMAN BONE NICHE WITH HIGH ADIPOSE CONTENT TO STUDY ADVANCED CANCER IN VITRO AND IN VIVO	Nathalie Bock
PS01.8	BIOMIMETIC THREE-DIMENSIONAL IN VITRO MODEL OF THE BLOOD-BRAIN BARRIER UTILIZING GELMA HYDROGELS	John Saliba
PS01.9	COAXIAL PRINTING OF CONVOLUTED PROXIMAL TUBULE FOR KIDNEY DISEASE MODELLING	Anne Metje Van Genderen
PS01.10	DERIVED TUMOR EXTRACELLULAR MATRIX IS SUITABLE TO 3-DIMENSIONAL CELL GROWTH AND PROVIDE A PROPER ENVIRONMENT FOR TUMOR CELLS	Marta Nardini
PS01.11	DESIGN OF A COMBINED COLLAGEN AND LUNG DECELLULARIZED EXTRACELLULAR MATRIX HYDROGEL FOR THE STUDY OF THE LUNG TUMOR MICROENVIRONMENT (TME)	Lara Milián
PS01.12	DEVELOPING A 3D MODEL OF COLORECTAL CANCER TUMOUR MICROENVIRONMENT	Eileen Reidy
PS01.13	ELUCIDATION OF COLLAGEN FIBRE STRUCTURE IN OSTEOGENESIS IMPERFECTA USING SECOND HARMONIC GENERATION IMAGING ON POLYCAPROLACTONE FIBRES	Gwendolen Reilly
PS01.14	ENGINEERING A BIOMIMETIC THREE-DIMENSIONAL TUBULAR ORGAN-ON-CHIP USING SYNTHETIC BIOPOLYMERS TO MODEL PATHOPHYSIOLOGICAL CONDITIONS	George Deeb
PS01.15	ENGINEERING BIOMIMETIC PATIENT DERIVED RENAL CELL CARCINOMA TUMOUROIDS	Kalliopi Bokea

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS01.16	GLIOMA-ON-A-CHIP PLATFORM	Merve Ustun
PS01.17	IN VITRO 3D OSTEOSARCOMA MODELS TO IMPROVE THERAPY OUTCOMES TOWARDS CANCER STEM CELLS NICHE	Giada Bassi
PS01.18	LABEL-FREE FLUORESCENCE LIFETIME IMAGING MICROSCOPY AND RAMAN MICROSCOPY FOR IN SITU DRUG EFFICACY TESTING ON PATIENT-DERIVED BLADDER CANCER ORGANOIDS.	Lucas Becker
PS01.19	MATRIX REMODELING DURING PANCREATIC CANCER CELL ORGANIZATION	Ali Nadermezhad
PS01.20	MICROPARTICLE BASED MICROGEL FOR THE STUDY OF THE TUMORAL MICROENVIRONMENT (TME).	Manuel Mata
PS01.21	MODELLING IDIOPATHIC LUNG FIBROSIS IN VITRO: A NOVEL STRATEGY FOR THE ASSESSMENT OF ANTI-FIBROTIC PHARMACEUTICALS	Jessica Simpson
PS01.22	MODELLING INFLAMMATORY BOWEL DISEASE IN VITRO FOR THE DEVELOPMENT OF PHARMACEUTICALS	Claire Mobbs
PS01.23	NOVEL MECHANICALLY TUNEABLE THREE-DIMENSIONAL IN VITRO MODELS FOR PROSTATE CANCER PROGRESSION AND ADAPTATION UNDER DIFFERENT STIFFNESS	Siriwat Sukphokkit
PS01.24	THE EFFECT OF MACROMOLECULAR CROWDERS ON DEPOSITION OF EXTRACELLULAR MATRIX IN ASTROCYTES	Sorour Nemati
PS01.25	THREE-DIMENSIONAL CELL CULTURE SYSTEM AS AN IN VITRO PLATFORM FOR LUNG CANCER MODELING	Désirée Baruffaldi
PS01.26	TOWARDS A NEW THERAPEUTIC MODALITY FOR BLADDER CANCER: VECTORISED PHOTODYNAMIC THERAPY VALIDATED IN TUMOR MODELS OF INCREASING COMPLEXITY	Laure Gibot
PS01.27	TYPE VII COLLAGEN EVALUATION IN RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSA HUMAN SKIN EQUIVALENTS FOLLOWING NON-VIRAL VECTOR GENE THERAPY	Mihai Negru
PS02 3D IN VITRO TISSUE-ENGINEERED CANCER/DISEASE MODELS – SESSION II		
PS02.1	CHARACTERISATION OF COLLAGEN/CHONDROITIN SULFATE AND COLLAGEN/HYALURONIC ACID SCAFFOLDS TO MODEL THE PROSTATE CANCER MICROENVIRONMENT.	Nezar Kamal
PS02.2	ON THE OPTIMISATION AND TAILORING OF THE ECM COMPLEXITY TO THE CANCER AND STROMAL CELLULAR COMPARTMENTS OF A BIOMATERIAL BASED NOVEL 3D MODEL OF PANCREATIC CANCER TISSUE	Anna Dimitra Katakis
PS02.3	SYNERGETIC EFFECT OF MECHANICAL STIMULATION AND ECM MICROENVIRONMENT ON LUNG FIBROBLASTS IN AN EX VIVO MODEL FOR IPF	Linda Elowsson
PS02.4	SYNTHETIC PRE-VASCULARIZED POROUS SCAFFOLD AS AN ENGINEERED ENVIRONMENT FOR THE IN VITRO OSTEOSARCOMA MODEL	Ksenia Menshikh
PS02.5	TISSUE ENGINEERING RESOURCE CENTER – TRAINING, DISSEMINATION AND OUTREACH FOR THE NEXT GENERATION OF TISSUE ENGINEERS	Susan P. Halligan

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS03 3D PRINTING OF BIONIC ORGANS – HOW FAR ARE WE FROM CLINICAL APPLICATION?		
PS03.1	BIONIC PANCREAS – 3D BIOPRINTING OF A BIONIC ORGAN WITH A VASCULAR SYSTEM – RESULTS OF TRANSPLANTATION IN LARGE ANIMALS	Marta Klak
PS03.2	MATURATION AND EVALUATION OF 3D PRINTED BIONIC PANCREAS WITH A DEDICATED BIOREACTOR.	Marta Klak
PS06 ADVANCED BIOTECHNOLOGY AND BIOFABRICATION APPROACHES FOR SOFT TISSUE ENGINEERING AND IN VITRO MODELS: THE ENLIGHT AND BIRDIE PERSPECTIVE		
PS06.1	DESIGN AND ADDITIVE MANUFACTURING OF SCAFFOLDS FOR LARGE-VOLUME SOFT TISSUE ENGINEERING	Mina Mohseni
PS06.2	ESSENTIAL STRUCTURE-PROPERTIES-PROCESS RELATIONS FOR SUSTAINED LARGE-VOLUME SOFT TISSUE REGENERATION	Dietmar W. Huttmacher
PS06.3	FLEXIBLE AND TOUGH 3D PRINTED MESHES FOR SOFT TISSUE RECONSTRUCTION	Mina Mohseni
PS06.4	HOW TO DERIVE STABLE ACOUSTIC DROPLET EJECTION PARAMETERS FOR COMBINED MACRO AND MICRO LEVEL BIOPRINTING	Stefan Jentsch
PS06.5	RETINA BIOFABRICATION USING NOVEL ELECTROSPUN NANOFIBROUS SCAFFOLDS AS PROSTHETIC BRUCH'S MEMBRANE	Beatrice Belgio
PS06.6	TOWARDS PHYSIOLOGICALLY RELEVANT BIOPRINTED KIDNEY IN VITRO MODELS	Gabriele Addario
PS07 ADVANCES IN CARDIAC TISSUE ENGINEERING: IN VITRO PLATFORMS AND IN VIVO REGENERATION		
PS07.1	BIOFABRICATION OF MINIATURISED, PATIENT-SPECIFIC HYDROGEL VESSELS	Jorge Alberto Amaya Catano
PS07.2	BIOMIMETIC SCAFFOLD-BASED IN VITRO PLATFORMS RESEMBLING THE MAIN FEATURES OF HUMAN MYOCARDIAL FIBROTIC TISSUE	Gerardina Ruocco
PS07.3	BIOPATTERNING OF 3D CELLULAR STRUCTURES VIA CONTACTLESS MAGNETIC MANIPULATION FOR DRUG SCREENING	Rabia Onbas
PS07.4	DEGRADATION PERFORMANCE OF A NEW MECHANICALLY REINFORCED DEGRADABLE PHEMA FOR TISSUE ENGINEERING APPLICATIONS: FROM IN VITRO TO IN VIVO	Duarte Moura
PS07.5	DESIGN OF THREE-DIMENSIONAL BIOARTIFICIAL STRETCHABLE SCAFFOLDS THROUGH ADDITIVE MANUFACTURING FOR AN IN VITRO MODEL OF FIBROTIC CARDIAC TISSUE.	Mattia Spedicati
PS07.6	ELECTROCONDUCTIVE PHOTO-CURABLE PEGDA-GELATIN/PEDOT:PSS HYDROGELS FOR PROSPECTIVE CARDIAC TISSUE ENGINEERING APPLICATION	Daniele Testore
PS07.7	ENGINEERED MODELS OF FIBROTIC CARDIAC TISSUE AS PREDICTIVE PLATFORMS FOR PRECLINICAL VALIDATION	Gerardina Ruocco
PS07.8	GENERATION OF A PATIENT-SPECIFIC CARDIAC FIBROSIS MODEL TO ANALYZE LNCRNA CONTRIBUTION TO HEART DISEASE	Daniel Pereira-Sousa

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS08 ANTIMICROBIAL BIOMATERIALS FOR BONE REGENERATION		
PS08.1	DROP ON DEMAND PRINTING OF A POLYMER-BASED COMPOSITE RELEASING THE ANTIMICROBIAL PEPTIDE SAAP-148 ON TITANIUM TO PREVENT ORTHOPAEDIC INFECTIONS	Martijn Riool
PS08.2	EFFECT OF GALLIUM DOPED HYDROXYAPATITE ON P. AERUGINOSA BACTERIA GROWTH	Marika Mosina
PS08.3	FUNCTIONAL E-POLYLYSINE/HYALURONIC ACID HYDROGELS WITH ANTIBACTERIAL ACTIVITY	Artemijs Sceglavs
PS08.4	POLYPHENOLS AND MESOPOROUS BIOACTIVE GLASSES DOPED WITH THERAPEUTIC IONS AS BIOFUNCTIONAL ADDITIVES FOR PCL-BASED COMPOSITES	Kamila Chęcińska
PS08.5	SILVER-DOPED CALCIUM TITANATE LAYER WITH IN VIVO BONE-BONDING ABILITY TO FIGHT BONE BACTERIAL INFECTION IN TITANIUM IMPLANTS	David Piñera Avellaneda
PS09 BIOBANKING - INDISPENSABLE SUPPORT FOR THE DEVELOPMENT OF REGENERATIVE MEDICINE		
PS09.1	DEVELOPMENT OF AN INNOVATIVE DRESSINGS FOR HARD-TO-HEAL WOUNDS: FROM THE BIOBANK TO ADSC-ENRICHED WOUND-CARE PRODUCT	Ilona Szablowska-Gadomska
PS12 BIOFABRICATION WITH LIGHT-BASED TECHNOLOGIES AND HIGH-DEFINITION PRINTING		
PS12.1	3D PRINTABLE SELF-HEALING HYDROGEL AND INJECTABLE CRYOGEL BASED ON GELATIN AND POLYURETHANE	Qian-pu Cheng
PS12.2	DIGITAL LIGHT PROCESSING OF POLYESTER-BASED MATERIALS AS AN ALTERNATIVE ROUTE TOWARDS PATIENT-SPECIFIC BREAST RECONSTRUCTION	Coralie Greant
PS12.3	GELMA/NHA BIOMATERIALS INK FOR BONE TISSUE IN VITRO MODELS	Matteo Pitton
PS12.4	PHOTOINITIATOR- AND RADICAL-FREE HIGH RESOLUTION BIOPRINTING	Riccardo Rizzo
PS12.5	UV-CURABLE POLYMER AND NANO HYDROXYAPATITE INKS FOR MULTI-MATERIAL 3D INKJET PRINTING FOR TISSUE ENGINEERING	Michael Kainz
PS16 BIOMATERIALS FROM NATURE BASED ON EXTRACELLULAR MATRICES: ENGINEERING, REPOPULATION AND REGENERATIVE POTENTIAL		
PS16.1	3D BIOPRINTED SCAFFOLDS BASED ON FUNCTIONALISED BIOPOLYMERS FOR SOFT TISSUE ENGINEERING	Isabella Cobzariu
PS16.2	A FEASIBILITY STUDY OF DEVELOPING CONDUCTIVE, ADHESIVE, REMODELLABLE AND ELASTIC GUMS (CAREGUMS) FOR MENDING BONE FRACTURES	Morteza Alehosseini
PS16.3	A FIBROUS NATURE OF HYDROGELS PROMOTES DIRECTED MIGRATION OF SCHWANN CELLS	Flavia Millesi
PS16.4	APPLICATION OF MICELLAR ELECTROKINETIC CHROMATOGRAPHY FOR DETECTION OF SILVER NANOPARTICLES RELEASED FROM WOUND DRESSING	Ewa Kłodzińska

