

TUESDAY 7

8:00-9:30	REGISTRATION					
ROOM	ANDALUCIA III	PICASSO	MACHUCA	MACHADO	GARCÍA LORCA	ALBÉNIZ
SYMPOSIA AND SESSIONS	RELATING IN VIVO BIOCOMPATIBILITY WITH IN VIVO OUTCOME	TISSUE ENGINEERING IN UROLOGY	KOREAN-EUROPEAN SYMPOSIUM: STEM-CELL BASED TISSUE ENGINEERING	STEM CELL AND TISSUE ENGINEERING THERAPIES TO ACCOMPLISH REGENERATIVE DENTISTRY	COMPUTATIONAL MODELING IN TISSUE ENGINEERING	MANUFACTURING AND CHARACTERIZATION OF SCAFFOLDS, BASED ON POLYLACTIC ACID FIBRILS
9:30-9:45	(37.KP) BIOCOMPATIBILITY OF PLGA-BASED SCAFFOLDS FOR TEMPS IN TERMS OF SAFETY Khang G Chonbuk National University	(45.01) MATURATION AND DIFFERENTIATION OF BLADDER SMOOTH MUSCLE CELLS AND MYOBLASTS CULTURED ON NOVEL PLLA-COLLAGEN SCAFFOLDS Pu FR, Rhodes NP, Bayon Y, Hunt JA University of Liverpool	(24.KP1) STEM-CELL BASED TISSUE ENGINEERING Im GI Dongguk University Ilsan Hospital, Korea	(41.KP) PRECLINICAL TRIALS OF REGENERATIVE DENTAL PROCEDURES Murray PE, Garcia-Godoy F Nova Southeastern University College of Dental Medicine	(14.KP) MECHANO-BIOLOGY OF ENDOCHONDRAL OSSIFICATION – EMPLOYING COMPUTATIONAL MODELING TO GAIN UNDERSTANDING OF THE UNDERLYING MECHANO-REGULATION OF TISSUE REGENERATION Duda GN Charité - Universitätsmedizin Berlin, Germany	(25.KP) MANUFACTURING AND CHARACTERIZATION OF SCAFFOLDS, BASED ON POLYLACTIC ACID FIBRILS Simeonova SS, Evstatiev MG Sofia University, Bulgaria
9:45-10:00		(45.02) MINCED BLADDER MUCOSA FOR GENERATION OF A TUBULAR CONDUIT TO THE BLADDER Reinfeldt G, Fossum M Karolinska Institutet	(24.KP2) SELECTION OF VIABLE WHARTON'S JELLY STEM CELLS FOR CELL THERAPY Garzón I, Pérez-Köhler B, Buján J, Oliveira ACX, Carriel V, Campos A, Alaminos M University of Granada, Spain			
10:00-10:15	(37.01) EVALUATION OF THE IN VIVO INFLAMMATORY DYNAMICS OF BOTH IMPLANTABLE SYNTHETIC AND TISSUE-BASED BIOLOGIC MESHES FOR USE AS ABDOMINAL WALL REPAIR BIOMATERIALS IN A SUBCUTANEOUS IMPLANTATION MODEL Bryan N, Ashwin H, Bayon Y, Hunt J University of Liverpool	(45.03) ESTABLISHMENT OF A HUMAN IN VITRO MODEL OF THE RENAL PROXIMAL TUBULE Hoppensack A, Schanz J, Kazanecki C, Colter D, Walles H University of Stuttgart	(24.01) PRE-TREATMENT OF HUMAN MESENCHYMAL STROMAL CELLS FOR BONE TISSUE ENGINEERING RESULTS IN SECRETION OF TROPIC, BIOLOGICALLY ACTIVE, GROWTH FACTORS Doorn J, Van Blitterswijk CA, De Boer J University of Twente	(41.01) BIODEGRADABLE DOUBLE LAYER SCAFFOLD FOR PERIODONTAL ENGINEERING Requicha JF, Leonor IB, Viegas CA, Reis RL, Gomes ME University of Trás-os-Montes e Alto Douro, Vila Real, Portugal	(14.01) AN EXPERIMENTALLY VALIDATED CYTOKINE TRANSPORT/BINDING KINETICS MODEL FOR MODEL-BASED ESC BIOPROCESS DESIGN Yeo D, Torii R, Kiparissides A, Xu XY, Mantalaris A Imperial College London	(25.01) ALIGNED ELECTROSPUN POLY-L-LACTIDE FIBERS FOR TENDON REGENERATION: A PRELIMINARY IN VITRO STUDY Ruzzini L, Abbruzzese F, Giannitelli SM, Rainer A, Trombetta M, Denaro V Univ. Campus Bio-Medico of Rome, Italy
10:15-10:30	(37.02) EFFECT OF PLGA SCAFFOLD PENETRATED DEMINERALIZED BONE SOLUTION FOR CHONDROGENESIS: IN VIVO TEST Sim CR, Seo HS, Lee YM, Song JE, Lee D, Khang G Dept of BIN Fusion Tech	(45.04) TWO-LAYERED TISSUE-ENGINEERED URETHRA USING ORAL EPITHELIAL AND MUSCLE-DERIVED CELLS Mikami H, Kuwahara G, Nakamura N, Kondo M, Tanaka M, Yamato M, Kodama S Fukuoka University, Japan	(24.02) THE NEOVASCULARIZATION EFFECT OF BONE MARROW STROMAL CELLS IN TEMPORAL MUSCLE AFTER ENCEPHALOMYOSYNGIOSIS Lee IW, Lee HJ, Yang J, Yi JS Catholic University of Korea	(41.02) MANUFACTURING AND MANIPULATION OF NOVEL NEEDLE FOR HARVESTING OF BONE MARROW FROM ORAL CAVITY FOR JAW BONE REGENERATION Eltarawy A Tarawy Dental Center	(14.02) MATHEMATICAL MODELING OF CANCER SPHEROIDS IN BIOENGINEERED 3D MICROENVIRONMENTS AND TREATMENT WITH AN ANTI-CANCER DRUG Loessner D, Rizzi S, Byrne H, Flegg J, McElwain S, Clements JA, Huttmacher DW Queensland University of Technology, Brisbane, Australia	(25.02) OPTIMIZED FABRICATION OF THREE-DIMENSIONAL RESORBABLE NONWOVENS COMPOSED OF BIODEGRADABLE POLYGLYCOLIC OR POLYLACTIDE ACID FOR THE TISSUE ENGINEERING OF HEART VALVES Lueders C, Arshi A, Gries T, Hetzer R German Heart Institute Berlin
10:30-10:45	(29.01) ENZYME MODULATED CONTROLLED RELEASE OF OXYGEN FROM ENCAPSULATED HYDROGEN PEROXIDE FOR ENHANCED CELL SURVIVAL UNDER HYPOXIA Lim JG, Abdi SIH, Huh JS, Yoo JJ, Shon YH Kyungpook National University	(45.05) ELECTROSPUN SCAFFOLDS IN POLY(E-CAPROLACTONE) AND POLY(HYDROXYLACANOATE) AS SUPPORT FOR BLADDER AUGMENTATION CYSTOPLASTY: PRELIMINARY IN VIVO Vianello A, Zucchi A, Bianco A, Del Gaudio C, Bellezza G, Lolli C, Maulà V, Porena M University of Perugia, Italy	(24.03) EXPANSION OF ADIPOSE TISSUE-DERIVED MESENCHYMAL STEM CELLS MAINTAINING THEIR STEMNESS Park JK, Yoon HH, Kim SY Dongguk University, Seoul	(41.03) POTENTIAL OF PLASMA RICH IN GROWTH FACTORS (PRGF-ENDORET) FOR IN SITU REGENERATIVE MEDICINE Anitua E, Orive G Biotechnology Institute (BTI), Vitoria, Spain	(14.03) FLUID MECHANICS MODELLING OF PERFUSED CONSTRUCTS IN BONE TISSUE ENGINEERING Oddou C, David B, Lemaire T, Dantan P Université Paris-Est Créteil, France	(25.03) IN VITRO AND IN VIVO COMPARATIVE EVALUATION OF HUMAN STEM CELLS SEEDING POLY-D,L-LACTIC ACID AND FIBROIN SCAFFOLDS Motta A, Migliaresi C, Riccio M, Pisciotta A, Maraldi T, Bruzzesi G, De Pol A BioTech Research Center, and European Institute of Excellence on Tissue Engineering
10:45-11:15	COFFEE BREAK					
11:15-11:45	OPENING CEREMONY – Room García Lorca					
11:45-12:45	PLENARY SESSION – Room García Lorca R. REIS: "Novel Multidisciplinary Approaches for the Tissue Engineering of Connective Tissues"					
12:45-13:45	LUNCHTIME					

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SYMPOSIA AND SESSIONS	POLYMERIC VECTORS FOR GENE THERAPY	BIOREACTORS TECHNOLOGIES FOR TISSUE ENGINEERING	TISSUE ENGINEERING OF SKIN: FROM BASIC RESEARCH TO NOVEL THERAPIES	NANOSTRUCTURED & BIOMIMETIC SCAFFOLDS FOR SKELETAL TISSUE ENGINEERING	COMPUTATIONAL MODELING IN TISSUE ENGINEERING	MECHANICAL BEHAVIOUR OF CELLS, SCAFFOLDS, AND ENGINEERED TISSUES
13:45-14:00	(35.KP) THE FUTURE OF NON-VIRAL GENE THERAPEUTICS – THE DELIVERY DILEMMA O'Driscoll C University College Cork, Ireland	(7.01) MICROBIOREACTORS FOR CARDIAC TISSUE ENGINEERING Xiao Y, Thavandiran N, Au H, Radisic M University of Toronto	(46.KP) TISSUE ENGINEERING OF SKIN: FROM BASIC RESEARCH TO NOVEL THERAPIES Reichmann E University Childrens Hospital, Zürich, Switzerland	(30.KP) BIOMIMETIC AND NANOSTRUCTURED POLYMERIC SUBSTRATES IN TISSUE ENGINEERING Mano JF 3B's Research Group, Portugal	(14.04) MESENCHYMAL STEM CELL AGEING: AN INDIVIDUAL CELL-BASED MODELING APPROACH Krinner A, Zscharnack M, Stolz A, Loeffler M, Galle J University of Leipzig	(27.KP) SCAFFOLD DESIGN & FABRICATION - STATE OF THE ART AND FUTURE DIRECTIONS Hutmacher DW Queensland University of Technology (QUT), Australia
14:00-14:15		(7.02) NEW GENERATION BIOREACTOR FOR IN VITRO ENGINEERING OF TUBULAR STRUCTURES Asnagli MA, Stefani I, Mantero S Politecnico di Milano			(14.05) PREDICTION OF OSTEOGENIC DIFFERENTIATION STATUS OF MESENCHYMAL STEM CELLS BASED ON IMAGE ANALYSIS COMBINED WITH BIOINFORMATICS Matsuoka F, Takeuchi I, Sasaki H, Agata H, Kagami H, Honda H, Kato R Nagoya University	
14:15-14:30	(35.O1) MODULATING INFLAMMATION: TRANSFECTION OF MACROPHAGES BY COLLAGEN HOLLOW SPHERES LOADED WITH POLYPLEXES Helary C, Browne S, Mathew A, Wang W, Pandit A National University of Ireland Galway	(7.03) AUTOMATED, ONLINE, REAL-TIME MONITORING OF CULTURE PARAMETERS IN MULTIPLE INDEPENDENT CHAMBERS OF A PERFUSION BIOREACTOR Turrisi C, Talò G, Arrigoni C, Moretti M Politecnico di Milano, Milano, Italy	(46.O1) DEVELOPMENT OF A VASCULARIZED SKIN SUBSTITUTES Groeber F, Hansmann J, Kaufmann M, Walles H Institute for Interfacial Engineering, Stuttgart, Germany	(30.O1) FABRICATION AND EVALUATION OF ELECTROSPUN POLY(LACTIC-CO-GLYCOLIC ACID):NANO CALCIUM CARBONATE SCAFFOLDS FOR SKELETAL TISSUE ENGINEERING Goodchild RL, Miller CA, Crawford A, Hatton PV University of Sheffield, UK	(14.06) A COUPLED AGENTS-TRANSPORT MODELLING FRAMEWORK AS A DESIGN TOOL FOR BIOREACTORS Kaul H, Cui ZF, Ventikos Y University of Oxford	(27.O1) CYCLIC TENSILE STRAIN UPON ADULT HUMAN MESENCHYMAL STEM CELLS INFLUENCES GENE EXPRESSION LEVELS Rathbone S, Glossop J, Gough J, Cartmell S University of Manchester