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS16.5	AUGMENTED BONE REGENERATION OF SUPERCRITICAL CARBON DIOXIDE DECELLULARIZED BONE MATRIX SEEDED WITH ADIPOSE-DERIVED MESENCHYMAL STEM CELLS	Keng-fan Liu
PS16.6	BIOCOMPATIBILITY OF DUAL CROSS-LINKED GELATIN-ALGINATE HYDROGELS	Marta Tuszyńska
PS16.7	BIOINK BASED ON THE DECM FOR 3D-BIOPRINTING OF BIONIC PANCREAS - FIRST RESULTS OF ANIMAL	Marta Klak
PS16.8	BIOLOGICAL AND MECHANICAL CHARACTERIZATION OF A DECELLULARIZED PORCINE ESOPHAGEAL BIOLOGICAL MATRIX	Romane Lesieur
PS16.9	BIOPRINTING OF BIOACTIVE TISSUE SCAFFOLDS FROM ECOLOGICALLY-DESTRUCTIVE FOULING TUNICATES	Vijayavenkataraman Sanjairaj
PS16.10	CARTILAGE DERIVED EXTRACELLULAR MATRIX INCORPORATED SILK FIBROIN HYBRID SCAFFOLDS FOR ENDOCHONDRAL OSSIFICATION MEDIATED BONE TISSUE REGENERATION	Vivek Jeyakumar
PS16.11	CHAMELEON-INSPIRED MULTIFUNCTIONAL PLASMONIC NANOPLATFORMS FOR BIOSENSING APPLICATIONS	Yasamin Ziai
PS16.12	COLLAGEN-MULTIWALLED CARBON NANOTUBES NANOCOMPOSITE SCAFFOLDS MODIFIED WITH CURCUMIN FOR TISSUE ENGINEERING APPLICATIONS: AN IN-VITRO AND IN-VIVO STUDY	Moein Zarei
PS16.13	CRANIOFACIAL BONE DEFECT REPAIR USING POLYMER SCAFFOLDS AND CELL DERIVED MATRIX	Witchayut Sasimonthon
PS16.14	DECELLULARISATION OF WHOLE HUMAN CONDYLES FOR OSTEOCHONDRAL REPAIR	Halina T. Norbertczak
PS16.15	DEVELOPMENT AND CHARACTERIZATION OF INKS FOR 3D BIOPRINTING IN TENDON TISSUE REGENERATION: NATURAL BIOMATERIALS FOR THE DEVELOPMENT OF BIOMIMETIC SCAFFOLDS	Sandra Ruiz-Alonso
PS16.16	DEVELOPMENT OF A BIOINSPIRED ENGINEERED OVARY TO RESTORE FERTILITY IN CANCER PATIENTS	Mira Jacobs
PS16.17	DEVELOPMENT OF A BIOMIMETIC IMPLANT WITH STIFFNESS-DEPENDENT IMMUNOMODULATORY FUNCTIONALITY AND NEUROTROPHIC CHARACTERISTICS FOR SPINAL CORD INJURY.	Ian Woods
PS16.18	DEVELOPMENT OF A GELMA-PECTIN-BASED HYDROGEL MATERIAL FOR SOFT TISSUE DRESSINGS.	Alicja Olszewska
PS16.19	DEVELOPMENT OF AN AUTOMATED SYSTEM FOR EFFECTIVE AND REPEATABLE DYNAMIC URINARY BLADDER DECELLULARIZATION	Zuzanna Fekner
PS16.20	DEVELOPMENT OF UDECM AND SACCHACHITIN COMBINED WITH PLATELET-RICH PLASMA (PRP) TO ENHANCE DIABETIC WOUND HEALING	Wei-jie Cheng
PS16.21	ENGINEERING THE LIVER USING SELF-ASSEMBLED PEPTIDE HYDROGELS	Alberto Saiani

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS16.22	EX VIVO AND IN VIVO ANALYSIS OF A NOVEL PORCINE AORTIC PATCH FOR VASCULAR RECONSTRUCTION	Said Alkildani
PS16.23	FABRICATION OF MYOBLAST-PATCH AND CONDUCT AN ELECTRICAL STIMULATION FOR MUSCLE REGENERATION	Jungwoo Moon
PS16.24	FABRICATION OF RENEWABLE AND ACTIVE CO ₂ -DERIVED BIOCOMPOSITES BY GREEN AND SUSTAINABLE WATER-BASED PROCESS	Thi Nga Tran
PS16.25	GENERATION OF DECELLULARIZED SCLEROCORNEAL LIMBI FOR USE IN TISSUE ENGINEERING PROTOCOLS	David Sánchez-Porras
PS16.26	HIERARCHICALLY TARGETABLE POLYSACCHARIDE-COATED SOLID LIPID NANOPARTICLES AS AN ORAL CHEMO/THERMOTHERAPY DELIVERY SYSTEM FOR LOCAL TREATMENT OF COLON CANCER	Hsin-cheng Chiu
PS16.27	HYALURONIC ACID/LACTOSE-MODIFIED CHITOSAN ELECTROSPUN WOUND DRESSINGS – CROSSLINKING AND STABILITY CRITICALITIES	Martina Gruppuso
PS16.28	HYDROGEL MATERIALS BASED ON CHITOSAN CROSSLINKED WITH FUNCTIONALIZED POLYSACCHARIDES: IN VITRO CYTOCOMPATIBILITY AND CARTILAGE REGENERATION POTENTIAL	Szymon Salagierski
PS16.29	HYDROGELS FOR 3D EXTRUSION PRINTING OF GRADIENT SCAFFOLDS	Rency Geevarghese
PS16.30	INFLUENCE OF THE PARALLEL HOLES IN THE BONE REGENERATIVE MATERIAL FOR VERTICAL BONE AUGMENTATION	Shinji Kamakura
PS16.31	NANOFIBRILLATED CELLULOSE-BASED BIOINKS FOR BIOPRINTING AND 3D CELL CULTURE	Marica Markovic
PS16.32	NEW BIOREACTORS FOR RECELLULARIZATION OF PORCINE LIVER SCAFFOLD PIECES	Maria Stefania Massaro
PS16.33	OPTIMISING THE FABRICATION, SURFACE TREATMENT AND MECHANICAL STIMULATION TO IMPROVE THE CELL PROLIFERATION AND COLLAGEN PRODUCTION FROM PRIMARY DERMAL FIBROBLASTS IN VITRO	Jeerawan Thanarak
PS16.34	PERSONALIZED BONE MATRIX FOR HUMAN BONE DEFECT REPAIR USING 3D CAD/CAM CARVING AND SUPERCRITICAL CARBON DIOXIDE EXTRACTION TECHNOLOGY	Meng-yen Chen
PS16.35	POLYVINYL ALCOHOL/GELATIN ELECTROSPUN FIBERS LOADED METHYLPREDNISOLONE VIA HRP-MEDIATED CROSS-LINKING IN SPINAL CORD REPAIR	Mehdi Khanmohammadi
PS16.36	REGENERATIVE POTENTIAL OF BMSCS GROWN ON HIPSC-ENGINEERED EXTRACELLULAR MATRIX	Veronika Hruschka
PS16.37	SUPERCRITICAL EXTRACTION OF ECM COMPONENTS FOR BIOINK DEVELOPMENT	Luca Gasperini
PS16.38	SYNTHESIS AND CHARACTERISATION OF FIBRIN-DEXTRAN HYDROGELS FOR THE APPLICATION IN TISSUE ENGINEERED HEART VALVE IMPLANTS	Shannon Anna Jung
PS16.39	TISSUE ENGINEERING OF URETHRA – PREPARATION OF ACELLULAR SCAFFOLD	Marcela Kuniaková

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS17 BIOMATERIALS, STEM CELLS AND OSTOGENESIS, IMMUNOGENICITY AND BIOCOMPATIBILITY		
PS17.1	3D PRINTED IMMUNOMODULATORY SCAFFOLDS WITH CONTROLLED DRUG RELEASE FOR BONE REGENERATION	Majed Majrashi
PS17.2	A NOVEL IN VITRO STRATEGY FOR LONGER TERM DIFFERENTIATION OF HUMAN EMBRYONIC TISSUES AND SIMULATIONS OF TERATOMA FORMATION USING HUMAN PLURIPOTENT STEM CELLS	Alejandro Hidalgo Aguilar
PS17.3	A NOVEL NANOSTRUCTURED-MESOPOROUS-AMORPHOUS SILICA AND CALCIUM PHOSPHATE BIOMATERIAL FOR BONE REGENERATION APPLICATIONS	Luis Oliveros Anerillas
PS17.4	ALIGNED POLYURETHANE NANOFIBERS COATED WITH POLYPYRROLE: ANISOTROPY AND CONDUCTIVITY AS CELL-INSTRUCTIVE CUES	Leona Mahelová
PS17.5	APPLICATION OF CARTILAGE EXTRACELLULAR MATRIX FOR ENHANCING THE THERAPEUTIC EFFICACY OF RHEUMATOID ARTHRITIS DRUG	Jeong-woo Seo
PS17.6	CONDUCTING POLYANILINE FILMS PREPARED IN COLLOIDAL DISPERSION MODE IN PRESENCE OF BIOACTIVE POLYSACCHARIDES	Martina Martínková
PS17.7	DEVELOPMENT OF AN ANTI-INFLAMMATORY BIO-INK LOADED WITH CURCUMIN NANOPARTICLES FOR TISSUE ENGINEERING APPLICATIONS	Fernanda Zamboni
PS17.8	ELASTIC POLYMERIC CAPSULES FOR OSMOSIS-DRIVEN VACCINE DELIVERY	Veronica Hidalgo-Alvarez
PS17.9	EXPLORING THE EFFECT OF VISCOSITY ON OSTEOGENIC DIFFERENTIATION OF MESENCHYMAL STEM CELLS WITH CONTROLLED CELL MORPHOLOGY	Jing Zheng
PS17.10	HYALURONIC ACID BASED NANOFIBROUS MATERIALS STABLE IN AQUEOUS ENVIRONMENT FOR INCORPORATION OF ACTIVE SUBSTANCES	Lenka Bardoňová
PS17.11	MAGNETIC IRON OXIDE NANOPARTICLES FOR THE DELIVERY OF THERMAL THERAPY FOR THE TREATMENT OF PRIMARY ALDOSTERONISM	Anna Sorushanova
PS17.12	OSTEOFORMATION POTENTIAL OF A NEW PYROPHOSPHATE-BASED GLASS IN CRITICAL-SIZE DEFECTS IN THE RAT CALVARIUM	Rebecca Landon
PS17.13	OSTEOGENIC POTENTIAL OF OVINE BONE MARROW-DERIVED MESENCHYMAL STEM CELLS STIMULATED WITH FGF-2 AND BMP-2 AND COMBINED WITH 3D-SCAFFOLD	Sandra Stannitz
PS17.14	PATTERNED HYDROGELS WITH SPATIALLY TUNABLE BIOPHYSICAL AND BIOCHEMICAL PROPERTIES TO GUIDE 3D STEM CELL RESPONSE AND OSTEOGENESIS	Claudia Garrido
PS17.15	PREPARATION OF FOLIC ACID-FUNCTIONALIZED GOLD NANOPARTICLES-GELATIN COMPOSITES SCAFFOLDS FOR ABLATING BREAST CANCER CELLS	Huajian Chen