14:30-14:45	(35.O2) DEVELOPMENT OF NEW POLYMERIC MICELLES FOR GENE DELIVERY AND DEMONSTRATION IN B16F10 MURINE MELANOMA Velluto D, Thomas NS, Swartz MA, Hubbell JA Ecole Polytechnique Federal de Lausanne, Switzerland	(7.04) MODELING OF FLOW-INDUCED SHEAR STRESS APPLIED ON 3D CELLULAR POROUS SCAFFOLDS Lesman A, Blinder Y, Levenberg S Technion - Israel Institute of Technology, Haifa, Israel	(46.O2) IN VIVO VASCULARISATION AND COLONIZATION OF DERMAL SCAFFOLD BASED ON PLA50-PEO-PLA50 TRIBLOCK COPOLYMER Garric X, Guillaume O, Dabboue H, Molès JP, Casellas, Coudane J, Vert M University Montpellier I - CNRS	(30.O2) ELECTROSPUN COLLAGEN TYPE II(-POLY-E-CAPROLACTONE CO-POLYMER) - BIOMIMETIC NANOFIBRE SCAFFOLDS FOR POTENTIAL CARTILAGE REPAIR Hallinger R, Schürlein S, Pullig O, Rudert M, Nöth U, Rackwitz L University of Würzburg, Germany	(14.07) A POPULATION BALANCE MODEL TO INVESTIGATE THE KINETICS OF IN VITRO CELL PROLIFERATION Fadda S, Cincotti A Univ. Cagliari, Italy	(27.O2) TIME-DEPENDENT COMPRESSIVE BEHAVIOUR OF HYDROGELS FOR NUCLEUS PULPOSUS TISSUE ENGINEERING Strange DGT, Oyen ML University of Cambridge
14:45-15:00	(35.O3) A MICRO RNA APPROACH FOR THE REPROGRAMMING OF HUMAN EPIDERMAL KERATINOCYTES Lewis FC, Rhodes NP, Hunt JA University of Liverpool, UK	(7.05) A NEW SEEDING AND CONDITIONING BIOREACTOR FOR HEART VALVE TISSUE ENGINEERING Akra B, Koenig F, Haas U, Thierfelder N, Aleksieva G, Pfeifer S, Wintermantel E, Bombien R, Schmitz C, Reichart B Ludwig-Maximilian-University, Munich, Germany	(46.O3) SKIN REPAIR USING A BIORESORBABLE DERMAL SUBSTITUTE: TREATMENT OF ACUTE SKIN WOUNDS Dabboue H, Garric, Guillaume, Granier, Taillades, Molès Université Montpellier 1, France	(30.O3) EVALUATION OF PCL-CERAMIC COMPOSITES SCAFFOLDS FOR BONE TISSUE ENGINEERING Rodenas-Rochina J, Suay-Antón J, Gómez-Ribelles JL, Lebourg M Universidad Politécnica de Valencia	(14.08) COMPUTATIONAL SIMULATION OF MECHANOELECTRIC INTERACTIONS BETWEEN MYOFIBROBLASTS AND CARDIOMYOCYTES IN A TISSUE MODEL Abney T, Elson E, Nekouzadeh A, Wakatsuki T, Genin G Washington University in St. Louis	(27.O3) CARTILAGINOUS TISSUES ENGINEERED USING INFRAPATELLAR FAT PAD DERIVED MSCs FAIL TO ACHIEVE NATIVE FUNCTIONALITY DUE TO AN INABILITY TO RETAIN AND ASSEMBLE SYNTHESIZED MATRIX COMPONENTS Buckley CT, Kelly DJ Trinity College Dublin, Ireland
15:00-15:15	(35.O4) NEW POLYMER SHOWS HIGH TRANSFECTION CAPABILITY – INTRODUCING SINGLE CYCLIZED CHAINS Newland B, Yao J, Zheng Y, Wang W, Pandit P Network of Excellence for Functional Biomaterials, NUI Galway, Ireland	(7.06) DESIGN OF A FLOW PERFUSION BIOREACTOR FOR LONGITUDINAL MONITORING OF MINERALIZED EXTRACELLULAR MATRIX GROWTH Hofmann S, Wechsler O, Vetsch J, Müller R ETH Zurich, Zurich, Switzerland	(46.O4) NOVEL BIODEGRADABLE POROUS SCAFFOLD FOR SKIN WOUND HEALING Chou YT, Ho ML, Wen ZH, Wang HM Kaohsiung Medical University	(30.O4) CARTILAGE TISSUE ENGINEERING USING POLYCAPROLACTONE SCAFFOLDS MODIFIED WITH HYALURONIC ACID Sousa T, Rodenas-Rochina J, Mano J, Gómez-Ribelles JL, Lebourg M 3B's Research Group, Portugal	(14.09) SCAFFOLD DESIGN FOR BONE TISSUE ENGINEERING Dias MR, Fernandes PR, Guedes JM, Hollister SJ Universidade Técnica de Lisboa	(27.O4) MESENCHYMAL STEM CELL FATE IS REGULATED BY THE MECHANICAL PROPERTIES OF COLLAGEN-GLYCOSAMINOGLYCAN SCAFFOLDS Murphy CM, O'Brien FJ Royal College of Surgeons in Ireland
15:15-15:30	(35.O5) TRANSFECTION OF HELA CELLS WITH CATIONIZED GELATIN/CAP NANOPARTICLES Huang JY, Lin FH National Taiwan University, Taiwan	(7.07) CYCLIC HYDROSTATIC FORCE APPLIED IN A CUSTOM BIOREACTOR STIMULATES ENHANCED BONE DEVELOPMENT IN THE FOETAL CHICK FEMUR IN VITRO Henstock JR, El Haj AJ Keele University, UK	(46.O5) AUTOMATED PRODUCTION OF AN ENGINEERED SKIN EQUIVALENT Wallis Heike W, Pretsch F, Traube A Tissue Engineering & Regenerative Medicine University Hospital Würzburg and Fraunhofer IGB Stuttgart	(30.O5) DEVELOPMENT OF POLY(BUTYLENE SUCCINATE) MICRO-FEATURES FOR ADIPOSE STEM CELL ALIGNMENT Coutinho DF, Gomes ME, Neves NM, Reis RL University of Minho, Portugal	(14.010) A 3D MULTIPHYSIC MODEL FOR THE PREDICTION OF ENGINEERED TISSUE GROWTH IN PERFUSED BIOREACTORS Laganà M, Mara A, Nava M, Raimondi MT Politecnico di Milano	(27.O5) INFLUENCE OF SCAFFOLD STIFFNESS AND MECHANICAL STIMULATION ON ECM PRODUCTION BY HUMAN PRIMARY DERMAL FIBROBLASTS Joly P, Petersen A (1,3,4), Hakiy N, Duda GN (1,3,4) Julius Wolff Institute, Charité – Universitätsmedizin Berlin, Germany
15:30-15:45	(35.O6) BMP-2 PLASMID DNA INCREASES BONE FORMATION IN MSC-SEEDED ALGINATE CONSTRUCTS Wegman F, Schuijff LS, Oner FC, Dhert WJA, Alblas J University Medical Center Utrecht, The Netherlands	(7.08) THE EFFECT OF ALTERING FREQUENCY DISTRIBUTION OF MECHANICAL STIMULATION ON MYOCARDIAL-EQUIVALENT TWITCH FORCE Ye KY, Black LD III Tufts University	(46.O6) PLATELET LYSATE INDUCES IN VITRO WOUND HEALING OF HUMAN KERATINOCYTES ASSOCIATED WITH A STRONG PRO-INFLAMMATORY RESPONSE El Backly R, Ulivi V, Tonachini L, Cancedda R, Descalzi F, Mastrogiacomo M University of Genoa, Italy	(30.O6) BONE TISSUE RESPONSE TO AN INJECTABLE NANOSTRUCTURED CALCIUM PHOSPHATE SCAFFOLD Hatton P, Freeman C, Miller C, Goodchild R, Wilcock C, Brook I University of Sheffield, UK	(14.011) MODELLING MECHANOSENSING IN CELL-MATERIAL INTERACTION: IMPLICATIONS FOR TISSUE ENGINEERING García-Aznar JM, Sanz-Herrera JA, Borau C, Rey R, Moreo P Universidad de Zaragoza	(27.O6) EFFECT OF SUBSTRATE RIGIDITY ON IPS DIFFERENTIATION Macri Pellizzeri L, Sancho A, Iglesias O, Pelacho B, de Juan-Parde EM, Prósper F, University of Navarra, Spain
15:45-16:15	COFFEE BREAK					
16:15-17:15	PLENARY SESSION – Room García Lorca J. LÓPEZ BARNEO: "Neuroprotection and Cell Therapy in Parkinson's Disease"					

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SYMPOSIA AND SESSIONS	CELL TRACTION: THE PROS AND CONS IN VALVULAR AND VASCULAR TISSUE ENGINEERING	BIOREACTORS TECHNOLOGIES FOR TISSUE ENGINEERING	TISSUE ENGINEERING OF SKIN: FROM BASIC RESEARCH TO NOVEL THERAPIES	NANOSTRUCTURED & BIOMIMETIC SCAFFOLDS FOR SKELETAL TISSUE ENGINEERING	COMPUTATIONAL MODELING IN TISSUE ENGINEERING	MECHANICAL BEHAVIOUR OF CELLS, SCAFFOLDS, AND ENGINEERED TISSUES
17:15-17:30	(9.KP) CELL TRACTION: THE PROS AND CONS IN VALVULAR AND VASCULAR TISSUE ENGINEERING Jockenhoevel S, Driessen-Mol A Aachen University, Germany	(7.KP) COLLAGEN-BASED SCAFFOLDS IN TISSUE ENGINEERING: APPLIED BIOMATERIALS AND CELLULAR RESPONSE TO FLOW PERFUSION O'Brien FJ Royal College of Surgeons in Ireland & Centre for Bioengineering, Trinity College Dublin	(46.07) EARLY EFFECTS OF IONIZING RADIATION IN TISSUE ENGINEERED MUCOSA Tra W, van Neck H, Hovius S, Perez-Amodio S Erasmus MC	(30.07) ENHANCEMENT OF OSTEOGENIC DIFFERENTIATION OF HUMAN ADIPOSE DERIVED STEM CELLS ON POLY(D,L-LACTIC ACID) SCAFFOLDS BY THE INCORPORATION OF PLATELET LYSATE-LOADED CHITOSAN-CHONDROITIN SULFATE NANOPARTICLES WITHIN THE CONSTRUCT Santo VE, Duarte ARC, Popa EG, Gomes ME, Mano JF, Reis RL 3B's Research Group, Portugal	(14.012) MODELING AND FABRICATION OF FUNCTIONALLY GRADIENT VARIATIONAL PORE IN HOLLOWED SCAFFOLDS WITH CONTINUOUS PATH PLAN Koc B, Khoda AKM University at Buffalo, Sabanci Research	(27.07) ANISOTROPIC COLLAGEN-GAG SCAFFOLD-MEMBRANE COMPOSITES WITH PDGF-BB AND IGF-1 SUPPLEMENTATION FOR TENDON TISSUE ENGINEERING Caliari SR, Ramirez M, Harley BA University of Illinois at Urbana-Champaign (UIUC), USA
17:30-17:45			(46.08) DEVELOPMENT OF A TISSUE-ENGINEERED HUMAN SKIN MODEL FOR DETECTING IRRITANT-INDUCED INFLAMMATION Haycock J, Chunthapong J, Johnson C, Kemp H, MacNeil S Sheffield University, UK	(1.017) PHARMACOLOGICAL MODULATION OF MESENCHYMAL STEM CELL CHONDROGENESIS BY MARINE POLYSACCHARIDES FOR CARTILAGE TISSUE ENGINEERING Merceron C, Rederstorff E, Portron S, Colombeix C, Masson M, Lesoeur J, Sourice S, Collicie-Jouault S, Weiss P, Vinatier C, Guicheux J Université de Nantes, France	(14.013) COMPUTATIONAL FLUID DYNAMICS AS A DESIGNING AND TROUBLESHOOTING TOOL FOR MULTIPHASE BIOREACTORS: CASE STUDY IN AIRLIFT BIOREACTORS Paopo I, Xu XY, Mantalaris A Imperial College London, UK	(27.08) CONTRACTILITY OF STEM CELL-DERIVED CARDIOMYOCYTES IN 2D AND 3D MICROENVIRONMENT Wakatsuki T, Hazeltine L, Palecek S Medical College of Wisconsin