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS17.16	SCAFFOLD-FREE INTERCONNECTED TOROIDAL TISSUE SHEETS FOR VARIOUS TISSUE ENGINEERING APPROACHES	Gokula Nathan Kasinathan
PS17.17	THE DIFFERENT EXPRESSION OF CYTOKERATIN 14 AND SONIC HEDGEHOG SIGNALING MOLECULE BY PORCINE HOLOCLONE-, MEROCLONE- AND PARACLONE- LIKE BUCCAL EPITHELIAL CELLS	Monika Buhl
PS17.18	THE EFFECT OF ZINC IONS IN POLYMER-CALCIUM PHOSPHATE COMPOSITE SCAFFOLDS ON OSTEOGENIC DIFFERENTIATION OF HMSCS	Martyna Nikody
PS17.19	USING MULTIPLE SURFACE TREATMENT PROCESS TO REGULATE THE OSTEOGENESIS AND OSTEOCLASTOGENESIS OF TITANIUM SURFACE	Yu-ying Cheng
PS19 BIOMIMETIC APPROACHES TO CARDIOVASCULAR REGENERATION: HOW AND WHY?		
PS19.1	CAN STRUCTURAL AND BIOACTIVITY GRADIENTS MITIGATE INTIMA HYPERPLASIA ON A SMALL DIAMETER TISSUE ENGINEERED VASCULAR GRAFT?	Marianna Barbuto
PS19.2	POLYESTERS BASED ON CITRIC ACID AND DIOLS WITH ANTIOXIDATIVE PROPERTIES AS VERSATILE MATERIALS FOR SOFT TISSUE ENGINEERING: STUDIES ON DEGRADATION AND CYTOCOMPATIBILITY	Elżbieta Pamula
PS19.3	PREPARATION OF AUTOLOGOUS CARDIOMYOBLAST SHEET BY A NOVEL CELL SHEET ENGINEERING AND APPLIED IT TO TREAT ISCHEMIC CARDIOMYOPATHY	Yuan Tseng
PS22 BRINGING TOGETHER STATE-OF-THE-ART QUANTITATIVE BIOLOGY AND MACHINE LEARNING-BASED MODELING FOR CONTROLLING AND PREDICTING CELL AND CELL POPULATION PHENOTYPE IN THE CONTEXT OF REGENERATIVE MEDICINE		
PS22.1	DATA INTEGRATION IMPORTANCE FOR ENABLING REGION-FREE IMAGE-BASED CELL QUALITY CONTROL	Kenjiro Tanaka
PS22.2	LABEL-FREE IMAGE-BASED CELLULAR RESPONSE EVALUATION TECHNOLOGY FOR SUSPENSION-TYPE CELLS	Takumi Hisada
PS25 CELLULAR SENESENCE IN TISSUE DAMAGE AND REGENERATION		
PS25.1	A NEW STRATEGY TO MODULATE CHONDROCYTE SENESENCE AND REDUCE OSTEOARTHRITIS PROGRESSION	Rebeca Martinez-Borrajo
PS25.2	C-MYC PATHWAY MODULATION IN CELL ACTIVATED BY PLATELET LYSATE STIMULATION	Marta Nardini
PS25.3	EFFECTS OF CELLULAR SENESENCE ON MECHANOSENSATION: IMPLICATIONS FOR TISSUE REGENERATION	Mina Sohrabi
PS25.4	HYPOXIA REVEALS A NEW FUNCTION OF FOXN1 IN THE KERATINOCYTE ANTIOXIDANT DEFENCE SYSTEM	Sylwia Machcińska
PS25.5	IMAGE-BASED EVALUATION OF PASSAGE-INDUCED SENESENCE IN HUMAN FIBROBLASTS	Kazue Kimura

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS25.6	LOSARTAN IS A POTENTIAL MODULATOR OF HYPOXIA AND ARTICULAR CHONDROCYTE HYPETROPHY	Mantas Malinauskas
PS25.7	STUDY OF DIFFERENT COMPONENTS FOR EFFICIENT CRYOPRESERVATION OF MESENCHYMAL STEM CELLS	Olena Deryabina
PS25.8	THE SPATIAL AND TEMPORAL RELATIONSHIP BETWEEN CELLULAR SENESENCE AND THE PROCESS OF SKIN HEALING	Karla Valdivieso
PS33 FROM BENCH-TO-BEDSIDE: TRANSLATING 3D PRINTING APPLICATIONS IN TISSUE ENGINEERING AND REGENERATIVE MEDICINE		
PS33.1	3D-PRINTED PCL-BASED GYNAECOLOGICAL MESHES: A NEW STRATEGY TO ENHANCE TISSUE-MESH INTEGRATION	Francesca Corduas
PS33.2	3D-PRINTED SHEAR PLATFORM FOR ENDOTHELIAL CELL MECHANOINDUCTION	Asli Aybike Dogan
PS33.3	A PRE-CLINICAL SHEEP MODEL FOR THE ASSESSMENT OF CRITICAL-SIZED BONE DEFECT RECONSTRUCTION	Flavia Medeiros Savi
PS33.4	ASSESSMENT OF SOFT TISSUE COMPONENTS IN A TISSUE ENGINEERED CONSTRUCT: A CRUCIAL STEP TO CLINICAL TRANSLATION	Jan Janzekovic
PS33.5	CONVERGENCE OF MACHINE VISION AND MELT ELECTROWRITING	Pawel Mieszczanek
PS33.6	MECHANICAL PROPERTIES AND PRINTABILITY OF ALGINATE-GELATIN HYDROGELS FOR PRECISE 3D BIOPRINTING	Anahita Ahmadi Soufivand
PS33.7	MELT ELECTROWRITING OF THIN MEMBRANES, CURVED, AND VARIABLE SECTION TUBULAR SCAFFOLDS	David Dean
PS33.8	PERFUSION DEVICE FOR 3D GASTROINTESTINAL SPHEROIDS	Hakan Gurbuz
PS33.9	RHEOLOGICAL CHARACTERIZATION AND COMPARISON OF PRINTING HYDROGEL-BASED COMPOSITE INKS FOR EXTRUSION-BASED 3D PRINTING	Anna Woźniak
PS33.10	SCAFFOLD GUIDED TISSUE ENGINEERING FOR THE TREATMENT OF ABDOMINAL WALL AND PELVIC ORGAN PROLAPSE - SHEEP MODEL	Flavia Medeiros Savi
PS49 NOVEL STRATEGIES TO ASSESS CELLULAR RESPONSE TO BIOMATERIALS		
PS49.1	A 3D TENDON BIOMIMETIC SCAFFOLD WITH POTENTIATED BIOLOGICAL PERFORMANCE ON AMNIOTIC EPITHELIAL STEM CELLS FOR TENDON TISSUE ENGINEERING APPLICATIONS	Mohammad El Khatib
PS49.2	A SURFACE TREATMENT OF NITINOL IMPLANTS REDUCES BLOOD ACTIVATION BY ALTERED PROTEIN ADSORPTION	Katharina Gegenschatz-Schmid
PS49.3	DEVELOPING A 3D IN VITRO MODEL OF RECTUS SHEATH HEALING TO TEST HERNIA MESHES.	Thomas Whitehead-Clarke

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS49.4	EXPLORING THE BIOMATERIAL-INDUCED SECRETOME: PHYSICAL BONE SUBSTITUTE CHARACTERISTICS INFLUENCE THE CYTOKINE EXPRESSION OF MACROPHAGES	Said Alkildani
PS49.5	EXTRACELLULAR PROTEIN IDENTIFICATION CYTOMETRY (EPIC) SINGLE CELL ANALYSIS	Marieke Meteling
PS49.6	GRAPHENE OXIDE NANOPLATFOMRS TO ENHANCE PT-BASED DRUG DELIVERY IN OSTEOSARCOMA ANTICANCER THERAPY	Bassi Giada
PS49.7	IN VITRO ASSESSMENT OF THE DEGRADATION INTERFACE OF PURE MG BY DIRECT OSTEOBLAST AND OSTEOCLAST MONOCULTURE AND COCULTURE	Diana Martinez
PS49.8	INVESTIGATION OF FOREIGN BODY RESPONSE AGAINST SUBCUTANEOUS DIABETES-REVERSING IMPLANTATION BY UTILIZING RAMAN MICROSCOPY	Lu Chuan-en
PS49.9	MAGNESIUM IMPLANT DEGRADATION FOR BONE TISSUE REGENERATION – CIRCULATING BIOMARKERS OF INFLAMMATION AND BONE REGENERATION IN A RODENT MODEL	Eduarda Mota da Silva
PS49.10	MECHANO-INDUCED CHONDROGENESIS OF HUMAN MSCS IN A BIOMATERIAL: A FACTORIAL DESIGN OF EXPERIMENT APPROACH	Yann Ladner
PS49.11	NEURONAL DIFFERENTIATION BY DYNAMIC PIEZOELECTRIC STIMULATION	Tiffany S Pinho
PS49.12	PARAMETERS DRIVING THE FIBROTIC ENCAPSULATION OF IMPLANTABLE HYALURONAN-BASED MATERIALS	Kristina Nešporová
PS49.13	PLATINUM CONJUGATED TO NOVEL GRAPHENE OXIDE NANOPLATFOMRS AS ANTICANCER THERAPY FOR GLIOBLASTOMA AND BREAST CANCER	Rossi Arianna
PS49.14	RNASEQ ANALYSIS REVEALS DIVERGENT MOLECULAR EVENTS THAT DIRECT HBMSCS TOWARD FIBROSIS OR BONE REGENERATION: IMPORTANCE OF INFLAMMATION REGULATION	Nathalie Chevallier
PS49.15	TAILORING GELAGE-BASED HYDROGELS TO SUPPORT LONG-TERM SURVIVAL AND FUNCTION OF PRIMARY HUMAN CELLS	Hatice Genç
PS49.16	SELECTED TECHNOLOGICAL AND BIOLOGICAL FACTORS DECIDING ABOUT SCAFFOLD FUNCTIONALITY	Dorota Kołbuk-Konieczny

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS64 UNDERSTANDING AND PREVENTING EARLY INFLAMMATORY EVENTS THAT LEAD TO DEVELOPMENT OF OSTEOARTHRITIS		
PS64.1	CELL BASED THERAPIES FOR OA TREATMENT: THE SECRET OF SUCCESSFUL CARTILAGE REGENERATION IS HIDDEN IN THE STEM CELLS' ORIGIN.	Valentina Bina
PS64.2	CELL MORPHOLOGY AS A BIOLOGICAL FINGERPRINT FOR DESCRIBING CHONDROCYTE PHENOTYPE UNDER ACUTE AND CHRONIC IL-1B MEDIATED INFLAMMATION IN HEALTHY AND OSTEOARTHRITIC CHONDROCYTES	Mischa Selig
PS64.3	EFFECTS OF LACTIC ACID ON SYNOVIAL FLUID	Nayanjyoti Kakati
PS68 HUMAN BRAIN ORGANIDS VERSUS ASSEMBLOIDS APPROACH FOR NEURODEVELOPMENTAL STUDIES		
PS68.1	IN VITRO 3D MODELING OF THE HUMAN DOPAMINERGIC SYSTEM	Daniel Reumann
PS68.2	LINKING ABNORMAL CA2+ SIGNALING AND THE UNFOLDED PROTEIN RESPONSE WITH HUNTINGTON'S DISEASE PATHOLOGY IN BOTH IPSC-DERIVED MSNS NEURONS AND STRIATAL ORGANIDS FROM HD PATIENTS	Ewelina Latoszek
PS68.3	THE EFFECT OF MITOCHONDRIAL BIOGENESIS INDUCTION THROUGH A7NACHR AGONIST ON THE CELL FATE AT THE EARLY DEVELOPMENTAL STAGE OF HUMAN CORTICAL ORGANOID	Erkan Metin

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
WEDNESDAY, 29TH JUNE 2022		
PS10 BIOFABRICATED TISSUES AND ORGANS FOR CLINICAL IMPACT		
PS10.1	A FUNCTIONAL BIODEGRADABLE POLYMER-BASED SEMI- ARTIFICIAL PANCREAS FOR THE TREATMENT OF TYPE:1 DIABETES	Jonathan Hinchliffe
PS10.2	A NEW GENERATION OF TISSUE-ENGINEERED VASCULAR GRAFTS: IMPLANTATION, CONSERVATION AND STERILIZATION.	Diane Potart
PS10.3	BIOINK WITH CARTILAGE-DERIVED EXTRACELLULAR MATRIX MICROFIBERS ENABLES SPATIAL CONTROL OF VASCULAR CAPILLARY FORMATION IN BIOPRINTED CONSTRUCTS	Margo Terpstra
PS10.4	DESIGN OF AN ADVANCED THERAPIES CLINICAL TRIAL FOR THE EVALUATION OF A NOVEL SUBSTITUTE OF THE PALATE MUCOSA IN CLEFT PALATE CHILDREN	Fernando Campos
PS10.5	USING OF PERFUSION BIOREACTOR FOR DYNAMIC CULTURE OF ADIPOSE DERIVED STROMAL CELLS ON TUBULAR SCAFFOLDS – AN IN VITRO STUDY	Tomasz Kloskowski
PS10.6	VASCULARIZED 3D IN VITRO SKIN MODEL	Smriti Singh
PS11 BIOFABRICATION USING EXTRINSIC FIELDS		
PS11.1	MAGNETICALLY-GUIDED CARTILAGINOUS MICROTISSUES ENABLE BIOFABRICATION OF IMPLANTS USING IRON OXIDE MAGNETIC NANOPARTICLES	Konstantinos Ioannidis
PS13 BIOFUNCTIONALIZED SURFACES FOR CELLULAR AND TISSUE ENGINEERING		
PS13.1	A COMPUTATIONAL MODEL FOR THE RELEASE OF BIOACTIVE MOLECULES FROM A FUNCTIONALIZED SCAFFOLD	Elisa Batoni
PS13.2	BIOMIMICKING POLYISOCYANIDE-HYDROGEL TO IMPROVE VAGINAL FIBROBLAST FUNCTION IN PELVIC FLOOR REPAIR	Aksel N. Gudde
PS13.3	DENTAL ABUTMENT SURFACES BIOFUNCTIONALIZED BY HYDROLYTICALLY STABLE CROSS-LINKED PROTEINS PROMOTE ENHANCED ADHESION, PROLIFERATION, AND MIGRATION OF GINGIVAL CELLS	Alena Lisa Palkowitz
PS13.4	ELECTROACTIVE SA/PCL HYDROGELS WITH CONDUCTIVE RGO NANOPARTICLES FOR MUSCLE TISSUE ENGINEERING	Jose Luis Aparicio Collado
PS13.5	ENGINEERED SURFACES FOR PARTICLE DELIVERY AND GENE SILENCING	Aaron Lee
PS13.6	FAST & VERSATILE BIOCOMPATIBLE COATINGS FOR STAINLESS STEEL	Paulina Trzaskowska
PS13.7	GELATIN IMMOBILIZATION ON ELECTROSPUN ALIPHATIC POLYESTER FIBERS FOR TISSUE ENGINEERING	Judyta Dulnik
PS13.8	GELLAN GUM-GELATIN HYDROGELS ENZYMATIALLY OR CHEMICALLY MODIFIED BY CONTACT WITH POLY(VINYL ALCOHOL) BLENDS FOR SACRIFICIAL 3D PRINTING IN BONE AND CARTILAGE REGENERATION	Krzysztof Pietryga

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS13.9	GUIDING HUMAN-MUSCLE DERIVED STEM CELL DIFFERENTIATION TOWARDS CHONDROCYTES BY HYDROGEL SCAFFOLDS RELEASING GROWTH FACTORS	Airina Mazetyte-Godiene
PS13.10	HEAT AND PRESSURE SOFT LITHOGRAPHY-ASSISTED MULTISCALE SCAFFOLDS FOR SOFT AND HARD TISSUE REGENERATION	Woochan Kim
PS13.11	IMMOBILIZATION OF THE ANTIMICROBIAL PEPTIDE MELIMINE ON MEDICAL-GRADE POLYCAPROLACTONE SCAFFOLDS FOR THE PREVENTION OF BIOMATERIAL-RELATED INFECTIONS	Silvia Cometta
PS13.12	MICRO-MUSCLE-WIRE FOR BIOACTUATOR	Soyoung Hong
PS13.13	PEOT/PBT ELECTROSPUN SCAFFOLDS TARGETING OSTEOPOROSIS	Clarissa Tomasina
PS13.14	SURFACE STIFFNESS DEPENDENT GINGIVAL MESENCHYMAL STEM CELL SENSITIVITY TO OXIDATIVE STRESS	Egidijus Šimoliūnas
PS13.15	TEMPERATURE EFFECT ON PHYSIOCHEMICAL AND BIOLOGICAL PROPERTIES OF CROSS-LINKED PNIPAM-GRAFTED-CHITOSAN/HEPARIN MULTILAYER	Yi-tung Lu
PS13.16	THE EFFECT OF VASCULAR PROSTHESES SURFACE MODIFICATION WITH REDV AND YIGSR PEPTIDES ON HEMO- AND BIOCOMPATIBILITY	Aleksandra Wojciechowska
PS13.17	ULTRATHIN COATINGS OF EXTRACELLULAR MATRIX-MIMETIC PEPTIDE HYDROGELS FOR CONTROLLED CELL ADHESION AND TISSUE FORMATION	Vytautas Cėpla
PS15 BIOLOGICALLY INSPIRED AND ENGINEERED DISEASE MODELS		
PS15.1	A NEW PRINTABLE ALGINATE / HYALURONIC ACID / GELATIN HYDROGEL SUITABLE FOR BIOFABRICATION OF IN VITRO AND IN VIVO METASTATIC MELANOMA MODELS (1)	Rafael Schmid
PS15.2	AN IN VITRO MODEL TO STUDY THE RECOVERY OF THERAPEUTICALLY ABLATED VASCULAR NETWORKS	Lisa Amanda Krattiger
PS15.3	BIO-WASTE NATURAL BIOACTIVE COMPOUNDS AS A POWER TOOL IN ANTICANCER THERAPIES	Anna Bajek
PS15.4	DEPOSITS AND NEURO-DEGENERATIVE DISEASE: A 3D BIOPRINTED IN VITRO MODEL FOR AGE-RELATED MACULA DEGENERATION	Eszter Emri
PS15.5	DEVELOPMENT OF AN IN VITRO SYNTHETIC POLYMER-BASED 3D CONTRACTION MODEL FOR FIBROSIS	Jyoti Kumari
PS15.6	ENGINEERING A 3D BONE MARROW ADIPOSE COMPOSITE TISSUE LOADING MODEL SUITABLE FOR STUDYING MECHANOBIOLOGICAL QUESTIONS	Nathalie Bock
PS15.7	EXTRACELLULAR MATRIX REMODELING UPON CYCLOPHILIN INHIBITOR TREATMENT IN PATIENT DERIVED MODELS OF LIVER FIBROSIS AND INJURY	Sara Campinoti
PS15.8	HIGH-EFFICIENCY MICROFLUIDICS-BASED MRNA REPROGRAMMING FACILITATES A LARGE COHORT OF PATIENT STUDIES	Wei Qin

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS20 BIOMIMETIC IN VITRO MODELS FOR BONE REGENERATION AND CANCER PATHOLOGIES		
PS20.1	BIOENGINEERING TUMOUR STROMA TO MIMIC BONE-TUMOUR INTERACTION	Deniz Bakkalci
PS20.2	DEVELOPMENT OF OSTEOSARCOMA 3D IN VITRO MODEL COMPRISING BONE-MIMICKING SCAFFOLDS AND A BIOMIMETIC BIOREACTOR	Ivana Banicevic
PS20.3	ENGINEERING OF STANDARDIZED HEMATOPOIETIC STEM CELL NICHES TO MODEL HUMAN HEMATOPOIESIS USING INDUCED PLURIPOTENT STEM CELLS	Evelia Plantier
PS24 CELL-RICH CONSTRUCTS FOR TISSUE ENGINEERING		
PS24.1	A MULTI-WELL BIOREACTOR FOR CARTILAGE TISSUE ENGINEERING	Yann Ladner
PS24.2	A NEW SPECIMEN ASSESSMENT TOOL FOR ENABLING TISSUE ENGINEERING PROGRESSION: SUCCESSFUL INTEGRATION OF PHASE-BASED X-RAY IMAGING IN AN OESOPHAGEAL IN-VITRO MATURATION PROTOCOL	Savvas Savvidis
PS24.3	ASSESSING JELLYFISH COLLAGEN HYDROGEL FOR SUPPORTING FOR HUMAN OSTEOBLASTS	Swastina Nath Varma
PS24.4	COAXIAL BIOPRINTING OF CELL-LADEN CORE FILAMENTS USING A HYALURONIC ACID-TYRAMINE BIOINK	Alma Banigo
PS24.5	DECORIN IMPROVES PANCREATIC B-CELL FUNCTION AND REGULATES ECM EXPRESSION IN VITRO	Abiramy Jeyagaran
PS24.6	DESIGN AND FABRICATION OF POROUS THREE-DIMENSIONAL SCAFFOLDS OBTAINED FROM FIBROIN SILK-ALGINATE-LAMININ FOR TESTICULAR ORGANOID PRODUCTION	Zahra Bashiri
PS24.7	DESIGN AND OPTIMISATION OF PERFUSION BIOREACTORS FOR LARGE-SCALE MANUFACTURE OF RED BLOOD CELLS	Chan Lee
PS24.8	DEVELOPMENT OF BIOADHESIVE MICROCAPSULES AS A NEW CELLULAR TREATMENT FOR THE DIFFUSE CARTILAGE LESIONS	Desiré Venegas Bustos
PS24.9	EFFICIENT HUMAN MUSCLE ENGINEERING RELIES ON THE CORRECT DECELLULARIZATION METHOD	Stefania D'Agostino
PS24.10	FABRICATION OF POLYSACCHARIDE BASED HYDROGEL VIA ENZYMATIC REACTION FOR CARTILAGE TISSUE ENGINEERING	Elham Badali
PS24.11	GELMA HYDROGELS: TOWARDS THE DEVELOPMENT OF AN IN VITRO 3D MODEL OF THE HUMAN ENDOMETRIUM	Emma Salisbury
PS24.12	GENERATION AND CHARACTERIZATION OF A BIOARTIFICIAL COMMON BILE DUCT	Mattia Pasqua
PS24.13	HYBRID ELECTROSPUN NANOFIBERS SCAFFOLD COMBINED WITH HUMAN DENTAL PULP STEM CELLS FOR TISSUE ENGINEERING	Aleksandra Klimczak

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS24.14	LESSONS LEARNED FROM ADIPOSE TISSUE ENGINEERING FOR APPLICATIONS IN BIOMEDICINE AND CULTURED MEAT	Petra Kluger
PS24.15	MOVING FROM 2D INTO 3D: BIOMIMETIC IMPLICATIONS OF MECHANOTRANSDUCER COMPLEX YAP/TAZ IN HUMAN NEURAL AND MESENCHYMAL STEM CELLS	Marzena Zychowicz
PS24.16	NEW RECELLULARIZED CORNEAL LIMBUS XENOGRAFTS	David Sánchez-Porras
PS24.17	PLATFORM TECHNOLOGY TO ENHANCE THE GROWTH OF HUMAN SKIN MODELS IN-VITRO, FOR USE IN BIOMEDICAL RESEARCH AND THE ASSESSMENT OF NEW MOLECULAR ENTITIES	Chantal Stenger
PS24.18	PROTEOMIC ANALYSIS OF A HUMAN LYOPHILIZED 3D SCAFFOLD FREE TISSUE ENGINEERED PRODUCT FOR BONE RECONSTRUCTION	Nicolas Theys
PS24.19	TISSUE-ENGINEERED MINI CORNEA EQUIVALENT FOR THE APPLICATION OF EYE IRRITATION TEST	Seon-hwa Kim
PS24.20	TISSUE-ENGINEERED NEURAL TISSUE INTERFACES FOR NEXT GENERATION BIONIC DEVICES	Martina Genta
PS27 COMBINED THERAPIES FOR SEVERELY INFECTED WOUNDS ACCOMPANIED WITH BOTH HEAVY SOFT AND HARD TISSUE LOSSES		
PS27.1	IN SILICO MODEL OF ANTIBIOTICS AND QUORUM INHIBITORS SUSTAINED RELEASE FROM THE MULTILAYER CORNEAL PATCH FOR THE MICROBIAL KERATITIS TREATMENT	Ewa Kijeńska-Gawrońska
PS28 EMERGING AND FUTURE TECHNOLOGIES FOR PERIPHERAL NERVE REGENERATION		
PS28.1	EX VIVO EVALUATION OF NEW DECELLULARIZED PERIPHERAL NERVE-DERIVED MATRIX FOR NEURAL TISSUE ENGINEERING APPLICATIONS	Óscar Darío García-García
PS28.2	IN VIVO HISTOLOGICAL AND HISTOMORPHOMETRICAL EVALUATION OF A NOVEL DECELLULARIZED PERIPHERAL NERVE ALLOGRAFT IN RATS	Óscar Darío García-García
PS28.3	SILK-SILK CONDUITS FILLED WITH NATIVE SPIDER SILK FIBERS SUCCESSFULLY PROMOTED NERVE REGENERATION IN A 10 MM SCIATIC NERVE DEFECT IN RATS	Flavia Millesi
PS31 EXTRACELLULAR VESICLES – NEXT GENERATION TOOL FOR DIAGNOSTICS AND REGENERATIVE MEDICINE		
PS31.1	CHARACTERIZATION OF EXTRACELLULAR VESICLES FROM PORCINE, CANINE, AND HUMAN NOTOCHORDAL CELL-CONDITIONED MEDIUM	Frances Bach
PS31.2	COMPARISON OF EXTRACELLULAR VESICLES PRESENT IN BONE, BLOOD, AND EXTRACELLULAR MATRIX	Madeline Cramer
PS31.3	DEVELOPING OF HUMAN IPS-DERIVED CARDIAC CELL LINE IN VITRO MODELS FOR STUDYING AN IMPACT OF EXTRACELLULAR VESICLES IN HEART REPAIR - PRELIMINARY REPORT	Monika Orpel