17:45-18:00	(9.01) ENDOGENOUS TISSUE CONTRACTILITY SPATIALLY REGULATES THE VEGF SIGNALING AND ANGIOGENESIS IN SELF-ORGANIZING MICROFABRICATED TISSUES Rivron N, Vrij E, Rouwkema J, Truckenmuller R, Le Gac S, Van den Berg A, Van Blitterswijk C University of Twente	(7.09) DEVELOPMENT OF AN NOVEL BIDIRECTIONAL CONTINUOUS PERFUSION BIOREACTOR (BCFB), FOR CULTURING CELLS IN 3D SCAFFOLDS Gardel LS, Dias A, Link D, Serra LA, Gomes ME, Rui RL 3B's Research Group, Portugal	(46.09) THE ENGINEERING OF PREVASCULARIZED MATRICES Marino D, Luginbuehl J, Montano I, Reichmann E University children's Hospital Zurich	(30.09) ELECTROSPUN SCAFFOLDS WITH CONTROLLED VOID SPACE Simonet M, Oomens CWJ, Driessen-Mol A, Baaijens FPT Eindhoven University of Technology	(14.014) MECHANICAL PROPERTIES AND FUNCTION OF TISSUE-ENGINEERED CARTILAGE DEPEND ON THE RATE OF COLLAGEN AND PROTEOGLYCAN SYNTHESIS Khoshgofar M, Van Donkelaar CC, Wilson W Eindhoven University of Technology	(27.09) HUMAN MESENCHYMAL STEM CELLS MIGRATION ON MATRICES WITH DISTINCT ELASTICITY GRADIENT MAGNITUDES Vincent L, Engler AJ University of California, San Diego
18:00-18:15	(9.02) THE POTENTIAL OF PROLONGED TISSUE CULTURE TO REDUCE STRESS GENERATION AND RETRACTION IN ENGINEERED HEART VALVE TISSUES Van Vlimmeren MAA, Driessen-Mol A, Oomens CWJ, Baaijens FPT Eindhoven University of Technology	(7.010) A PERFUSION BIOREACTOR SYSTEM FOR THE DEVELOPMENT OF TISSUE-ENGINEERED BONE CONSTRUCTS García E, Hua J, Rayan F, Blunn G University College London (UCL), UK	(46.010) MODIFIED PLASTIC COMPRESSION OF COLLAGEN GELS: A NEW METHOD TO OPTIMIZE THE MATRIX FOR LARGE SCALE TISSUE ENGINEERED SKIN TRANSPLANTS Brazilius E, Diezi M, Biedermann T, Pontiggia L, Hartmann-Fritsch F, Meuli M, Reichmann E University Childrens Hospital Zürich	(30.010) BONE FORMATION IN SURFACE-MODIFIED 3D PLOTTED POLYCAPROLACTONE-SCAFFOLDS Declercq H, Desmet T, Berneel E, Dubrue P, Cornelissen M Ghent University, Belgium	14.015) A BOOLEAN NETWORK APPROACH TO DEVELOPMENTAL NETWORK ENGINEERING Kerkhofs J, Roberts SJ, Luyten FP, Van Oosterwyck H, Geris L ULG and K.U. Leuven	(27.010) FLEXURAL STRENGTH OF UNIDIRECTIONAL AND WOVEN GLASS FIBERS REINFORCED COMPOSITES USED FOR DENTISTRY Furtos G, Prejmerean C, Silaghi-Dumitrescu L, Moldovan M, Tamas C, Boboia S Babes-Bolyai University, Cluj-Napoca, Romania
18:15-18:30	(9.03) EFFECT OF CROSSLINKING OF FREEZE-DRIED AND CRITICAL POINT DRIED COLLAGEN SCAFFOLDS ON PHYSICAL PROPERTIES AND CELL FUNCTION: RELEVANCE FOR HEART VALVE TISSUE ENGINEERING Carubelli I, Tseng YT, Sarathchandra P, Czernuszka JT, Chester AH, Yacoub MH, Taylor PM Imperial College London, UK	(7.011) THE IMPORTANCE OF GRADIENTS IN ARTICULAR CARTILAGE Spitters TWGM, Fernandes H, Liu J, van Blitterswijk CA, Karperien M University of Twente, The Netherlands	(46.011) A MATHEMATICAL MODEL OF COLLAGEN LATTICE CONTRACTION Dallon J, Ehrlich HP Brigham Young University	(30.011) OSTEOGENIC AND CHONDROGENIC DIFFERENTIATION OF HUMAN BONE MARROW MESENCHYMAL STEM CELLS SEEDS ONTO A NOVEL NANO-COMPOSITE BIOMIMETIC SCAFFOLD FOR OSTEO-CHONDRAL TISSUE REGENERATION Fiorini M, Nicoletti A, Dolcini L, Pressato D, Grigolo B, Lisignoli G, Cavallo C, Manfredini C, Facchini A Fin-Ceramica Faenza S.p.A., Faenza (RA), Italy	(14.016) HOW INTEGRINS MAY MODULATE THE MECHANOTRANSDUCTION BETWEEN HYDROGEL MATRIX AND THE CHONDROCYTES IN CARTILAGE TISSUE ENGINEERING Khoshgofar M, van Donkelaar CC, Ito K Eindhoven University of Technology, The Netherlands	(27.011) THE NON-ACETYLATION OF ACTIN AND TROPOMYOSIN DISRUPTS THE ACTIN CYTOSKELETON IN MAMMALIAN CELLS Elosegui A, Gil-Rodrigo A, Oregi A, Gazquez C, Aldabe R, de Juan-Pardo EM University of Navarra, San Sebastian, Spain
18:30-18:45	(9.04) EFFECT OF MECHANICAL CONDITIONING ON CELL-MEDIATED TISSUE CONTRACTION IN FIBRIN-BASED TISSUE ENGINEERED HEART VALVES Hasken S, Kreitz S, Schmitz-Rode T, Mela P, Jockenhoevel S Aachen University, Germany	(7.012) NUMERICAL ANALYSIS OF NUTRIENTS TRANSPORT IN CONVECTION-ENHANCED HFMBs FOR LONG BONE TISSUE ENGINEERING Zanetti EM, De Napoli IE, Audenino AL, Catapano G Università della Calabria	(46.012) CHARACTERIZATION OF ANGIOGENIC TRANSFORMATIONS AND THE ROLE OF PROTEASES IN REVASCULARIZATION OF SKIN GRAFTS Knapik AD, Hegland N, Contaldo C, Giovanoli P, Calcagni M, Lindenblatt N University Hospital, Zürich, Switzerland	(30.012) TWO-LAYER MEMBRANE OF CALCIUM PHOSPHATE/COLLAGEN/PLGA NANOFIBRES: IN VITRO BIOMINERALISATION AND OSTEOGENIC DIFFERENTIATION OF HUMAN MESENCHYMAL STEM CELLS Hild N, Schneider OD, Mohr D, Stark WJ ETH Zurich	(14.017) A COUPLED CHEMO-MECHANO-BIOLOGICAL MODEL FOR BONE ADAPTATION Klika V, Pérez MA, Marsik F, Doblare M, García-Aznar JM Czech Technical University in Prague	(27.012) HIGH-THROUGHPUT MEASUREMENTS OF CELL TRACTION FORCES OF CANCER CELLS Gil-Rodrigo A, Elosegui A, Oregi A, Aldabe R, de Juan-Pardo EM (University of Navarra, San Sebastian, Spain)
18:45-19:00	(9.05) VESSEL DERIVED STEM CELLS CONTRIBUTE TO ENDOCHONDRAL OSSIFICATION OF ATHEROSCLEROTIC PLAQUE Leszczynska A, O'Doherty A, Barry F, O'Brien T, Murphy M National University of Ireland, Galway, Ireland	(7.013) VESSEL METABOLISM UNDER MECHANICAL LOAD - IMPLICATIONS FOR VASCULAR TISSUE ENGINEERING Hoenicka M, Schrammel S, Puehler T, Hirt S, Birnbaum DE, Schmid C University of Regensburg Medical Center, Germany	(46.013) RECOMBINANT HUMAN EPIDERMAL GROWTH FACTOR (NEPIDERMIN) TREATMENT IMPROVES WOUND HEALING IN A DIABETIC RAT MODEL Cifuentes-Negrete A, Lizano C, Díaz N, Martínez-Alcocer S, Álvarez de Mon M, García-Honduvilla N. University of Alcalá, Spain	(30.013) CELLULAR BIODEGRADABLE POLYMER NANOCOMPOSITE SCAFFOLDS Delabarde C, Plummer CIG, Bourban PE, Roshan-Ghias A, Pioletti DP, Månson J-AE Ecole Polytechnique Fédérale de Lausanne (EPFL)	(14.018) COMPUTER SIMULATION OF MANUFACTURE AND DEGRADATION OF SCAFFOLDS Erkizia G, Juan-Pardo EM, Aldazabal I, Kim GM, Aldazabal J University of Navarra	(27.013) THE EFFECT OF LOW SHEAR STRESS ON TISSUE ENGINEERED AORTIC VALVES Hra B, Thierfelder N, Uhlig A, Haas U, Koenig F, Bombien R, Fano C, Dauner M, Schmitz C, Reichart B Ludwig-Maximilian-University, Munich, Germany
19:00-19:15	(9.06) CLAY-GELS CAN LOCALIZE VEGF AND INDUCE ANGIOGENESIS IN VITRO AND IN VIVO Dawson JI, Kanczler JM, Yang XB, Attard GA, Oreffo ROC University of Southampton	(7.014) DYNAMIC EXPANSION OF HUMAN UMBILICAL CORD CELLS IN A ROTATING BED SYSTEM BIOREACTOR FOR TISSUE ENGINEERING OF HUMAN HEART VALVES Reichardt A, Hetzer R, Lüders C Deutsches Herzzentrum Berlin	(46.014) HYPERGLYCEMIA LEADS TO DIFFERENTIAL GENE EXPRESSION IN WOUNDED KERATINOCYTES Kulkarni MM, Minor W, Carroll O, Mashayekhi K, Greiser U, O'Toole EA, O'Brien T, Pandit A Network of Excellence for Functional Biomaterials	(30.014) MICRO- AND NANOSTRUCTURED HYDROXYAPATITE/COLLAGEN MICROCARRIERS FOR BONE TISSUE ENGINEERING APPLICATIONS Pérez RA, Altankov G, Jorge-Herrero E, Ginebra MP Technical University of Catalonia	(14.019) MODELLING OF NUTRIENT MASS TRANSFER AND CELL TRANSFER AND PROLIFERATION IN ENGINEERED VASCULAR TISSUE AND SCAFFOLD OPTIMISATION Elsayed Y, Lekakou C, Tomlins P University of Surrey	(27.014) MIGRATION OF HUMAN MESENCHYMAL STEM CELLS IS INFLUENCED BY WNT3A AND MECHANICAL STIMULATION Woloszyk A, Petersen A, Duda GN Julius Wolff Institute, Charité – Universitätsmedizin Berlin, Germany
19:15-19:30	(9.07) ADVANTAGES OF DENUDED HUMAN UMBILICAL VEIN (HUV) OVER DECELLULARIZED HUV AS SCAFFOLD FOR VASCULAR TISSUE ENGINEERING Mangold S, Schrammel S, Bursa J, Huber G, Bronger H, Schmid C, Hoenicka M Univ of Regensburg Medical Center, Germany	(7.015) A NOVEL CONTROL UNIT TO CULTURE MESENCHYMAL STEM CELLS UNDER CONTROLLED AND REPRODUCIBLE CONDITIONS IN A PERFUSION BIOREACTOR Kress S, Lavrentieva A, Martin y, Tappe A, Scheper T, Kasper C Leibniz University of Hanover			(14.020) A NEW CONSTITUTIVE MODEL TO DESCRIBE COLLAGEN REMODELING IN TISSUE ENGINEERING APPLICATIONS Nagel T, Kelly DJ Trinity College Dublin	(27.015) CELL CONTRACTION FORCES ADAPT TO THE MECHANICAL ENVIRONMENT IN A SPECIES-DEPENDENT MANNER Petersen A, Korus G, Duda GN Julius Wolff Institute, Charité – Universitätsmedizin Berlin, Germany
19:30-21:00	WELCOME RECEPTION – Conference Venue Terrace					

WEDNESDAY 8

PLENARY SESSION – Room García Lorca