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS31.4	IMPACT OF MESENCHYMAL STEM CELLS DERIVED LAMININ-BINDING EXTRACELLULAR VESICLES ON SCHWANN CELLS AND IN PERIPHERAL NERVE REGENERATION PROCESSES	Mai Quyen Nguyen
PS31.5	IMPROVEMENT OF HUMAN KERATINOCYTE CELL CULTURE PROTOCOLS FOR USE IN ORAL MUCOSA TISSUE ENGINEERING	Fernando Campos
PS31.6	LIPOSOMAL VITAMIN C AS AN ATTRACTIVE ALTERNATIVE FOR ASCORBIC ACID SUPPLEMENTATION IN CELL CULTURE	Maciej Gawroński
PS32 EXTRACELLULAR VESICLES FOR SOFT TISSUE REPAIR		
PS32.1	ADIPOSE STEM CELL SECRETOME AS A POTENTIAL TREATMENT FOR URETHRAL FIBROSIS	Povilas Barasa
PS32.2	EXTRACELLULAR VESICLES DERIVED FROM AMNIOTIC FLUID MESENCHYMAL STEM CELLS SELECTED BY SKIN TISSUE TYPE MARKERS REDUCE INFLAMMATION	Jan Talts
PS32.3	INFLUENCE OF INTERLEUKIN -10 ON EFFECTS ELICITED BY HUMAN MSC TRANSPLANTATION IN MICE WITH EXPERIMENTAL INFLUENZA VIRUS - INDUCED PNEUMONIA	Ianina Pokholenko
PS32.4	MESENCHYMAL STROMAL CELLS-DERIVED EXTRACELLULAR VESICLES: FROM 2D TO 3D	Maria Elisabetta Federica Palama
PS32.5	THE BIOACTIVITY OF PLATELET-RICH FIBRIN CONDITIONED MEDIUM ON ZOLEDRONATE-INDUCED ORAL KERATINOCYTE TOXICITY IN VITRO	Krit Rattanawonsakul
PS37 HUMAN ORGANIDS FOR MUSCULOSKELETAL TISSUES		
PS37.1	ROLES OF NA ⁺ /H ⁺ (SODIUM HYDROGEN EXCHANGER [NHE1]) AND HCO ₃ ⁻ (ANION EXCHANGER [AE2]) ACROSS CHONDROCYTES PLASMA MEMBRANE DURING LONGITUDINAL BONE GROWTH	Adamu Abdul Abubakar
PS37.2	TOMOGRAPHIC VOLUMETRIC PHOTOFABRICATION OF LIVING IN VITRO BONE MODELS	Xiao-hua Qin
PS38 INJECTABLE BIOMATERIALS FOR CELL-INSTRUCTIVE MATRIX CUES		
PS38.1	SPATIOTEMPORALLY INSTRUCTING ENGINEERED LIVING MODULAR TISSUES VIA BIOCHEMICALLY AND BIOPHYSICALLY TUNABLE MICROBUILDING BLOCKS	Niels Willemen
PS41 MESENCHYMAL STEM / STROMAL CELLS - FROM BASIC RESEARCH THROUGH CLINICAL STUDIES TO REGISTERED PRODUCTS		
PS41.1	3D IN VIVO BONE MARROW ORGANIDS TO DISSECT MESENCHYMAL STROMAL CELLS CHAOS	Bianca Maria Carrara
PS41.2	CELL THERAPY FOR OSTHEOARTHRITIS: EFFECTS AND MECHANISMS OF ACTION	Susan Chubinskaya
PS41.3	CHARACTERISTICS OF MESENCHYMAL STEM CELLS ACTION ON EXPERIMENTAL INFLUENZA VIRUS-INDUCED PNEUMONIA	Ianina Pokholenko
PS41.4	COMPARISON OF CEREBROPROTECTIVE ACTION OF MESENCHYMAL STROMAL CELLS OF DIFFERENT ORIGIN AND LYSATE FROM HUMAN WHARTON JELLY MSC IN POST-PERFUSION LESIONS OF THE SENSORIMOTOR CORTEX OF RATS	Olena Deryabina

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS41.5	COMPARISON OF CULTURE REQUIREMENTS FOR CANINE AND HUMAN UMBILICAL CORD-DERIVED MESENCHYMAL STROMAL CELLS	Anna Burdzińska
PS41.6	DECIPHERING COLLAGEN-VII ROLE IN BREAST CANCER ASSOCIATED MESENCHYMAL STEM CELLS.	Sergio Perez-Diaz
PS41.7	EFFECTS OF THE TRANSPLANTATION OF MESENCHYMAL STEM CELLS ON THE PATHOMORPHOLOGICAL VARIABILITY IN THE COURSE OF EXPERIMENTAL INFLUENZA PNEUMONIA	Julia Dibrova
PS41.8	EXAMINING BIOLOGICAL PROPERTIES OF ADIPOSE TISSUE-DERIVED MESENCHYMAL STEM/ STROMAL CELLS OBTAINED FROM HEALTHY AND DIABETIC DONORS	Patrycja Cierniak
PS41.9	HUMAN MESENCHYMAL STROMAL CELLS ISOLATED FROM BONE MARROW AND FROM WHARTON'S JELLY DIFFER IN RESPONSE TO HYPOXIA MIMICKING SELECTIVE HIF PROLYL HYDROXYLASE 2 INHIBITOR	Anna Burdzińska
PS41.10	HUMAN URINE AS A PROMISING SOURCE OF MULTIPOTENT STEM CELLS	Lubos Danisovic
PS41.11	INDUCED PLURIPOTENT STEM CELL-DERIVED MESENCHYMAL STEM CELLS (IMSC) AS A POWERFUL CELL SOURCE FOR CELL-BASED THERAPIES	Marta Kot
PS41.12	INFLUENCE OF MACROMOLECULAR CROWDING ON EXTRACELLULAR MATRIX DEPOSITION AND MESENCHYMAL STEM CELLS	Elena De Lucia
PS41.13	MESENCHYMAL STEM CELLS TO PREVENT OR TREAT GRAFT VERSUS HOST DISEASE IN HEMATOPOIETIC CELL TRANSPLANTATION: A SYSTEMATIC REVIEW	Martha Arango
PS41.14	MESENCHYMAL STROMAL CELLS DERIVED SECRETOME PROTECTS BRAIN TISSUE FROM TRAUMA: EVIDENCE FROM A NEWLY DEVELOPED IN VITRO MODEL	Helena Cavaleiro
PS41.15	OXIDATIVE STRESS RESPONSE IN ADIPOSE-DERIVED MESENCHYMAL STEM/STROMAL CELLS	Tawakalitu Okikiola Waheed
PS41.16	PRODUCTION OF BIOACTIVE AGENTS UNDER VARIOUS CULTURE CONDITIONS TO ADJUST THE COMPOSITION OF THE FACTORS IN A CONDITIONED MEDIUM FOR REGENERATIVE MEDICINE	Honorata Kraskiewicz
PS41.17	THE EFFECT OF INTERFERON- γ AND INTERFERON- α PRE-CONDITIONED MESENCHYMAL STEM CELLS TRANSPLANTATION ON INFLUENZA VIRUS INFECTION ON MURINE MODEL	Julia Dibrova
PS41.18	THE IMPACT OF GRAPHENE-BASED SUBSTRATES ON BIOLOGICAL AND FUNCTIONAL PROPERTIES OF HUMAN MESENCHYMAL STEM CELLS - SIGNIFICANCE FOR CARDIOVASCULAR REPAIR	Sylwia Noga
PS41.19	THE INFLUENCE OF HUMAN MESENCHYMAL STEM CELLS (HMSC) SECRETOME ON EPILEPTIC MICE-DERIVED ORGANOTYPIC HIPPOCAMPAL CULTURES (OHC)	Martyna Strzelec
PS41.20	VOLUMETRIC MASS DENSITY OF MESENCHYMAL STEM CELLS - A NEW METHOD FOR THE DETERMINATION OF AN ESSENTIAL PARAMETER	Juliane Meyer

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS43 MULTIFUNCTIONAL BIOMATERIALS SUPPORTING BONE REGENERATION		
PS43.1	CERIUM, ZIRCONIUM AND COPPER DOPED ZINC OXIDE NANOPARTICLES FOR BONE REGENERATION AND ANGIOGENESIS	Hafsah Akhtar
PS43.2	ELECTROSPUN HYBRID SCAFFOLDS TOWARDS ENHANCED BONE TISSUE REGENERATION	Joanna Karbowniczek
PS43.3	EVALUATION OF THE BIOLOGICAL RESPONSE OF ZRO2 FUNCTIONALIZED MAGNESIUM ALLOYS	Daniela Morquecho Marín
PS43.4	EXTRACELLULAR MATRIX SYNTHESIZED BY DENTAL PULP STEM CELLS – MULTIFUNCTIONAL TOOL FOR BONE REGENERATION	Milda Alksne
PS43.5	MAGNESIUM ALLOYS WITH LPSO STRUCTURES AS PROMISING MATERIAL FOR MUSCULOSKELETAL IMPLANTS – CORROSION RESISTANCE EVALUATION	Daria Pałgan
PS43.6	MAGNETIC 3D-BIOPRINTED COMPOSITE SCAFFOLDS BASED ON BIOPOLYMERS, HYDROXYAPATITE AND SPIONS FOR BONE TISSUE REGENERATION	Isabella Cobzariu
PS43.7	MESENCHYMAL STEM CELL DIFFUSION INTEGRATED MECHANO-BIOLOGY ANALYSIS OF 3D SCAFFOLDS	Ata Alipour Ghassabi
PS43.8	MULTIFUNCTIONAL COMPOSITE COATINGS SUPPORTING BONE REGENERATION	Dagmara Słota
PS43.9	RECREATING BONE EXTRACELLULAR MATRIX WITH PEG HYDROGELS FUNCTIONALIZED WITH BIOMIMETIC MULTIFUNCTIONAL PEPTIDES	Lluís Oliver-Cervelló
PS43.10	SCAFFOLDS BASED ON TRICALCIUM PHOSPHATE AND BACTERIA-DERIVED POLYHYDROXYOCTANOATE – CYTOCOMPATIBILITY STUDIES	Ewelina Cichoń
PS43.11	SELECTION OF SUITABLE CONDITIONS FOR STABILIZATION OF POROUS CHITOSAN STRUCTURES WITH THE USE OF VANILLIN FOR REGENERATIVE MEDICINE APPLICATIONS	Anna Woźniak
PS43.12	PHYSICOCHEMICAL AND BIOLOGICAL ANALYSIS OF SYNTHETIC HYDROXYAPATITE OBTAINED VIA A WET PRECIPITATION TECHNIQUE	Magdalena Głąb
PS43.13	HYBRID ALGINATE-GELATIN SCAFFOLDS WITH ADDITIONAL 3D PRINTED POLYCAPROLACTONE REINFORCEMENT	Karolina Rosińska
PS43.14	NANOPARTICLE SIZE EFFECT IN THE PROPERTIES OF NANO-BIOMATERIALS FOR BONE TISSUE REGENERATION	Urszula Szalaj