J. KIRKPATRICK: "The language of cells: lost in translation?"

ROOM	MACHADO	PICASSO	MACHUCA	GARCÍA LORCA	ALBÉNIZ	ANDALUCIA II
8:30-9:30	PLENARY SESSION – Room García Lorca					
SYMPOSIA AND SESSIONS	THE USE OF MAGNETIC NANOPARTICLES FOR TAGGING, TRACKING AND ACTIVATION IN REGENERATIVE MEDICINE	REPAIR, REPLACE AND REGENERATION IN THE EYE	THE SPANISH CELL THERAPY NETWORK ACTIVITIES: FROM BENCH TO BEDSIDE	BIOMATERIALS & ENGINEERED CONSTRUCTS- OUTCOMES IN SURGERY/ EXISTENT MEDICINE (BECOMES)	CELL-BASED THERAPIES AT BED-SIDE	SEHIT SATELLITE MEETING: 1. HISTOTECHNOLOGY AND NOVEL METHODS IN HISTOLOGY AND TISSUE ENGINEERING
9:30-9:45	(44.KP) E. Sykova keynote presentation	(39.KP) WHAT MAKES A GOOD SUBSTRATE FOR CORNEAL TISSUE ENGINEERING? Connon CJ, Jones RR, Chen B, Mi S, Hamley IW School of Pharmacy, University of Reading	(43.KP) BONE MARROW STEM CELLS: THERAPEUTIC MICRO-DEVICES FOR NEURODEGENERATIVE DISEASES Martínez S, Blanquer M, Gómez-Espuch J, Moraleda JM Instituto de Neurociencias UMH-CSIC, Alicante, Spain	(5.KP) TISSUE ENGINEERING FOR CLINICAL SYNDROMES: EXPECT THE UNEXPECTED MICROENVIRONMENT Saxena AK Medical University of Graz, Austria	(11.KP) CELL SHEET ENGINEERING FOR REGENERATIVE MEDICINE: ITS CURRENT STATUS OF CLINICAL APPLICATIONS AND SUPPORTING TECHNOLOGIES Yamato M Tokyo Women's Medical University	SEHIT WELCOME
9:45-10:00						
10:00-10:15	(44.O1) WORKING TOGETHER: THE COMBINED APPLICATION OF A MAGNETIC FIELD AND PENETRATIN FOR THE DELIVERY OF MAGNETIC NANOPARTICLES TO CELLS IN 3D Child HW, del Pino P, Hursthouse AS, Berry CC Glasgow University, UK	(39.O1) THE INJECTABLE OXIDATED HYALURONIC ACID-BASED HYDROGEL AS A VITREOUS SUBSTITUTE Su WY, Chen YC, Lin FH National Health Research Institutes	(43.O1) HUMAN MESENCHYMAL STROMAL CELLS FOR BONE FORMATION AND SPINE FUSION del Cañizo MC, Sánchez-Guijo FM, Blanco J, Muntion S, Romo C, Carrancio S, López O, Villarón EM, López-Holgado N, San Miguel JF Hospital Universitario de Salamanca, Spain	(5.O1) NOVEL BIODEGRADABLE VASCULAR PROSTHESIS: SHORT-TERM RESULTS AFTER CAROTID ARTERY REPLACEMENT IN THE PIG Walpoth BH, Mrowczynski W, Mugnai D, de Valence S, Tille JC, Khabiri E, Gurny R, Kalangos A, Moeller M Geneva University Hospital	(11.O1) ENDOTHELIAL CELLS POTENTIATE CELL SHEETS OSTEOGENIC ABILITY Pirracco RP, Iwata T, Marques AP, Yamato M, Reis RL, Okano T Tokyo Women's Medical University, Japan	(50.1.O1) EVALUATION OF PIGMENTATION AND COLLAGEN FIBERS REORGANIZATION IN MELANOCYTIC LESIONS USING A NEW FONTANA MASSON-PICROSIRIUS HISTOCHEMICAL METHOD Carriel V, Aneiros-Fernández J, Arias-Santiago S, Martín-Piedra MA, Doello K, Moller A, Campos A University of Granada, Spain
10:15-10:30	(44.O2) MAGNETIC NANOPARTICLE TECHNOLOGY FOR USE IN CONTROLLING DIFFERENTIATION OF EMBRYONIC STEM CELLS Rotherham M, Cheema PMS, Hu B, Forsyth NR, El Haj AJ, Bowen W Dale T Keele University, UK	(39.O2) FIBROIN-BASED MATERIALS SUPPORT CO-CULTIVATION OF LIMBAL EPITHELIAL AND STROMAL CELLS Bray LJ, George KA, Hutmacher DW, Chirila TV, Harkin DG Queensland University of Technology	(43.O2) TREATMENT OF REPERFUSED ISCHEMIA WITH ADIPOSE-DERIVED STEM CELLS IN A PRECLINICAL MODEL OF MYOCARDIAL INFARCTION Prosper F, Mazo M, Hernández S, Gavira JJ, Abizanda G, Araña M, López-Martínez T, Moreno C, Merino J, Martino-Rodríguez A, Uixeira A, García JA, Martínez-Caro D Clínica Universitaria de Navarra	(5.O3) ROLE OF SIDE POPULATION CELLS DURING WOUND HEALING IN RAT VOCAL FOLDS Gugatschka M, Kojima T, Ohno S, Kanemaru SI, Hirano S Medical University Graz, Austria	(11.O2) MODULATION OF THE IN VITRO MICROENVIRONMENT USING MACROMOLECULAR CROWDING Satyam A, Joshi L, Raghunath M, Pandit A, Zeugolis D National University of Ireland Galway, Ireland	(50.1.O2) LECTIN HISTOCHEMICAL CHARACTERIZATION OF DIFFERENT POPULATIONS OF MUCOUS AND PARIETAL CELLS IN THE RAT GASTRIC EPITHELIUM Gómez-Santos L, Sáez FJ, Alonso E, Martínez de Ubago M, Sagredo E, Urcelay B, Díaz-Flores L, Madrid JF University of the Basque Country
10:30-10:45	(44.O3) IN VIVO TRACKING OF SUPERPARAMAGNETIC IRON OXIDE NANOPARTICLE-LABELED CD133+ STEM CELL TROPISM TO DYSTROPHIC MUSCLE TISSUES USING MICRO-CT IMAGING Villa C, Farini A, Erratico S, Belicchi M, Merregalli M, Fiori F, Rustichelli F, Torrente Y Università di Milano, Italy	(39.O3) OPTIMISATION OF PRIMARY CELL CULTURE CONDITIONS FOR RETINAL AND IRIS PIGMENT EPITHELIAL CELL TRANSPLANTATION ON ARTIFICIAL SUBSTRATES Kearns V, Vasilev K, Nian S, Sheridan C, Williams R University of Liverpool	(43.O3) ADIPOSE DERIVED STEM CELLS (ASC) FOR TREATMENT OF CROHN'S FISTULA García-Olmo D, Herreros D, Guadalajara H, Trebol J, Georgiev T, García-Arraz M Hospital Universitario La Paz, Universidad Autónoma de Madrid	(5.O4) NEW POLYMER COATING TO VISUALIZE SURGICAL MESH BY MRI Guillaume O, Blanquer S, Letouzey V, Lemaire L, de Tayrac R, Garric X, Coudane J IBMM, UMR-CNRS 5247, Montpellier, France	(11.O3) CONTROLLED VEGF EXPRESSION ENSURES SAFE ANGIOGENESIS AND FUNCTIONAL IMPROVEMENT IN A MODEL OF MYOCARDIAL INFARCTION Melly L, Marsano A, Helmirch U, Heberer M, Eckstein F, Carrel T, Cook S, Giraud-Flück MN, Tevaearai H, Banfi A Basel University Hospital	(50.1.O3) IN VITRO ASSESSMENT OF TIME-RELATED CHANGES AND UVA MEDIATED BIOACTIVATION OF FUNCTIONALIZED PET SURFACES ON HUMAN OSTEOBLASTS Salido M, Terriza A, González-Elipe AR, Vilches J School of Medicine. University of Cadiz, Spain; Instituto de Ciencia de Materiales (CSIC-Univ. Seville), Seville, Spain
10:45-11:00	(44.O4) HIGHLY EFFICIENT MAGNETIC STEM CELL LABELING WITH NEW SUPERPARAMAGNETIC IRON OXIDE NANOPARTICLES FOR IN VIVO TRACKING BY MRI Andreas K, Georgieva R, Mueller S, Sittinger M, Ringe J Charité Universitätsmedizin, Berlin, Germany	(39.O4) SPECTRAL DOMAIN OPTICAL COHERENCE TOMOGRAPHY (SD-OCT) COMPLEMENTS HISTOLOGIC EVALUATION OF SUBRETINAL CELL CARRIERS FOR RETINAL PIGMENT EPITHELIAL TRANSPLANTATION Stanzel BV, Liu ZP, Brinken R, Braun N, Kearns V, Wegener A, Sheridan C, Holz FG, Eter N University Eye Hospital Bonn, Germany	(43.O4) INDEPENDENT MEDICAL TRIALS ON REGENERATIVE MEDICINE SUPPORTED BY A BIOMEDICAL INSTITUTION Sánchez A, Calonge M, Orozco L, Soler R, Pastor MF, Alberca M IOBA, Universidad de Valladolid, Valladolid, Spain		(11.O4) HUMAN UMBILICAL CORD PERIVASCULAR STEM CELLS (HUCPVCs) AND THEIR CONDITIONED MEDIA INCREASE PROLIFERATION, SURVIVAL AND DIFFERENTIATION IN THE DENTATE GYRUS OF ADULT RAT HIPPOCAMPUS Teixeira FG, Carvalho MM, Silva NA, Neves NM, Reis RL, Sousa N, Pinto L, Salgado AJ University of Minho, Braga, Portugal	
11:00-11:15	(44.O5) INVESTIGATING VARIOUS MRI CONTRAST AGENTS AT DIFFERENT CONCENTRATIONS FOR THE PURPOSE OF TAGGING AND IMAGING OF MESENCHYMAL STEM CELLS AND CHONDROCYTES FOR ACI Markides H, El Haj AJ Keele University, UK	(39.O5) DECELLULARIZED CORNEAS BY USING SDS OR NACL: FROM PIG TO HUMAN González-Andrades M, Carriel V, Pérez-Roca F, Martínez C, Crespo PV, Alaminos M, Campos A University of Granada, Spain		COFFEE BREAK		SEMINAR ROOM
11:15-11:30						WORKSHOP NOVAMATRIX

ROOM	MACHADO	PICASSO	MACHUCA	GARCÍA LORCA	ALBÉNIZ	ANDALUCIA II	SEMINAR ROOM	
SYMPOSIA AND SESSIONS	BIOFUNCTIONAL MATERIALS AS EXTRACELLULAR SIGNALS TO PROMOTE TISSUE MORPHOGENESIS	KOREAN-EUROPEAN SYMPOSIUM: BIOACTIVE SCAFFOLDS FOR TISSUE REGENERATION	INNOVATIONS IN STEM CELL-BASED CARDIAC TISSUE ENGINEERING	TRANSLATIONAL BONE ENGINEERING	RELEVANT MODELS FOR PRE-CLINICAL EVALUATION ON THE PATH TO CLINICAL TRANSLATION	SEHIT SATELLITE MEETING: 2. BIOPATHOLOGY	WORKSHOP NOVAMATRIX	
11:30-11:45	(3.KP) A FUNCTIONALISED SCAFFOLD FOR MODULATION OF INFLAMMATION TO PERMIT STEM CELL SURVIVAL IN MYOCARDIAL INFARCTION Pandit A National University of Ireland, Galway	(23.KP1) GROWTH FACTOR-IMMOBILIZED BIOACTIVE POROUS BEADS AS AN INJECTABLE URETHRAL BULKING AGENT Oh SH, Kim IG, Lee JY, Lee JH Hannam University	(22.KP) INDUCED PLURIPOTENT STEM CELLS FOR CARDIAC TISSUE ENGINEERING Kensah G, Mauritz C, Schwanke K, Zweigerdt R, Schöler H, Martin U, Gruh I Hannover Medical School, Hannover, Germany	(47.O14) UPSCALING IN BONE ENGINEERING: FROM RODENT TO LARGE ANIMAL TO HUMAN van Griensven M, van de Kamp J, Schützenberger S, Redl H Ludwig Boltzmann Institute for Experimental and Clinical Traumatology	(38.KP) THE REPARATIVE ACTIVITY OF MESENCHYMAL STEM CELLS: WHICH IS THE RIGHT CELL FOR THE RIGHT JOB? Johnson WE Life & Health Sciences, Aston University	(50.2.O1) IDENTIFICATION OF NOVEL MOLECULAR TARGET FOR ENDOMETRIOSIS: QUANTIFICATION OF DOPAMINE RECEPTOR 2 ON ENDOMETRIOTIC LESIONS AND HISTOLOGICAL CHANGES AFTER ANTIANGIOGENIC TREATMENT Novella-Maestre E, Carda C, Ruiz-Saurí A, Pellicer A Hospital Universitario La Fe, Valencia	CELLS, GELS AND ALGINATE - AND A LITTLE MORE - AN ALGINATE TECHNOLOGY WORKSHOP NOVAMATRIX	