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS47 NEW INSIGHTS UNDERLYING MESENCHYMAL STEM CELL-MEDIATED BONE REGENERATION		
PS47.1	A NOVEL BIOMIMETIC KNEE JOINT BIOREACTOR FOR THE IN VITRO REGENERATION OF OSTEOCHONDRAL LESIONS	Noelia Campillo
PS47.2	AMINO ACID SUPPLEMENTATION ENHANCES HBMSCS OSTEOGENIC CAPACITIES	Martijn van Griensven
PS47.3	DIFFERENCES IN PERIODONTAL LIGAMENT STEM CELLS FROM MAXILLA AND MANDIBLE	Hanna Malyaran
PS47.4	FUNCTIONAL CHARACTERIZATION OF HUMAN BONE MARROW STROMAL CELLS IN VIVO WITH INCREASED THROUGHPUT	Adam Aleksander Korczak
PS47.5	LIQUIFIED MICROCAPSULES: A VERSATILE PLATFORM TO APPLY HIGH HYDROSTATIC PRESSURE TO HUMAN ADIPOSE-DERIVED MESENCHYMAL STEM CELLS FOR OSTEOGENIC DIFFERENTIATION	Maryam Ghasemzadeh-Hasankolaei
PS48 NEXT GENERATION BIOMATERIALS OF STEM CELL CULTURE AND DIFFERENTIATION FOR STEM CELL THERAPY		
PS48.1	ENGINEERING BIOMIMETIC HYDROGEL SCAFFOLDS FOR TISSUE REGENERATION	Kamol Dey
PS48.2	GRAPHENE OXIDE AS A CHONDROINDUCTIVE BIOMATERIAL FOR ARTICULAR CARTILAGE REGENERATION	Leona Ogene
PS48.3	IDENTIFICATION OF HUMAN UMBILICAL CORD MESENCHYMAL STEM CELLS POTENTIALLY USEFUL FOR THE GENERATION OF BIOARTIFICIAL TISSUES BY TISSUE ENGINEERING	Miguel Angel Martín-Piedra
PS48.4	OPTIMIZATION OF CELL CULTURE PROTOCOLS USING 3D PLATFORMS FOR USE IN ORAL MUCOSA AND CORNEA TISSUE ENGINEERING	Miguel Angel Martín Piedra
PS48.5	OSTEOGENIC DIFFERENTIATED ADIPOSE-DERIVED STEM CELLS CREATE AN IN VITRO BONE MODEL INSIDE MICROFLUIDIC PLATFORMS	Pilar Alamán-Díez
PS48.6	SYNERGISTIC MECHANICS OF COMPOSITE BIOMATERIALS AFFECTS EARLY CELL RESPONSE AND CHONDROGENESIS OF MSCS	Michele Fenu
PS48.7	THE VOLATILE COMPOSITION OF HUMAN PLURIPOTENT STEM CELLS USING SELECTED ION FLOW TUBE MASS SPECTROMETRY	Sara Barreto
PS56 SKIN WOUND HEALING IN 2022: WHERE BASIC SCIENCE MEETS CLINICAL NEEDS		
PS56.1	ACTIVE LAYERS DEVELOPMENT OF MULTI-COMPONENT FILMS AS A PLATFORM TECHNOLOGY FOR APPLICATIONS IN WOUND HEALING AND SURGERY.	Reema Anouz
PS56.2	ASSESSING THE IMPACT OF COMMON ANTISEPTICS FOR CLINICAL USE IN SKIN CELL LINES AND BIOENGINEERED AUTOLOGOUS SKIN SUBSTITUTES: AN IN VITRO STUDY	Álvaro Sierra Sánchez
PS56.3	DERMAL RECONSTITUTION VIA POLYVINYL ALCOHOL/COLLAGEN FIBROUS MAT LOADED WITH EPIGALLOCATECHIN 3-GALLATE /CHITOSAN NANOPARTICLE	Elham Badali

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS56.4	DESIGN OF A COMPOSITE WOUND DRESSING: COMBINING ELECTROSPUN GELATIN FLEECES AND FREE-STANDING LBL FILMS	Adrian Hautmann
PS56.5	ELECTROSPUN ORAL PATCHES FOR PAIN RELIEF OF DRY SOCKET	Klaudia Slowik
PS56.6	EVALUATION OF MASLINIC ACID AS A NOVEL PROMISING MOLECULE ABLE TO ENHANCE THE BIOFABRICATION PROTOCOLS OF TISSUE-ENGINEERED SKIN SUBSTITUTES	Jesús Chato-Astrain
PS56.7	INVESTIGATING THE EFFECT OF BLOOD-IMPLANT INTERACTIONS ON THE RESPONSE OF SOFT TISSUE CELLS TO TITANIUM IMPLANTS	William Arthur Lackington
PS56.8	PIG ADIPOSE-DERIVED STEM CELLS (PASCs) PRE-CONDITIONED WITH HYPOXIA. MULTILEVEL CHARACTERIZATION AND VALIDATION FOR WOUND HEALING THERAPY	Joanna Wiśniewska
PS56.9	PROMOTION OF WOUND HEALING THROUGH CAZN-RELEASING NANOPARTICLES; IN VITRO STUDIES	Celia Ximenes-Carballo
PS56.10	PULSED ELECTRIC FIELDS AS PROMISING TOOL FOR TREATING SKIN FIBROSIS	Laure Gibot
PS56.11	THE ANTISEPTIC AND BIOCOMPATIBILITY PROPERTIES OF HYALURONAN CHLORAMIDE IN WOUND HEALING	Vojtěch Pavlík
PS56.12	THE DEVELOPMENT OF GELATIN-BASED MICRONEEDLES PATCH WITH GALLIC ACID FOR THE PREVENTION OF KELOID SCARS	Shwu-jen Chang
PS56.13	UNDERSTANDING THE MECHANISMS OF ACTION OF COLLAGEN-BASED DRESSINGS TO PROMOTE HEALING	Davide Verdolino
PS56.14	WOUND DRESSING BASED ON NANOFIBERS FROM HYALURONIC ACID AND HYALURONIC ACID DERIVATIVE	Štěpán Vondrovic
PS56.15	WOUND HEALING EFFECTS OF AN ACELLULAR SKIN SUBSTITUTE IN THIRD DEGREE BURNS	Manuella Godoi
PS62 TISSUE REGENERATION BY INTEGRATION OF BIOINSPIRED MATERIALS		
PS62.1	4D BIOFABRICATION OF FIBROUS SELF-FOLDING MATERIALS	Indra Apsite-Vinzio
PS62.2	ACCELERATION OF OSTEOCHONDRAL REPAIR WITH A GROWTH FACTOR LOADED COLLAGEN/MAGNESIUM-HYDROXYAPATITE SCAFFOLD	Jietao Xu
PS62.3	ADDITIVE MANUFACTURING AND ELECTROSPINNING AS A DUAL FABRICATION STRATEGY FOR BIOMIMETIC DRUG-ELUTING BIORESORBABLE STENTS	Victor Chausse
PS62.4	ANTIBACTERIAL RIFAMPICIN-LOADED ELECTROSPUN POLYCAPROLACTONE MEMBRANES FOR URETERAL REGENERATION	Luigi Musciacchio
PS62.5	CONTROLLING CELL RESPONSES WITH SURFACE POTENTIAL ON ELECTROSPUN POLY(L-LACTIDE) (PLLA) SCAFFOLDS PRODUCED WITH POSITIVE AND NEGATIVE VOLTAGE POLARITY	Martyna Polak

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS62.6	DEVELOPMENT OF BIOMIMETIC TYMPANIC MEMBRANE SUBSTITUTES FOR THE TREATMENT OF CHRONIC PERFORATIONS	Ainhua Irastorza
PS62.7	EXPLORING THE STRUCTURAL, MORPHOLOGICAL, AND CHEMICAL PROPERTIES OF SPIDER SILK CRUCIAL FOR ITS SUCCESS IN NERVE REGENERATION	Sarah Stadlmayr
PS62.8	FABRICATION OF POLY(HEMA-CO-MMA) POROUS SCAFFOLD WITH HIGHLY BIOCOMPATIBILITY FOR SOFT TISSUE REGENERATION	Byeong Kook Kim
PS62.9	FABRICATION OF POLY(HEMA-CO-MMA) SCAFFOLD HAVING SURFACE ROUGHNESS AND MODULUS FOR SOFT-TISSUE ENGINEERING	Ja-rok Kim
PS62.10	HEALING-TRIGGERING BIOMATERIALS FOR FETAL MEMBRANE REPAIR	Eva Avilla-Royo
PS62.11	MCSS SUPPORT A LAMELLA-LIKE TWISTING ORIENTATION OF COLLAGEN WHEN CULTURED ON ALIGNED ELECTROSPUN POLYCAPROLACTONE FIBRES	Gwendolen C Reilly
PS62.12	NANOCOMPOSITE POLYMERIC THIN FILMS FOR BOOSTING SKELETAL MUSCLE CELL DIFFERENTIATION	Andrea Cafarelli
PS62.13	POLY(L-LACTIDE-CO-GLYCOLIDE) MEMBRANES SURFACE-MODIFIED WITH RGD-GRAFTED POLY(2-OXAZOLINE) FOR GUIDED TISSUE REGENERATION IN PERIODONTOLOGY	Elżbieta Pamuła
PS62.14	POSTPRODUCTION PROCESSING OF ELECTROSPUN POLYCAPROLACTONE FOR OESOPHAGEAL TISSUE ENGINEERING	Anna Johnston
PS62.15	PRETERM HUMAN AMNION COMPOSITION TO INSTRUCT BIOMATERIALS-BASED STRATEGIES FOR THE PREVENTION OF PRETERM BIRTH	Nicole Ochsenbein-Kölble
PS62.16	SUPERIOR MECHANICAL PROPERTIES OF CELL-LADEN MICROFIBER VIA INCORPORATION OF SILK IN HYALURONIC ACID BASED HYDROGEL	Mehdi Khanmohammadi
PS62.17	TOWARDS ADIPOSE TISSUE ENGINEERING USING PHOTO-CROSSLINKABLE GELATIN-BASED BIO-INKS	Lana Van Damme
PS62.18	TUNABLE DEGRADATION AND SELF-POWERED STIMULATION OF PIEZOELECTRIC SCAFFOLD TO MODULATE CHONDROCYTES DIFFERENTIATION FOR CARTILAGE REPAIR	San-yuan Chen
PS62.19	DEGRADATION PERFORMANCE OF A NEW MECHANICALLY REINFORCED DEGRADABLE PHEMA FOR TISSUE ENGINEERING APPLICATIONS: FROM IN VITRO TO IN VIVO	Duarte Moura

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
THURSDAY, 30TH JUNE 2022		
PS05 ADDITIVE MANUFACTURING IN TISSUE REPAIR: CURRENT STATUS AND OBSTACLES TOWARD A DAILY CLINICAL PRACTICE		
PS05.1	DESIGN, MODELLING & BIOFABRICATION OF INTERFACE-FREE OSTEOCHONDRAL DEFECT REPAIR	Cristina Ferro Barbosa
PS05.2	THREE-DIMENSIONAL CANCER MODEL IN THE LAB: A TOOL TO ADVANCE DETECTION AND THERAPY OF HIGH-GRADE BRAIN CANCER	Mahsa Vaezzadeh
PS05.3	VERSATILE MULTI-CROSSLINKING PHENOL MODIFIED ALGINATE AS (BIO)INK PLATFORM FOR BIOPRINTING	Francesca Perin
PS14 BIOLOGICAL TESTING OF 3D-PRINTED BIOMATERIALS – TOWARDS UPDATED NORMS		
PS14.1	ADDITIVE MANUFACTURING OF OSTEOINDUCTIVE SCAFFOLDS USING CALCIUM PHOSPHATE: EXTRUSION-BASED PRINTING AND DIGITAL LIGHT PROCESSING TECHNOLOGIES	Julie Kühl
PS14.2	CELL GROWTH MECHANICS IN GELATIN/ALGINATE BASED HYDROGELS	Łukasz Kaźmierski
PS14.3	THE POTENTIAL OF MULBERRY AND NON-MULBERRY SILK FIBROIN BLENDS AS BIOINKS FOR MENISCUS REGENERATION BY 3D-BIOPRINTING	Vivek Jeyakumar
PS21 BIOPHYSICAL THERAPIES - EXTERNAL ENERGY TO PUSH INTERNAL REGENERATION		
PS21.1	TOWARDS NON-INVASIVE DEEP BRAIN STIMULATION THERAPIES FOR NEURODEGENERATIVE DISORDERS	Sofia Peressotti
PS29 ENGINEERED VISCOELASTICITY IN CELL AND TISSUE ENGINEERING		
PS29.1	A COMPARISON BETWEEN THE LUBRICATION AND MUCOADHESION PROPERTIES OF HYALURONAN AND AMPHIPHILIC HA FOR OPHTHALMICS	Gloria Huerta-Angeles
PS29.2	ENGINEERING AND DESIGN OF BIOMIMETIC VISCOELASTIC HYDROGELS	Arti Ahluwalia
PS34 ADVANCED THERAPY APPROACHES IN TISSUE ENGINEERING		
PS34.1	INNERVATION IN BONE TISSUE HEALED WITH CHEMICALLY MODIFIED RNA	Claire Polain
PS34.2	NON-VIRAL GENE THERAPY FOR RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSA: HYPER BRANCHED AMINATED POLYESTERS MEDIATED MINICIRCLE DNA DELIVERY	Xianqing Wang