11:45-12:00		(23.KP2) DENDRIMER-BASED NANOPARTICLES FOR INTRACELLULAR DELIVERY OF DRUGS: APPLICATION IN TISSUE ENGINEERING AND REGENERATIVE MEDICINE Oliveira JM, Hajime Ohgushi, Mano JF, Reis RL 3B's Research Group, Portugal				(50.2.O2) ROLE OF ADRENOMEDULLIN DEFICIENCY IN THE PATHOGENESIS OF ELASTASE-INDUCED MURINE PULMONARY EMPHYSEMA García-Sanmartín J, Martínez A Center for Biomedical Research of La Rioja (CIBIR), Logroño, Spain		
12:00-12:15	(3.O1) EVALUATION AND PREDICTION OF ACUTE INFLAMMATORY CHARACTERISTICS OF IMPLANTABLE SYNTHETIC AND TISSUE-BASED BIOLOGIC MESHES USING A SENSITIVE QUANTITATIVE IN VITRO CHEMILUMINESCENT ASSAY Bryan N, Bayon Y, Scarborough N, Hunt J University of Liverpool	(23.O1) FUNCTIONALIZATION OF PLA FILMS USED IN TISSUE ENGINEERING BY INCORPORATION OF ANTIOXYDANTS: PHYSICAL PROPERTIES EFFECTS AND CELL CULTURE Arab-Tehrany E, Jamshidian M, Poncot M, Cleymand F, Kahn C, Desobry S University of Nancy, France	(22.O1) QUANTITATIVE CELLULAR AND MOLECULAR SCREENING OF PLURIPOTENT STEM CELL DERIVATIVES IN AN ENGINEERED HEART TISSUE MODEL Song H, Yoon C, Thravandiran N, Masse S, Rubart M, Zandstra P, Radisic M University of Toronto	(47.KP) BMP-INDUCED OSTEOBLAST DIFFERENTIATION AND BONE FORMATION ten Dijke P Leiden University Medical Center	(38.O1) EVALUATION OF TISSUE-ENGINEERED AORTIC CONDUIT TRANSPLANT MATURATION IN A GROWING SMALL RODENT MODEL Assmann A, Akhyari P, Delfs C, Flögel U, Jacoby C, Lichtenberg A Heinrich Heine University, Duesseldorf, Germany	(50.2.O3) MORPHOMETRIC COMPARATIVE STUDY OF TWO DISTINCT TYPES OF BLOOD VESSELS AND LYMPHATIC VESSELS IN RENAL CELL CARCINOMA Ruiz-Saurí A, Valencia-Villa G, Calatrava A, Cruz J, Illueca C, Carda C, Sancho-Tello M, Martín de Llano JJ, Almenar-Medina S Univ. de Valencia, Spain		
12:15-12:30	(3.O2) IMPROVEMENT OF BIOLOGICAL PROPERTIES OF POLYMERIC MATERIALS THROUGH THE BIOFUNCTIONALIZATION WITH ELASTIN-LIKE POLYMERS Punet X, Mauchauffé R, Engel E, Rodríguez-Cabello JC, Mateos-Timoneda MA, Planell JA IBEC	(23.O2) DESIGNED HYBRID COMPOSITE SCAFFOLDS CONSISTED OF POLYCAPROLACTONE/TRICALCIUM PHOSPHATE AND ELECTROSPUN COLLAGEN Yeo MG, Lee H, Ahn S, Kim GH Chosun University, Republic of Korea	(22.O2) TISSUE PRINTING OF CARDIAC PROGENITOR CELLS ALLOWS IN VITRO CREATION OF AN ORGANIZED CARDIOGENIC TISSUE Gaetani R, Doevendans PA, Metz CHG, Alblas J, Messina E, Giacomello A, Sluijter JPG University Medical Center Utrecht, Utrecht, NL	(47.O12) MODELS OF BONE TISSUE ENGINEERING: APPLICATION IN HUMANS Schuckert KH Institute Indente	(38.O2) ROLE OF MACROPHAGE PHENOTYPE IN THE REMODELING OF ECM SCAFFOLDS FOR TISSUE RECONSTRUCTION Badylak SF, Brown BN, Kukla KA, Turner NJ University of Pittsburgh, USA	(50.2.O4) EXPRESSION OF SMOOTHELIN IN THE SKIN Aneiros-Fernández J, Arias-Santiago S, Carriel V, Campos A, Aneiros-Cachaza J University Hospital Virgen de las Nieves, Granada, Spain		
12:30-12:45	(3.O3) MOLECULAR MECHANISM INVOLVED IN THE WOUND HEALING EFFECT OF SILK PROTEINS FIBROIN AND SERICIN Martínez-Mora, C, Mrowiec, A, Alcaraz, A, López-Martínez, C, Aznar-Cervantes, García-Vizcaíno, E, Cenis, JL Nicolás, FJ IMIDA, Murcia, Spain	(23.O3) STRONTIUM SUBSTITUTED BIOACTIVE GLASSES DOWNREGULATE EXOGENOUS OSTEOPOINTIN EXPRESSION Candarlioglu P, Gentleman E, O'Donnell M, Stevens MM Imperial College London	(22.O3) GENERATION OF AN ENHANCED ANGIOGENIC CELL POPULATION FOR CELL TRANSPLANTATION IN ISCHEMIC DISEASE Hou C, Kuraitis D, Zhang Y, Vulesevic B, Sofrenovic T, Marier J, Ruel M, Suuronen EJ University of Ottawa Heart Institute	(47.O1) POROUS POLY(METHYL METHACRYLATE) CONSTRUCTS FOR OSSEOUS SPACE MAINTENANCE AND INFECTION CONTROL Shi M, Spicer PP, Demian N, Wong ME, Mikos AG, Kasper FK Rice University	(38.O3) INFLUENCE OF IN VIVO MICROENVIRONMENT ON COLLAGEN HYDROGEL INDUCING MESENCHYMAL STEM CELL CHONDROGENESIS Luo H, Li K, Guo L, Zhang XD Sichuan University	(50.2.O5) ROLE OF CK15 P27 AND P18 IN THE PATHOGENESIS OF MULTIPLE ENDOCRINE NEOPLASIA TYPE 1 Belar O, Castaño L, Rivera JM, Gaztambide S, de la Hoz C Universidad del País Vasco, Bizkaia, Spain		
12:45-13:45	LUNCHTIME Student-meet-mentor session							

ROOM	MACHADO	PICASSO	MACHUCA	GARCÍA LORCA	ALBÉNIZ	ANDALUCIA II
SYMPOSIA AND SESSIONS	BIOFUNCTIONAL MATERIALS AS EXTRACELLULAR SIGNALS TO PROMOTE TISSUE MORPHOGENESIS	BIOFABRICATION FOR REGENERATIVE MEDICINE APPLICATIONS	INNOVATIONS IN STEM CELL-BASED CARDIAC TISSUE ENGINEERING	TRANSLATIONAL BONE ENGINEERING	RELEVANT MODELS FOR PRE-CLINICAL EVALUATION ON THE PATH TO CLINICAL TRANSLATION	SEHIT SATELLITE MEETING: 3. NEUROSCIENCES
13:45-14:00	(3.04) DYNAMIC SURFACES TO INFLUENCE STEM CELL DIFFERENTIATION Roberts, JN, Burchmore, RJ, Uljin, RV, Dalby, MJ University of Glasgow	(2.KP) BIOFABRICATION OF TISSUES FOR CLINICAL TRANSLATION Yoo JJ Wake Forest Institute for Regenerative Medicine	(22.04) THE CAPACITY OF THE EXTRACELLULAR MATRIX FOR ENHANCING CARDIAC DIFFERENTIATION OF MESENCHYMAL STEM CELLS Resnikoff JJ, Williams C, Black III LD Tufts University	(47.02) MOBILIZATION OF BONE MARROW-DERIVED ENDOTHELIAL AND PERIVASCULAR PRECURSORS IN AN ECTOPIC MODEL OF BONE REGENERATION Tasso R, Molino E, Rosillo C, Reverberi D, Cancedda R University of Genova, Genova, Italy	(38.04) RAT WOUND MODELS TO TEST THE EFFICACY OF A HEPARAN SULFATE MIMETIC IN PROMOTING WOUND REGENERATION van Neck JW, Tuk B, Hekking JM, Fijneman EM, Tong M Erasmus MC, Rotterdam, the Netherlands	(50.3.07) EXPERIENCE AND SENSORY ACTIVITY-DEPENDENT MODIFICATIONS IN SYNAPTIC STRUCTURE: LESSONS FROM AUDITORY NEURONS Juiz JM, Caminos E, García-Pino E Instituto de Investigación en Discapacidades Neurológicas-IDINE; Universidad de Castilla-La Mancha, Albacete, Spain
14:00-14:15	(3.05) MUSCLE GRAFT OPTIMISATION PRIOR TO IMPLANTATION: SCAFFOLD ARCHITECTURE AND FUNCTIONALISATION INFLUENCE CELL DIFFERENTIATION Guex G, Fortunato G, Körner E, Carrel TP, Tevaearai HT, Giraud MN Inselspital; Empa	(2.01) USE OF SILK FIBROIN AS A SUBSTRATUM FOR HUMAN CORNEAL ENDOTHELIUM TRANSPLANTATION Madden PW, George KA, Lai JNX, Rodriguez G, Harkin DG, Chirila TV Queensland Eye Institute	(22.05) PROGRESS IN THE DEVELOPMENT OF STRUCTURED BIOMATERIAL PATCHES FOR CARDIAC TISSUE ENGINEERING Boccaccini AR, Rai R University of Erlangen-Nuremberg	(47.03) VEGF-EXPRESSING MSC FOR RAPID VASCULARIZATION OF TISSUE-ENGINEERED BONE GRAFTS Helmrich U, Güven, Scherberich A, Heberer, Martin I, Banfi A, Melly L University Hospital Basel	(38.05) REGULATION OF NITRIC OXIDE LEVELS BY THE NITRIC OXIDE DONOR LA419 AS A POSSIBLE STRATEGY FOR STROKE'S TREATMENT Pozo-Rodríguez A, Fernández AP, Serrano J, Mourelle M, Martínez-Murillo R CSIC, Madrid, Spain	(50.3.01) MECHANISM OF ENDOCANNABINOIDS AEA AND 2AG ON APOPTOSIS IN PERINATAL HYPOXIC-ISCHEMIC INJURY: NEUROPROTECTION OR NEUROPROLIFERATION? Lara-Celador I, Castro L, Hilario E, Álvarez-Granda L, Lacalle J, Arteaga O, Alonso D, Álvarez A University of Basque Country
14:15-14:30	(3.06) EFFECT OF LINE PATTERNED CHITOSAN ON CORTICAL NEURAL CELLS Mattotti M, Delgado L, Planell JA(1), Conrado A, Alcántara S, Engel E Institute for Bioengineering of Catalonia-IBEC, Barcelona, Spain	(2.02) MODULAR TISSUE FORMATION WITH CONFORMALLY COATED THERMO-RESPONSIVE RIGID MICRO-TEMPLATES Tekin H, Tsinman T, Ozaydin-Ince G, Gleason KK, Demirel MC, Langer R, Khademhosseini A Massachusetts Institute of Technology	(22.06) HUMAN ENDOMYOCARDIAL BIOPSY DERIVED ADHERENT PROLIFERATING CELLS FOR CARDIAC TISSUE ENGINEERING - IN VITRO AND IN VIVO DATA Ringe J, Haag M, Van Linthout S, Stolk M, Seifert M, Tschöpe C, Sittinger M Charité-Universitätsmedizin Berlin, German	(47.04) MOLECULAR ACTORS INVOLVED IN TUBULAR-LIKE NETWORK FORMATION IN HUMAN BONE MARROW STROMAL CELL AND HUMAN UMBILICAL VEIN ENDOTHELIAL CELL COCULTURES Li H, Daculsi R, Grelhier M, Bareille R, Bourget C, Remy M, Amedee J INSERM 577, Bordeaux	(38.06) TISSUE ENGINEERING OF NASAL SEPTAL CARTILAGE: DEVELOPMENT OF A NOVEL ORTHOTOPIC ANIMAL MODEL Rotter N, Bermueller C, Baur N, Elsaesser A, Notbohm H, Schwarz S Ulm University	(50.3.02) MELATONIN ADMINISTRATION REDUCES HYPOXIC-ISCHEMIC INDUCED CELL DEATH AND GLIAL INJURY Alonso-Alconada D, Álvarez A, Arteaga O, Lara-Celador I, Lacalle J, Hilario E University of the Basque Country, Leioa, Vizcaya, Spain
14:30-14:45	(3.07) RESPONSE OF NEURAL CELLS TO DIFFERENT TYPES OF POLYLACTIC ACID Álvarez Z, Castaño O, Planell JA, Alcántara S, Engel E Institute for Bioengineering of Catalonia	(2.03) LASER-ASSISTED BIOPRINTING: A TECHNOLOGY FOR DEALING WITH TISSUE COMPLEXITY Guillemot, Kériquel, Guillotin, Souquet, Catros, Fontaine, Bareille, Rémy, Fricain Amédée INSERM U1026; University of Bordeaux	(22.07) 3D VISUALIZATION OF UNLABELED TRANSPLANTED STEM CELL IN INFARCTED RAT HEART BY HIGH-RESOLUTION X-RAY MICROTOMOGRAPHY Giuliani A, Rossini A, Frati C, Manescu A, Gaetano C, Cavalli S, Quaini F, Capogrossi MC, Rustichelli F Università Politecnica delle Marche, Ancona, Italy	(47.05) VARIABILITY OF CD146 SURFACE EXPRESSION AND HETEROTOPIC BONE FORMATION OF HUMAN BONE MARROW-DERIVED MESENCHYMAL STEM CELLS Janicki P, Egermann M, Richter W Orthopedic University Hospital Heidelberg, Germany	(38.07) A NOVEL CELL-LINE MODEL SYSTEM FOR MOUSE CARDIAC PROGENITOR (CPC) CELLS Freire A, Nascimento DS, Forte G, Valente M, Carvalho I, Nardo PD, Pinto-do-Ó P INEB-Instituto de Engenharia Biomédica, Porto, Portugal	(50.3.03) AMYLOID b IMPAIRS cGMP PATHWAY, SYNAPTIC EXPRESSION OF AMPA RECEPTORS AND LONG-TERM POTENTIATION IN HIPPOCAMPUS. PROTECTIVE ROLE OF IBUPROFEN Monfort P, Felipo V, Gómez-Pinedo U, Hernández-Rabaza V, Carda C Universidad de Valencia
14:45-15:00	(3.08) USE OF ACELLULAR WHOLE PIG LUNG AS A SCAFFOLD FOR STEM CELL BASED PRODUCTION OF ENGINEERED LUNG TISSUE Cortiella J, Melo E, Niles J, Nichols JE University of Texas Medical Branch	(2.04) FABRICATING SMALL DIAMETER, BRANCHED VASCULAR SYSTEMS BY COMBINING INKJET PRINTING AND MULTIPHOTON POLYMERIZATION Kluger PJ, Borchers KA, Refle O, Engelhard S, Meyer W, Novosel EC, Graf C, Bierwisch C, Schuh C, Seiler N, Wegener M, Krüger H, Jaeger R, Hirth T, Gillier A and Tovar GEM Fraunhofer Institute for Interfacial Engineering and Biotechnology, Germany	(22.08) CONTROLLED VEGF EXPRESSION IN A CARDIAC PATCH IMPROVES VASCULARIZATION AND CARDIAC FUNCTION FOLLOWING MYOCARDIAL INFARCTION Marsano A, Luo J, Mайдhof R, Morales A, Fujikara K, Banfi A, Vunjak-Novakovic G University Hospital Basel, CH, Konofagou E	(47.06) VASCULARIZED TISSUE ENGINEERED BONE USING DIRECTLY AUTO-TRANSPLANTED MESENCHYMAL STEM CELLS AND BMP-2 IN THE AV-LOOP SHEEP MODEL Boos AM, Beier JP, Loew JS, Weigand A, Kneser U, Horch RE University Hospital of Erlangen	(38.08) USE OF A LARGE FEMORAL BONE DEFECT IN A RAT MODEL FOR ASSESSMENT OF BONE FORMING CAPACITY OF VARIOUS BIOACTIVE SCAFFOLDS Hulsart-Billström G, Jonsson K, Bergman K, Hilborn J, Larsson S Uppsala University, Sweden	(50.3.04) AUTOMATED IMAGE ANALYSIS OF STEM CELL-RELATED GENE SOX2 EXPRESSION IN NEUROBLASTOMA Piqueras M, Gómez MC, Tadeo I, Navarro S, Noguera R University of Valencia, Spain
15:00-15:15	(3.09) SURFACE PATTERNING IN STEM CELL DIFFERENTIATION Tan Lay Poh, Tay Chor Yong, Yu Haiyang Nanyang Technological University, Singapore	(2.05) NOVEL APPROACH TO AUTOMATING AND SCALING UP PRODUCTION OF COLLAGEN BASED SCAFFOLDS FOR THERAPY AND SCREENING Drake RAL, Kaasi A, Purser MH, Brown RAB, Cameron GWW The Automation Partnership	(22.09) EVALUATION OF A COLLAGEN MATRIX FOR GENERATION OF AN ANGIOGENIC POPULATION AND AS A VEHICLE FOR CIRCULATING PROGENITOR CELL DELIVERY IN A PORCINE MODEL OF MYOCARDIAL ISCHEMIA Giordano C, Kuraitis D, Thorn S, Renaud J, Al-Atassi T, Da Silva J, De Kemp RA, Beanlands RS, Suuronen EJ, Ruel M University of Ottawa Heart Institute	(47.08) NOGGIN RESISTANT PROTEIN N445T AT LOW DOSES MAINTAINED A HIGH REGENERATIVE CAPACITY Ellinghaus A, Schwarz C, Demel M, Lienau J, Seemann P, Willie BM, Duda GN Charité - Universitätsmedizin Berlin, Germany	(38.09) COMBINATION OF MRI AND 99mTc-NTP 15-S SPECT FOR THE ASSESSMENT OF INTERVERTEBRAL DISC DEGENERATION AND TISSUE ENGINEERING Clouet J, Colombier P, Miot-Noirault E, Vidal A, Cachin F, Vinatier C, Fusellier M, Fellah B, Gauthier O, Chezal J-M, Grimandi G University of Nantes, France	(50.3.05) MICROSCOPIC, MULTIFOCAL AND PANGENOMIC STUDIES: ADVANTAGES IN NEUROBLASTOMA PROGNOSIS Berbegall AP, Villamón E, Piqueras M, Tadeo I, Navarro S, Noguera R University of Valencia, Valencia, Spain
15:15-15:30	(3.010) NOVEL PEPTIDE-BASED SCAFFOLDS CARRYING HEPARIN-DERIVED SIGNALS FOR TISSUE REGENERATION Mammadov R, Mammadov B, Toksoz S, Aydin B, Tekinay AB, Guler MO, Yagci R Bilkent University	(2.06) DEVELOPMENT AND IN VITRO DEGRADATION OF PLA/PEG/CaP GLASS BIODEGRADABLE SCAFFOLDS BY RAPID PROTOTYPING Serra T, Navarro M, Planell JA Institute for Bioengineering of Catalonia (IBEC)	(22.010) THE EFFECTS OF THREE DIMENSIONAL CULTURE AND STRAIN ON THE BEHAVIOR OF CARDIOMYOCYTE PROGENITOR CELLS van Marion M, van der Schaft D, Goumans MJ, Baaijens F, Bouten C Eindhoven University of Technology	(47.09) EFFICIENT BONE TISSUE ENGINEERING – COMPARISON OF DYNAMIC AND STATIC CULTURE CONDITIONS FOR SEVERAL TYPES OF BIOMATERIALS Wójtowicz J, Chrosicka A, Leszczynska J, Lewandowska-Szumiel M Medical University of Warsaw	(38.010) STUDYING MECHANISMS INVOLVED IN ARTICULAR CARTILAGE REPAIR USING AN OSTEOCHONDRAL CULTURE MODEL de Vries - van Melle ML, Mandl EW, Kops N, Koevoet JLM, Verhaar JAN, van Osch GJVM Erasmus MC, University Medical Center	(50.3.06) CHANGES IN GLIAL IMMUNOSTAINING IN THE COCHLEAR NUCLEUS AFTER BILATERAL COCHLEAR ABLATION IN ADULT RATS Fuentes-Santamaría V, Alvarado Romero JC, Jareño Flores T, Juiz Gómez JM University of Castilla-La Mancha
15:30-15:45	(3.011) AUTOLOGOUS SCAFFOLDS FOR SKELETAL MUSCLE TISSUE ENGINEERING Elowsson L, Kirsebom H, Carmignac V, Durbeek M, Mattiasson B Lund University, Sweden					
15:45-16:15	COFFEE BREAK					
16:15-17:15	PLENARY SESSION – Room García Lorca A. ATALA "Regenerative Medicine: New Approaches to Healthcare"					

ROOM	ANDALUCIA II	PICASSO	MACHUCA	GARCÍA LORCA	ALBÉNIZ	MACHADO
SYMPOSIA AND SESSIONS	EUROSTEC: PROGRESS AND FUTURE ASPECTS OF SOFT TISSUE ENGINEERING FOR CHILDREN	BIOFABRICATION FOR REGENERATIVE MEDICINE APPLICATIONS	MECHANICAL BEHAVIOUR OF CELLS, SCAFFOLDS, AND ENGINEERED TISSUES	TRANSLATIONAL BONE ENGINEERING	THE EXTRACELLULAR MATRIX IN TISSUE ENGINEERING: PASSIVE OR ACTIVE PLAYER?	BIOINTERFACIAL ENGINEERING IN REGENERATIVE MEDICINE
17:15-17:30	(19.KP) multiTERM: TRAINING MULTIDISCIPLINARY SCIENTISTS FOR TISSUE ENGINEERING AND REGENERATIVE MEDICINE, A MARIE CURIE INITIAL TRAINING NETWORK. KEYNOTE PRESENTATION Oosterwijk E Radboud University Medical Centre, Nijmegen, Netherlands	(2.07) MICROWELL SCAFFOLDS FOR EXTRAHEPATIC ISLET OF LANGERHANS TRANSPLANTATION IN TYPE 1 DIABETES Buitinga M, de Koning EJP, Engelse MA, Loomans CJM, Truckenmüller R, Moroni L, van Blitterswijk CA, van Apeldoorn AA, Karperien M University of Twente, the Netherlands	(27.016) CHARACTERIZATION OF ALGINIC ACID-COATED PLLA-PLGA FOAMS FOR POTENTIAL USE IN TISSUE ENGINEERING OF THE MENISCUS Bahcecioglu G, Halili-Ndreu A, Hasirci N, Hasirci V METU, Center of Excellence on Biomaterials and Tissue Engineering, Ankara, Turkey	(47.010) IS THERE AN ALTERNATIVE TO ALLOGRAFT AND AUTOGRAFT IN BONE TISSUE ENGINEERING? Bassi A, Gough J, Downes S The University of Manchester	(42.KP) VASCULAR EXTRACELLULAR MATRIX AND VESSEL WALL DEVELOPMENT Mecham RP Washington University School of Medicine, St. Louis, USA	(4.KP) IMPLEMENTING REGENERATIVE MEDICINE AND TISSUE ENGINEERING TECHNIQUES WITH SURGICAL IMPLANTS Peramo A University of Michigan