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS35 GIVING MEANING TO EARLY TISSUE DAMAGE RESPONSES IN REGENERATION		
PS35.1	HARNESSING THE ADVANTAGES OF EX VIVO MATERIALS TO EXPLORE IMMEDIATE WOUNDING RESPONSES OF THE SKIN	Nadja Anneliese Ruth Ring
PS35.2	UTILIZING MICROBE-DERIVED AGENTS TO MODULATE INFLAMMATION AND SKEW OSTEOGENESIS IN CERAMIC-BASED BONE SUBSTITUTES	Nada Ristya Rahmani
PS36 GLYCOMODULATION APPROACHES IN TISSUE ENGINEERING		
PS36.1	INFLAMMATION-INDUCED CHANGES IN THE GLYCOSYLATION AND METABOLISM OF HUMAN CORNEAL FIBROBLAST ARE AMELIORATED BY A CHEMICAL INHIBITOR OF FUCOSYLATION	Jack Schofield
PS39 INJECTABLE COMPOSITE HYDROGELS AS SCAFFOLDS AND DRUG DELIVERY SYSTEMS FOR TISSUE ENGINEERING		
PS39.1	3D PRINTED STEP-GRADIENT COMPOSITE HYDROGELS FOR DIRECTED MIGRATION AND OSTEOGENIC DIFFERENTIATION OF HUMAN BONE MARROW-DERIVED MESC/NCHMAL STEM CELLS	Nermin Seda Kehr
PS39.2	A STUDY ON HBM-MSCS CHONDROGENIC COMMITMENT BY 3D COLLAGEN SCAFFOLD LOADED WITH PLGA NANO-CARRIERS FOR TGF-B1 CONTROLLED RELEASE	Erwin Lamparelli
PS39.3	CLICK CHEMISTRY COMPLEX DRUG DELIVERY SYSTEM USING TISSUE EXTRACELLULAR MATRIX FOR THE ANTI-TUMOR THERAPY	Sung-han Jo
PS39.4	COMBINED BORON COMPOUND AND FIBRONECTIN SYSTEM AS A POTENTIAL APPROACH TO THE TREATMENT OF DUCHENNE MUSCULAR DYSTROPHY.	Rodríguez Romano Ana
PS39.5	DEVELOPMENT OF AN INJECTABLE THERMOSENSITIVE HYDROGEL BASED ON CHITOSAN TO DELIVER FUCOIDAN AND ADULT STEM CELLS FOR BONE REPAIR	Sabine Fuchs
PS39.6	DEVELOPMENT OF DECELLULARIZED BONE EXTRACELLULAR MATRIX HYDROGELS FOR REGENERATION OF BONE TISSUE	Joanna Idaszek
PS39.7	EXTRACELLULAR VESICLES CONTROLLED DELIVERY FROM GELLAN GUM-BASED HYDROGEL IN REGENERATIVE MEDICINE	Arianna Rossi
PS39.8	MATERIAL-ASSISTED BIOENGINEERING STRATEGIES FOR OSTEOCHONDRAL DEFECT REPAIR	Constance Lesage
PS39.9	OXYGEN RELEASING CALCIUM PEROXIDE LOADED GELMA HYDROGEL BASED MICRONEEDLE ARRAY FOR CHRONIC WOUND HEALING	Abdulla Al Mamun
PS39.10	POLYLACTIC ACID-POLYCAPROLACTONE COPOLYMER NANOFIBERS FOR ANTIFIBROTIC DRUG DELIVERY	Daiva Baltrikienė
PS39.11	SELF-HEALING HYDROGEL WITH MICELLAR ARCHITECTURE FOR NEURAL REPAIR	Shih-ho Lin
PS39.12	THE BIOPACER- A BIOLOGICAL SOLUTION FOR THE RESTORATION OF HEART RATE IN PEDIATRIC PATIENTS	Stavroula Kyriakou

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS40 INJECTABLE SCAFFOLDS IN TISSUE ENGINEERING		
PS40.1	3D PRINTED SCAFFOLDS WITH NON-ANTIBIOTIC ANTIMICROBIAL-DOPED HYDROXYAPATITE FOR INHIBITING S. AUREUS GROWTH IN VITRO AND SUPPORTING BONE REGENERATION IN VIVO	Fergal O'Brien
PS40.2	CELL ENCAPSULATION IN PHOTOCROSSLINKED ALGINATES: MECHANICAL CHARACTERIZATION AND CELL VIABILITY STUDY	Catherine Le Visage
PS40.3	ELASTIN-LIKE POLYPEPTIDE-BASED BIOINK FOR HUMAN SKIN DERMAL COMPARTMENT RECONSTRUCTION	Sacha Salameh
PS40.4	HISTOLOGICAL REVIEW OF MICROSPHERE SCAFFOLD IMPLANTS FOR ARTICULAR CARTILAGE REGENERATION IN A PORCINE MODEL	María Sancho-Tello
PS40.5	IN-SITU GELLING HYDROGELS BASED ON OXIDIZED POLYSACCHARIDES AND GELATIN FOR TISSUE REGENERATION	Christian Willems
PS40.6	PHOTOCROSSLINKED HYALURONIC ACID-BASED HYDROGEL COMBINED WITH PRP FOR ARTHROSCOPIC CARTILAGE REPAIR	Ivana Štigalková
PS40.7	SMALL COMPOUND RELEASE FROM INJECTABLE NANOFIBROUS MICROSCAFFOLDS	Daniel Rybak
PS40.8	TUNABLE HYBRID 3D PRINTING CRYOGELS - A PERSONALIZED VEHICLE TOWARDS BONE REGENERATION	Luís Monteiro
PS42 MICROPHYSIOLOGICAL MODELS AS POWERFUL PRECLINICAL TOOLS		
PS42.1	3D NEUROVASCULAR CO-CULTURE IN A MICROFLUIDIC INVASION CHEMOTAXIS CHIP	Emel Sokullu
PS42.2	A UNIQUE MULTI-ORGAN IN VITRO MODEL FOR PERFORMING MORE PREDICTIVE PRECLINICAL TOXO-EFFICACY ASSAYS	Arianna Fedi
PS42.3	BLADDER CANCER CELLS INFLUENCE HUMAN ADIPOSE-DERIVED STEM CELLS CHARACTERISTICS IN VITRO	Malgorzata Maj
PS42.4	FORMATION AND LONG-TERM CULTIVATION OF RETINAL ORGANIDS IN MICROFLUIDIC SYSTEMS	Vincent Jongen
PS42.5	MICRO-CONTACT PRINTING APPLICATIONS TO TEST CARDIAC TOXICITY ON HIPSC- CARDIOVASCULAR CELLS	Maria Del Pilar Montero-Calle

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS45 NATURE BIOINSPIRED BIOMATERIALS AND STRATEGIES FOR TERM		
PS45.1	A NEW GELLAN GUM/LIGNIN BIOINK: A PROMISING ROUTE FOR CARTILAGE REPAIR	Elvira De Giglio
PS45.2	BIOINSPIRED NERVE GUIDANCE CONDUITS FOR OPTIMAL NERVE REGENERATION USING POLYHYDROXYALKANOATES	Emmanuel Asare
PS45.3	CELL PERFORMANCE ON GRADIENT MELT-ELECTROWRITTEN SCAFFOLDS	Pavan Kumar Reddy Gudeti
PS45.4	FUNCTIONALIZATION OF SURGICAL MESHES WITH BIOENGINEERED SPIDER SILK PROTEINS TO IMPAIR SURGICAL SITE INFECTIONS	Daniela Cruz-Moreira
PS45.5	GRAPHENE OXIDE TUNES THE RHEOLOGICAL PROPERTIES OF ECM-DERIVED HYDROGELS	Andreia Pereira
PS45.6	IMPROVED ALGINATE BIOINK BY ENRICHMENT WITH RECOMBINANT SPIDER SILK	Tali Tavor Re'em
PS45.7	PRELIMINARY RESULTS ON BIOLOGICALLY ACTIVE DOUBLE NETWORK HYDROGELS BASED ON N,O-CARBOXYMETHYL CHITOSAN AND POLY(VINYL ALCOHOL) FOR CARTILAGE DEFECTS REGENERATION	Patrycja Domalik-Pyzik
PS45.8	CARBON NON-WOVEN SCAFFOLDS COATED WITH AN IRON NANOLAYER USED IN MONITORING OF THE CARTILAGE REGENERATION PROCESS	Roksana Kurpanik
PS45.9	VALORIZATION OF LEVULINIC ACID PLATFORM THROUGH ELECTROSPINNING FIBROUS MEMBRANES FOR IN VITRO MODELLING OF BIOLOGICAL BARRIERS	Carmelo De Maria
PS46 NEW DEVELOPMENTS OF REGENERATIVE AND TISSUE MODELING PRODUCTS		
PS46.1	A NOVEL NEEDLE-FREE TECHNOLOGY WATERJET BY IMPROVED DELIVERY TO TRANSPORT MUSCLE-DERIVED CELLS TO THE URETHRAL SPHINCTER OF LIVING PIGS	Wilhelm K. Aicher
PS46.2	DEVELOPMENT OF AN 3D BIOPRINTED SKIN MODEL ALTERNATIVE WITHIOUT THE USE OF ANIMAL-DERIVED COMPONENTS	Diana Cervantes
PS46.3	FINITE-ELEMENT AIDED DESIGN OF SCAFFOLDS FOR BONE TISSUE ENGINEERING	Pasquale Posabella
PS46.4	HIGHLY CONCENTRATED COLLAGENS ALLOW 3D BIOPRINTING OF STABLE STRUCTURES WHILE ENABLING MOVEMENTS OF RENAL CELLS	Josefin Blell
PS46.5	HUMAN AIRWAY EPITHELIAL CELLS CULTURES FOR TISSUE ENGINEERING APPLICATIONS	Giulia Galaverni
PS46.6	NOVEL 3D-PRINTED CELL CULTURE INSERTS FOR ADVANCED IN VITRO SKIN REGENERATION	Magdalena Bauer
PS46.7	OBTAINING OF BIFUNCTIONAL FUSION PROTEINS BASED ON HUMAN INTERLEUKIN 7 AND THEIR APPLICATION FOR BIOMEDICAL RESEARCH	Oksana Gorbatiuk
PS46.8	TNFA AND SIRT1 MODULATION AFFECTS BIOENERGETICS AND CHONDROGENIC CAPACITY OF MESENCHYMAL STEM CELLS	Roberto Narcisi

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS51 PERSPECTIVES AND CHALLENGES IN BIOENGINEERING DYNAMIC HYDROGELS FOR REGENERATIVE MEDICINE		
PS51.1	DETERMINATION OF MATERIAL PROPERTIES IN SOFT AND DENSE COLLAGEN TYPE I GELS USING OSCILLATORY RHEOMETRY	Anuja Upadhyay
PS51.2	DEVELOPING LOW COST AND NON-ANIMAL DERIVED DYNAMIC HYDROGELS FOR TISSUE ENGINEERING	Angela M. Ramirez
PS51.3	HUMAN PBMC CONTRIBUTION ON MYOGENIC COMMITMENT OF HUMAN MESENCHYMAL STEM CELLS BY MYOBLAST 3D CO-CULTURE	Scala Pasqualina
PS51.4	SUPRAMOLECULAR MICROGELS AS TUNEABLE 3D CELLULAR MICROENVIRONMENT	Maritza Rovers
PS52 PERSPECTIVES FOR FUTURE INNOVATION IN TENDON REPAIR (P4 FIT)		
PS52.1	A COMPUTATIONAL MODEL TO OPTIMIZE COMPONENTS AND OPERATIONAL PARAMETERS OF A NOVEL FLEXIBLE MECHANICAL STIMULATION BIOREACTOR	Nicole Dvorak
PS52.2	CONNECTING SCIENCE AND SOCIETY THROUGH EDUCATION AND PUBLIC ENGAGEMENT – A CASE STUDY FROM AN IRISH MEDICAL DEVICE RESEARCH CENTRE	Brendan Dolan
PS52.3	FABRICATION OF ELECTROSPUN POLY(GLYCEROL SEBACATE) AND POLY(E-CAPROLACTONE) ALIGNED SCAFFOLDS: A COMPARISON BETWEEN THEIR MECHANICAL PERFORMANCE FOR TENDON TISSUE ENGINEERING APPLICATIONS	Francesco Iorio
PS52.4	IDENTIFICATION AND CHARACTERIZATION OF PORCINE-TENDON DERIVED STEM CELLS (TDSCS)	Marta Clerici
PS52.5	LPS ENHANCES THE IMMUNOMODULATORY PROPERTIES OF AMNIOTIC EPITHELIAL STEM CELLS CONDITIONED MEDIA	Adrián Cerveró-Varona
PS52.6	MICROFLUIDICS DEVELOPMENT OF POLYMERIC HYDROGEL MICROSPHERES FOR DRUG DELIVERY APPLICATIONS.	Rubén Pareja Tello
PS52.7	NATURAL-ORIGIN POLYMERIC SCAFFOLDS FOR TENDON ENGINEERING PRODUCED VIA DIFFERENT CROSSLINKING METHODS: MECHANICAL PERFORMANCE AND CHARACTERIZATION	Florencia Diaz
PS52.8	OVINE ADIPOSE DERIVED STEM CELLS AS POTENTIAL STEM CELL SOURCE FOR TENDON REPAIR	Arlette A. Haidar-Montes
PS52.9	POLYMERIC-BASED NANOPARTICLES FOR TENDON INFLAMMATION TREATMENT	Giuseppina Molinaro
PS52.10	STRUCTURAL AND IMMUNOLOGICAL CHANGES DURING SPONTANEOUS HEALING IN ACHILLES TENDONS MICE MODELS.	Melisa Faydaver
PS52.11	TENOGENIC DIFFERENTIATION INDUCED BY COOPERATIVE GROWTH FACTORS	Vera Citro
PS52.12	THE EFFECT OF BLENDING NATURAL POLYMERS WITH POLYCAPROLACTONE NANOFIBROUS SCAFFOLDS AND EVALUATION OF THEIR POTENTIAL FOR TENDON REGENERATION	Aldo Boccaccini