17:30-17:45		(2.08) MICROFLUIDICS FABRICATION OF SELF-ASSEMBLED POLYSACCHARIDE - PEPTIDE MICROCAPSULES FOR CELL THERAPY Mendes AC, Baran ET, Reis RL, Azevedo HS 3B's Research Group, Portugal	(27.017) FABRICATION AND MECHANICAL CHARACTERIZATION OF A NOVEL THREE-DIMENSIONAL CELL-SEEDED COLLAGEN/HYDROXYAPATITE OSTEOCHONDRAL SUBSTITUTE Gervaso F, Scalera F, Padmanabhan SK, Licciulli A, Sannino A, Deponi D, Di Giancamillo A, Peretti GM University of Salento, Lecce, Italy	(47.011) REGENERATIVE FACIAL RECONSTRUCTION OF TERMINAL STAGE OSTEOADENOCARCINOMA AND OTHER ADVANCED CRANIOFACIAL DISEASES WITH ADULT CULTURED STEM AND PROGENITOR CELLS Caridad JM, Vidal Fayos F Polusa Clinic		
17:45-18:00	(19.01) HUMAN ECCRINE SWEAT GLAND CELLS CAN RECONSTITUTE A STRATIFIED EPIDERMIS Biedermann T, Pontiggia L, Böttcher-Haberzeth S, Brazilius E, Schiestl C, Meuli M, Reichmann E University Children's Hospital, Zurich, Switzerland	(2.09) FABRICATION OF A CUSTOMIZED TISSUE ENGINEERING SCAFFOLD FOR BREAST RECONSTRUCTION Wiggerhauser PS, Melchels FPW, Hutmacher DW, Machens HG, Ong FR, Scharntz JT Technische Universitaet Muenchen	(27.018) EFFECT OF SUBSTRATE STIFFNESS AND PHYSICO-CHEMICAL PROPERTIES ON HUMAN MESENCHYMAL STEM CELL ACTIVITY IN 3D SCAFFOLDS Hendrikson WJ, Verdonschot N, Koopman HFJM, Moroni L, Van Blitterswijk CA, Rouwkema J University of Twente, the Netherlands	(47.013) A CLINICAL STRATEGY TO CONCENTRATE ASPIRATED BONE MARROW FOR SKELETAL STEM CELLS TO ENHANCE SKELETAL REGENERATION Dawson JJ, Smith JO, Aarvold A, Ridgway JN, Curran SJ, Dunlop DG, Oreffo ROC University of Southampton	(42.01) ENGINEERING THE GROWTH FACTOR MICROENVIRONMENT WITH FIBRONECTIN DOMAINS TO PROMOTE TISSUE HEALING Martino MM, Tortelli F(1), Müller R, Livne E, Eming SA, Hubbell JA Ecole Polytechnique Fédérale de Lausanne	(4.01) IN VIVO ENDOTHELIALIZATION OF CARDIOVASCULAR IMPLANTS USING DNA-OLIGONUCLEOTIDES FOR ENHANCED CELL ADHESION Schleicher M, Hansmann J, Bentsian E, Kluger PJ, Liebscher S, Huber AJ, Fritze O, Schenke-Layland K, Schille C, Wallies H, Wendel HP, Stock UA University Hospital, Tübingen, Germany
18:00-18:15	(19.02) DEVELOPMENT OF A NEW IN SITU PIG BLADDER MODEL USING TISSUE ENGINEERING TECHNIQUES Geutjes PJ, Janssen DAW, Odenthal J, Heesakkers JPPA, Schalken JA, van Kuppevelt TH, Feitz WFJ Radboud Univ Nijmegen Med. Centre, Netherlands	(2.010) 3D-STRUCTURING OF POLY(VINYL ALCOHOL)-BASED PHOTOPOLYMERS Stampfl J, Schwentenwein M, Heller C, Varga F, Russmüller G, Liska R TU Wien	(27.019) VALIDATION OF THE EFFECT OF WALL SHEAR STRESS ON CELL ADHESION FOR A PERFUSION BIOREACTOR MATHEMATICAL MODEL Hidalgo-Bastida LA, Spencer TJ, Halliday I, Care CM, Cartmell SH The University of Manchester	(47.015) BIOMATERIAL IMPREGNATION WITH BONE STRESS ASPIRATE: DOES IT LIVE UP TO THE PROMISE? Eder C, Falkner E, Meissner J, Tuschel A, Becker P, Ogon M Orthopedic Hospital Vienna	(42.02) ENHANCED IN VITRO PRODUCTION OF ENDOTHELIAL CELL MATRIX BY MACROMOLECULAR CROWDING Cheng J, Raghunath M, Warren LP University of New South Wales	(4.02) A FUNCTIONALLY GRADED SCAFFOLD THAT MIMICS AN ORTHOPAEDIC INTERFACE AND CELLULAR RESPONSE THEREOF Samavedi S, Goldstein AS, Whittington AR Virginia Polytechnic Institute and State University
18:15-18:30	(19.03) IN VIVO IMPLANTATION OF HIGH-DENSITY COLLAGEN GEL TUBES FOR URETHRAL REPAIR IN A RABBIT MODEL Micol LA, Arenas LF, Geutjes PJ, Hubbell JA, Feitz WFJ, Frey P École Polytechnique Fédérale de Lausanne, Switzerland	(2.011) BIOFABRICATION OF THREE-DIMENSIONAL COMPLEX CONSTRUCTS VIA MAGNETIC DIRECTED MICROGEL ASSEMBLY Xu F, Rengarajan V, Finley TD, Sung Y, Sridharan B, Demirci U Harvard Medical School	(27.020) MECHANICAL PROPERTIES EVOLUTION OF A PLGA/PLCL KNITTED SCAFFOLD IN CULTURE CONDITIONS Kahn C, Ziani K, Zhang YM, Liu J, Delsa N, Babin J, Tran N, Wang X Nancy-Université, France	(47.016) CELL DIMENSION IS DIRECTLY CONTROLLED BY CELLULAR FUNCTION IN OSTEOGENESIS LINEAGE Zouani OF, Cheng ZA, Durrieu MC Univ. Victor Segalen Bordeaux 2, France	(42.03) ENGINEERING DECELLULARIZED POLYMERIC-BASED HYBRID CONSTRUCTS FOR BONE TISSUE ENGINEERING APPLICATIONS Sadr N, Pippenger BE, Wendt D, Scherberich A, Neunschwander P, Bonavoglia E, Mantero S, Martin I, Papadimitropoulos A Massachusetts Institute of Technology, USA	(4.03) TAILORING OF SURFACE PROPERTIES AT THE NANOSCALE BY LAYER-BY-LAYER TECHNIQUE Chiono V, Carmagnola I, Boccafocchi F, Gentile P, Tonda-Turo C, Camacho Leal MDP, Ciardelli G Politecnico di Torino, Italy
18:30-18:45	(19.04) BLADDER AUGMENTATION USING MULTIPLE SCAFFOLDS IN ONE BLADDER AND GROWTH FACTORS IN A PORCINE MODEL Roelofs LAJ, Geutjes PJ, de Gier RPE, Farag F, Tiemessen TM, Oosterwijk E, Versteeg EMM, Daamen WF, van Kuppevelt TH, Kortmann BBM, Feitz WFJ Radboud Univ Nijmegen Med. Centre, Netherlands	(2.012) TISSUE ENGINEERED CARTILAGE FROM HUMAN BONE MARROW MESENCHYMAL STEM CELLS SEEDED IN PLGA/SOX-TRIO GEL IN VITRO Kim HJ, Im GI Dongguk International Hospital	(27.021) DEVELOPMENT OF A NOVEL COLLAGEN-BASED COMPOSITE BIOMATERIAL FOR CARTILAGE DEFECT REPAIR: COMPOSITIONAL AND STRUCTURAL OPTIMISATION Matsiko A, Levingstone TJ, O'Brien FJ, Gleeson JP Royal College of Surgeons in Ireland	(47.017) SCAFFOLD-GUIDED BONE REGENERATION OF CRITICALLY-SIZED DEFECTS IN SHEEP TIBIA Cipitria A, Reichert JC, Schell H, Lange C, Lange C, Wagermaier W, Mehta M, Fratzl P, Hutmacher DW, Duda GN Charité - Universitätsmedizin Berlin, Germany	(42.04) COLLAGEN I SCAFFOLD SEEDED WITH VALVE INTERSTITIAL CELLS, A PROMISING APPROACH FOR HEART VALVE TISSUE ENGINEERING Straka F, Filova E, Masin J, Tseng YT, Schornik D, Honsova E, Lodererova A, Bacakova L, Pirk J Institute for Clinical and Experimental Medicine Prague, Czech Republic	(4.04) ADJUSTING THE ORIENTATION OF TROPOELASTIN: TARGETING CELL ADHESION TO SPECIFIC POLYMER SURFACE LOCATIONS Weiss AS, Bax DV, McKenzie DR, Bilek MMM University of Sydney
18:45-19:00	(19.05) LARGE DIAMETER TUBULAR CONSTRUCTS FOR TISSUE ENGINEERING: SCAFFOLD PREPARATION, CHARACTERIZATION AND CYTOCOMPATIBILITY Hoogenkamp HR, Daamen WF, Walraven M, Tiemessen TM, Oosterwijk E, van Kuppevelt TH, Geutjes PJ, Feitz WFJ Radboud Univ Nijmegen Med. Centre, Netherlands	(2.013) CELL PRINTING FOR 3D TISSUES Zhang T, Zhang L, Zhang R, Lin F, Hamid Q, Snyder J, Wang C, Sun W Tsinghua University, Beijing, P.R. China	(27.022) PROBING MECHANICAL PROPERTIES OF DECELLULARIZED LUNG MATRIX WITH ATOMIC FORCE MICROSCOPY Melo E, Luque T, Cortiella J, Nichols J, Farre R, Navajas D Universitat Barcelona-CIBERES	(47.018) COLLAPAN IS A BIOCOMPOSITE MATERIAL FOR REPLACEMENT OF BONE DEFECTS AND ACTIVIZATION OF REPARATIVE OSTEOGENESIS IN BONE SURGERY Berchenko GN, Kesyan GA Central Institute of Traumatology and Orthopaedics, Moscow, Russia	(42.05) AORTIC HEART VALVE PREPARED FROM HUMAN PERICARDIUM UNDER STATIC AND DYNAMIC CONDITIONS Filova E, Straka F, Lodererova A, Honsova E, Masin J, Chlup H, Horny L, Vesely J, Kronek J, Gultova E, Schornik D, Pirk J, Bacakova L Institute of Physiology, Prague, Czech Republic	(4.05) COPPER STIMULATES THE OSTEOGENIC DIFFERENTIATION OF MESENCHYMAL STEM CELLS Burghardt I, Lüthen F, Prinz C, Neumann HG, Rychly J University of Rostock
19:00-19:15	(19.06) ESOPHAGUS TISSUE ENGINEERING: IN-SITU GENERATION OF RUDIMENTARY ESOPHAGEAL CONDUIT USING THE FETAL MODEL Saxena AK, Baumgart H, Tauchmann K, Wiederstein I, Ainoedhofer H, Höllwarth ME Medical University of Graz, Austria	(2.014) INNOVATIVE THREE-DIMENSIONAL PLATFORM FOR COMBINATORIAL ANALYSIS OF CELL/BIOMATERIALS INTERACTIONS Salgado CL, Oliveira MB, Mano JF 3B's Research Group, Portugal	(27.023) EFFECTS OF DYNAMIC MECHANICAL FORCES ON HUMAN MESENCHYMAL STEM CELL THERAPY PRODUCTS Nikolaev NI, Liu Y, Hussein H, Williams DJ Loughborough University, UK	(47.019) NON-VIRAL GENE THERAPY (SONOPORATION) FOR ORTHOTOPIC BONE REGENERATION Feichtinger GA, Hofmann AT, Schützenberger S, Zanon G, Redl H, McHaleAP, van Griensven M Ludwig Boltzmann Institute for Experimental and Clinical Traumatology	(42.06) USING NATURAL EXTRACELLULAR MATRIX PLATFORMS TOWARDS ENGINEERING OF THICK CARDIAC-LIKE TISSUE CONSTRUCTS Sarig U, Machluf M Technion - Israel Institute of Technology	(4.06) A NEW GDF-5 MUTANT MEDIATING SUPERIOR TABECULAR AND CORTICAL BONE FORMATION IN A CRITICAL SIZE DEFECT RABBIT MODELL Holschbach J, Kleinschmidt K, Plöger F, Glockenmeier J, Kretzer JP, Richter W Orthopaedic University Hospital Heidelberg