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS53 PROSPECTS AND CHALLENGES IN BIOLOGICAL THERAPIES FOR TENDON REGENERATION		
PS53.1	HYPOXIC AND INFLAMMATORY TRIGGERS IN THE DEVELOPMENT OF TENDON PATHOLOGIES: INSIGHTS ON TENOCYTE BEHAVIOR USING A MAGNETIC CELL SHEET MODEL	Manuela E. Gomes
PS53.2	INDUCTION OF THE SENESCENCE PHENOTYPE IN EQUINE TENDON DERIVED CELLS BY DEXAMETHASONE	Neda Heidari
PS53.3	INTERPLAY OF TGFB3- AND RHO/ROCK SIGNALING IN TENOGENIC DIFFERENTIATION	Michaela Melzer
PS53.4	REPARATIVE CAPACITY OF EX VIVO DEVELOPED SCAFFOLD-FREE 3D TISSUE EQUIVALENTS FOR TENDONS	Igor Ponomarev
PS53.5	TISSUE ENGINEERED TENDON NANO-CONSTRUCTS FOR REPAIR OF CHRONIC ROTATOR CUFF TEARS IN LARGE-ANIMAL MODELS	Yonghyun Gwon
PS55 REMODELING THE FUTURE: NEXT GENERATION OF ORGANOID MODELS FOR BIOMEDICINE		
PS55.1	GROWTH AND DIFFERENTIATION OF HUMAN INDUCED PLURIPOTENT STEM CELL (HIPSC)-DERIVED KIDNEY ORGANIDS USING FULLY SYNTHETIC PEPTIDE HYDROGELS	Niall Treacy
PS55.2	UTILITY OF GELATIN METHACRYLOYL (GELMA) HYDROGELS AS TUNEABLE BIOPHYSICAL SCAFFOLDS FOR THE DERIVATION OF HIPSC-DERIVED KIDNEY ORGANIDS	Shane Clerkin
PS57 SUPRAMOLECULAR SYNTHETIC SCAFFOLDS: FROM CONCEPT TO DESIGN AND APPLICATION		
PS57.1	DESIGNING DYNAMIC AND PHOTO-RESPONSIVE DOUBLE NETWORK HYDROGELS FOR TISSUE ENGINEERING	Ana Agustina Aldana
PS57.2	NEAR-INFRARED LIGHT-TRIGGERED CORE-SHELL UPCONVERSION NANOPARTICLES FOR THERANOTICS	Li-fang Wang
PS57.3	NEW STRATEGIES TO IMPROVE STABILITY OF GUANOSINE-BASED SUPRAMOLECULAR HYDROGELS FOR SOFT TISSUE REGENERATION	Maria Merino-Gómez
PS57.4	SELF-ASSEMBLING PEPTIDE GELS FOR ARTICULAR PATELLA CARTILAGE REPAIR	James Warren
PS57.5	SELF-ASSEMBLING PEPTIDE HYDROGELS FOR COLORECTAL ORGANOID CULTURE	Adedamola Olayanju
PS57.6	SYNTHESIS, FABRICATION, AND CHARACTERIZATION OF A BIO-INSPIRED, TISSUE-ADHESIVE CARDIAC PATCH FOR TISSUE ENGINEERING APPLICATIONS	Giovanni Carlo Miceli
PS57.7	TUNEABLE SYNTHETIC PEPTIDE HYDROGELS TO PROVIDE PHYSIOLOGICALLY AND CLINICALLY RELEVANT IN VITRO 3D CULTURES	Adedamola Olayanju

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS59 THE ROLE OF MULTIFUNCTIONAL NANOMATERIALS IN NEW TISSUE REGENERATION STRATEGIES		
PS59.1	DEVELOPMENT OF NANOSYSTEMS FOR DELIVERY OF PRO-REGENERATIVE PROTEIN TSG-6, WITH NEUROLOGICAL APPLICATIONS	Roxana Sava
PS59.2	NOVEL HYDROGEL-BASED BIOPOLYMERIC FILMS FOR LOCAL TMZ DELIVERY	Aleksandra Krajcer
PS59.3	PALLADIUM NANOPARTICLES IN HYDROGELS FOR CATALYTIC PRODRUG ACTIVATION AND CONTROLLED DRUG RELEASE	Aisling McGuigan
PS59.4	SMART-MATERIALS BASED DYNAMICALLY ACTIVATED MICROENVIRONMENTS FOR TISSUE ENGINEERING	Senentxu Lanceros-Mendez
PS59.5	IMMUNE COMPATIBILITY OF 2D BISMUTHENE NANOSHEETS FOR FUTURE COMBINED MAGNETIC HYPERTHERMIA AND PHOTOTHERMAL THERAPY	Linda Giro
PS60 TISSUE ENGINEERING AND REGENERATIVE MEDICINE IN CZECH REPUBLIC		
PS60.1	HYBRID ALGINATE-GELATIN SCAFFOLDS WITH ADDITIONAL 3D PRINTED POLYCAPROLACTONE REINFORCEMENT	Karolina Rosińska
PS61 TISSUE ENGINEERING IN MICROGRAVITY FOR HEALTH IN SPACE AND ON EARTH		
PS61.1	DO WOUNDS HEAL IN SPACE? - MATRIX REMODELING AND FIBROBLAST DIFFERENTIATION IN SIMULATED MICROGRAVITY	Jiranuwat Sapudom
PS61.2	SIMULATED MICROGRAVITY MODIFICATIONS IN MUSCULOSKELETAL CELLS	Alessio Campioli
PS63 TOWARDS AUTOMATED TECHNOLOGIES FOR ORGANOID-BASED TISSUE BIOMANUFACTURING		
PS63.1	AUTOMATED QUANTIFICATION OF ORAL MUCOSA STROMA COMPONENTS THOROUGH MACHINE LEARNING ON HISTOLOGICAL SAMPLES. A POTENTIAL TOOL IN TISSUE ENGINEERING	Jesús Chato-Astrain
PS63.2	MAPPING THE PROTEIN SECRETOME OF BONE FORMING CARTILAGE MICROTISSUES ACROSS DONORS	Isaak Decoene
PS63.3	AUTOMATED PLATFORM FOR HIGH THROUGHPUT, DEEP LEARNING-BASED SORTING OF SPHERICAL 3D CELL MODELS FOR LIVER TISSUE ENGINEERING	Claudia Sampaio da Silva
PS65 VASCULARIZATION FOR TISSUE ENGINEERING AND REGENERATIVE MEDICINE		
PS65.1	ADDITIVE MANUFACTURE OF VASCULARISED SCAFFOLD FOR BONE TISSUE ENGINEERING	Nur Rofiqoh Eviana Putri
PS65.2	BEHAVIOR OF DUAL-CROSSLINKED GELATIN AND ITS POTENTIAL INFLUENCE ON VASCULARIZATION	Anna Schmidbauer
PS65.3	BIONIC PANCREAS - THE FIRST RESULTS OF FUNCTIONALITY OF 3D-BIOPRINTED BIONIC TISSUE MODEL TRANSPLANTATION WITH PANCREATIC ISLETS	Marta Klak

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS65.4	BUILDING VASCULAR MUSCLE TISSUE FROM THE BOTTOM-UP	Mendy Minne
PS65.5	COMPARING THE THERAPEUTIC POTENTIAL BETWEEN AUTOLOGOUS BONE MARROW MONONUCLEAR CELLS AND ALLOGENIC UMBILICAL CORD DERIVED MESENCHYMAL STEM CELLS IN CRITICAL LIMB ISCHEMIA: A PILOT STUDY	Martha Arango
PS65.6	CONTROLLED METABOLITE RELEASE FOR TISSUE SURVIVAL AND INTEGRATION IN ANOXIA	Melvin Gurian
PS65.7	FREESTANDING COLLAGEN HOLLOW FILAMENTS - A TOOL FOR VASCULARISATION OF IN VITRO 3D TISSUE MODELS	Franziska Ullm
PS65.8	GELATIN-PVA MICROSPHERES FOR DUAL GROWTH FACTOR DELIVERY TO GUIDE VASCULARIZED BONE FORMATION	Maria Chatzinikolaidou
PS65.9	NOVEL WHEY PROTEIN ISOLATE-BASED HIGHLY POROUS SCAFFOLDS MODIFIED WITH CU- AND CO-DOPED BIOACTIVE GLASSES	Michal Dziadek
PS65.10	TISSUE ENGINEERING USING VASCULAR ORGANOID FROM HUMAN PLURIPOTENT STEM CELL DERIVED ENDOTHELIAL CELLS AND MURAL CELL PHENOTYPES	Maria Markou
PS65.11	TOWARDS BIONIC ORGANS: BIOCOMPATIBILITY OF NEWLY DEVELOPED PORCINE DECM-BASED HYDROGELS	Marta Klak
PS65.12	TUNABLE GELATIN-NORBONENE HYDROGELS AS PLATFORMS FOR MICROVESSEL FORMATION AND STABILIZATION	Marisa Assunção
PS65.13	UNITING SPHEROIDS, HYDROGELS AND HYPOXIA TO PUSH THE MATURATION OF 3D PRINTED VASCULARIZED TISSUES	Jasper Smet
PS65.14	VASCULARIZATION OF FULL-THICKNESS SKIN EQUIVALENTS	Barbara Bachmann
PS65.15	SIMPLE GENERATION OF PERFUSABLE MICROVASCULAR NETWORKS IN 3D TISSUE MODELS VIA SACRIFICIAL POLY(2-OXAZOLINE) SCAFFOLDS	Matthias Ryma

Poster list by session and date

BOARD #	POSTER ABSTRACT TITLE	PRESENTER
PS67 WE'VE GOT YOUR BACK: THE CHALLENGES AND SUCCESS OF ADVANCED REGENERATIVE TREATMENTS FOR INTERVERTEBRAL DISC REGENERATION		
PS67.1	3D BIOPRINTING WHOLE INTERVERTEBRAL DISCS TO INFORM REGENERATIVE THERAPIES	Matthew Kibble
PS67.2	ASSESSING THE CLINICAL RELEVANCE OF PRE-CLINICAL MODELS THROUGH INVESTIGATING THEIR NUTRIENT MICROENVIRONMENT AND REGENERATION CAPACITY	Emily Mc Donnell
PS67.3	BIOPRINTED INTERVERTEBRAL DISC: IN VITRO EVALUATION OF A COLLAGEN/HYALURONIC ACID BIOINK WITH OVINE DISC CELLS	Catherine Le Visage
PS67.4	CHARACTERIZATION OF MOLECULAR MECHANISMS REGULATING PLASTICITY OF HUMAN NASAL CHONDROCYTES TO IMPROVE TISSUE REGENERATION	Janhavi Apte
PS67.5	ENGINEERING A CELL-DERIVED EXTRACELLULAR MATRIX FOR INTERVERTEBRAL DISC REGENERATION	Catarina Milheiro
PS67.6	HYPEROSMOLAR EXPANSION MEDIUM IMPROVES CANINE NUCLEUS PULPOSUS CELL PHENOTYPE	Lisanne Laagland
PS67.7	SELF-ASSEMBLING PEPTIDE HYDROGELS FOR NUCLEUS AUGMENTATION OF THE INTERVERTEBRAL DISC	Matthew Culbert