19:15-19:30	(19.07) EVALUATION OF LARGE TUBULAR CONSTRUCTS FOR URINARY DIVERSION IN PIGS Geutjes PJ, Roelofs LAJ, Hoogenkamp HH, Walraven M, Kortmann BBM, de Gier RPE, Farag FF, Tiemessen DM, Oosterwijk E, Daamen WF, van Kuppevelt TH, Feitz WFJ Radboud Univ Nijmegen Med. Centre, Netherlands	(2.015) ACOUSTICS DIRECTED MICROPARTICLE ASSEMBLY FOR BIOMEDICAL APPLICATIONS Xu F, Gurkan UA, Finley TD, Türkaydin M, Yavuz AS, Demirci U Harvard Medical School	(27.024) MECHANICAL EVALUATION OF NANO-CELLULOSE CONSTRUCTS DESIGNED FOR TISSUE-ENGINEERING OF AURICULAR CARTILAGE Nimeskern L, Martinez H, Gatenholm P, Müller R, Stok KS, ETH Zürich, Switzerland	(47.020) BIOMATERIALS RELEASING CALCIUM MODULATE OSTEOGENIC DIFFERENTIATION OF MESENCHYMAL STEM CELLS IN VITRO AND BONE FORMATION IN VIVO González A, Schlaubitz S, Catros S, Fricain JC, Navarro M, Amedee J, Planell J, Engel E IIBEC and CIBER-BBN	(42.07) DECREASED MECHANICAL PROPERTIES OF HEART VALVE TISSUE CONSTRUCTS CULTURED IN PLATELET LYSATE AS COMPARED TO FETAL BOVINE SERUM van Geemen, D, Riem PV, Soekhradj - Soehbit, RS, Sluijter, JPG, de Liefde - van Beest, M, Kluijn, J, Bouten, CVC Eindhoven University of Technology	(4.07) BIODEGRADABLE DISULFIDE-CATIONIC POLYMER FOR THE GENE THERAPY OF RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSA Aied A, Cao H, Dong Y, Zheng Y, Pandit A, Wang W NUI, Galway
19:30-19:45		(2.016) MANDIBULAR RECONSTRUCTION USING AN AXIALLY VASCULARIZED TISSUE ENGINEERED CONSTRUCT Eweida AM, Nabawi AS, Marei MK, Khalil MR, Elhammady HA University of Alexandria, Egypt	(27.025) GENERATION OF A SCAFFOLD WITH HUMAN BLOOD PLASMA AND SODIUM ALGINATE FOR THE GROWTH OF FIBROBLASTS Malagón D, Hernández N, Cardozo C, Godoy R Universidad Nacional de Colombia	(47.021) OSTEOGENIC PROPERTIES OF OSTEOBLAST-LIKE CELLS LOADED ON STARCH POLY(e-CAPROLACTONE) FIBER MESHES IN A RAT CRITICAL-SIZED CRANIAL DEFECT Link DP, Gardel LS, Corrolo VM, Gomes ME, Reis RL 3B's Research Group, Portugal	(42.08) TROPOELASTIN: CELL INTERACTIONS IN TISSUE ENGINEERING Weiss AS University of Sydney, Australia	(4.08) MULTI-SCALE, HIERARCHICALLY POROUS PLLA/POROUS TITANIUM HYBRIDS FOR TRACHEA REPLACEMENT Vrana NE, Dupret-Bories A, Chaubaroux C, Schultz P, Debry C, Coraux C, Vautier D, Lavalle P Institut National de la Santé et de la Recherche Médicale, France
19:45-20:15	TERMIS-EU Council meeting – Room Andalucia II					

THURSDAY 9

8:30-9:30 PLENARY SESSION – Room García Lorca P. SHARPE: "Stem cell-mediated regeneration and repair of teeth"

ROOM	MACHADO	PICASSO	ALBÉNIZ	MACHUCA	GARCÍA LORCA	ANDALUCIA II	ANDALUCIA III
SYMPOSIA AND SESSIONS	PLACENTAL TISSUES - A NEW AVENUE IN REGENERATIVE MEDICINE	MODULATING IN VITRO MICROENVIRONMENTS TO LET CELLS THRIVE: FROM PATHOLOGY TO PHYSIOLOGY AND THERAPY	ENGINEERED HYDROGELS (AND STEM CELLS) FOR TISSUE REGENERATION	INJECTABLE SCAFFOLDS	NEURAL TISSUE REGENERATION	SEHIT SATELLITE MEETING: 4. TISSUE ENGINEERING	INDUSTRY DAY
9:30-9:45	(34.KP) PLACENTAL TISSUES – OPENING NEW DOORS IN REGENERATIVE MEDICINE Parolini O, Cargnoni A, Ressel L, Rossi D, Magatti M Fondazione Poliambulanza, Brescia, Italy	(29.KP) BUILDING THE STEM CELL MICROENVIRONMENT IN VITRO - PLEIOTROPIC EFFECTS OF MACROMOLECULAR CROWDING Raghunath M National University of Singapore	(15.KP) MICROENGINEERED HYDROGELS FOR STEM CELL BIOENGINEERING AND TISSUE REGENERATION Khademhosseini A Brigham and Women’s Hospital, USA	(21.KP) THIOL-ENE CLICK GELS AS IN SITU FORMING, CELLULARLY-DEGRADABLE BIOMATERIALS Anseth KS, Fairbanks BD, Mariner PD, Bowman CN University of Colorado and HHMI	(32.KP) MULTIPLE BIOMATERIAL IMPLANTS AND NEURO TISSUE ENGINEERING Schlosshauer B, Hartmann H, Doser M, Pego A, Fattal E, Wiberg M, Kjemis J NMI, Reutlingen, Germany	(50.4.01) SKIN KERATINOCYTE DIFFERENTIATION POTENTIALITY OF ADIPOSE TISSUE, DENTAL PULP AND UMBILICAL CORD WHARTON’S JELLY MSCS. A COMPARATIVE STUDY Garzón I, Miyaki JA, Martín-Piedra MA, Oliveira ACX, Sánchez-Quevedo M University of Granada, Spain	REGENERATIVE MEDICINE: ACADEMIC PERSPECTIVE ON TRANSLATIONAL RESEARCH James Yoo Institute for Regenerative Medicine, Wake Forest University
9:45-10:00							
10:00-10:15	(34.01) CARTILAGE REGENERATION USING MESENCHYMAL STROMAL CELLS FROM THE FETAL MEMBRANES OF HUMAN TERM PLACENTA Jaramillo-Ferrada P, Wolvetang E, Cooper-White J The University of Queensland	(29.02) THE ROLE OF RETINOIC ACID RECEPTOR INHIBITOR LE135 ON OSTEOCHONDRAL DIFFERENTIATION OF HUMAN BONE MARROW MESENCHYMAL STEM CELLS Li Z, Yao SJ, Alini M, Stoddart MJ AO Foundation, Davos, CH	(15.01) FABRICATION OF HYDROGEL FIBER BUNDLES FROM ASSEMBLY OF POLYELECTROLYTES Coutinho DF, Sant S, Shakiba M, Gomes ME, Neves NM, Reis RL, Khademhosseini A 3B’s Research Group, Portugal	(21.01) THE EFFECTS OF FERULIC ACID ON NUCLEUS PULPOSUS CELLS UNDER HYDROGEN PEROXIDE-INDUCED OXIDATIVE STRESS Cheng YH, Lin FH National Taiwan University, Taiwan, R.O.C.	(32.01) SCAFFOLD-DRIVEN REGENERATIVE THERAPY FOR THE SPINAL CORD INJURY - BIOMIMETING NEUROGENESIS IN THE CNS Pego AP, Mar FM, Rocha DN, Amaral IF, Lopes C, Veiga D, Neiva I, Ferreira AR, Abranches E, Beckman E, Henrique D, Sousa MM Universidade do Porto, Portugal	(50.4.02) CELL THERAPY INHIBITS CONTRACTION DURING REPAIRING PROCESS IN CUTANEOUS DEFECTS Martín-López J, García-Hondurilla N, Cifuentes-Negrete A, Trejo CG, Prieto C, Bellón JM, Buján J University of Alcalá, Madrid, Spain	REGENERATIVE MEDICINE - TRANSLATING RESEARCH INTO COMMERCIALY SUCCESSFUL THERAPEUTICS - FROM BENCH TO BEDSIDE Chris Mason University College London
10:15-10:30	(34.02) HUMAN AMNIOTIC FLUID STEM CELLS (hAFSCs) ARE ABLE TO RECRUIT HOST’S PROGENITOR CELLS AFTER IN VIVO IMPLANTATION AND SECREAT ANGIOGENIC FACTORS Mirabella T, Poggi A, Scaranari M, Cilli M, Carlone S, Cancedda R, Gentili C University of Genova, Italy	(29.03) CONTROL OF ANGIOGENIC SIGNALLING BY STEM CELLS IN 3D TISSUE MODELS Cheema U, Alekseeva T, AbouNeel EA, Brown RA UCL Tissue Repair and Engineering Centre, London, UK	(15.02) ENGINEERED STARPEG-HEPARIN HYDROGELS ARE EFFECTIVE MULTI FACTOR DELIVERY MATRICES TO PROMOTE ANGIOGENESIS Freudenberg U, Zieris A, Chwalek K, Prokoph S, Levental KR, Welzel PB, Werner C Leibniz Institute of Polymer Research, Dresden, Germany	(21.02) PHAGOCYTOSIS BY ACTIVATED MACROPHAGES Browne S, Helary C, Holladay C, Matthew A, Wang W, Pandit A NFB, NUIG	(32.02) AN IN VIVO PLATFORM FOR CELL MIGRATION AND TOPOGRAPHICAL GUIDANCE OF AXONS Daly W, Abu-Rub M, Doody J, Zeugolis D, O’Connell C, Yao L, Windebank T (3,1), Pandit A (3,1) NFB	(50.4.03) SATELLITE CELLS AND CAPILLARIES: TOPOLOGICAL RELATIONS IN REGENERATING SKELETAL MUSCLE Luque E, Jimena I, Agüera E, Jiménez-Reina L, Leiva-Cepas F, Peña J Universidad de Córdoba, Spain	
10:30-10:45	(34.03) AMNIOTIC MEMBRANE OPPOSES TGFβ SIGNALLING AND INDUCES C-JUN EXPRESSION IN HACAT CELLS. MOLECULAR LESSONS FROM THE RE-EPITHELIALISATION INDUCED BY AM IN DEEP LARGE-SURFACE WOUNDS Alcaraz A, López-Martínez C, Mrowiec A, García-Vizcaíno E, Monfort A, Izeta A, Moraleda JM, Insausti C, Nicolás FJ Hospital Universitario Virgen de la Arrixaca, Murcia, Spain	(29.04) PRINTING ANISOTROPIC CELL MICROENVIRONMENT FOR TISSUE ENGINEERING Gurkan UA, Xu F, Sung Y, Sridharan B, Yavuz AS, Demirci U Harvard Medical School	(15.03) IMMOBILIZATION OF BIOMOLECULES ON HYDROGEL SURFACES WITH DIFFERENT STIFFNESSES FOR THE MODULATION OF (ADULT) STEM-CELL FATE Zouani OF, Kalisky J, Ibarboure E, Labrugère C, Mehdi A, Durrieu MC INSERM	(21.03) THERMOREVERSIBLE HYALURONAN-BASED HYDROGELS FOR NUCLEUS PULPOSUS TISSUE ENGINEERING Peroglio M, Eglin D, Sprecher CM, Illien-Junger S, Grad S, Alini M AO Research Institute Davos	(32.03) ALIGNED POLYCAPROLACTONE FIBRES FOR PERIPHERAL NERVE REPAIR Haycock J, Daud M Sheffield University	(50.4.04) NEUROPHYSIOLOGICAL NERVE REGENERATION USING THREE-DIMENSIONAL NEURAL CONSTRUCTS WITH ADIPOSE TISSUE-DERIVED STEM CELLS Garrido-Gómez J, García García S, Carriel V, Hernández-Cortés P, Alaminos M, Torres-Barroso J, Campos A University Hospital San Cecilio, Granada, Spain	TRANSLATING CELLULAR THERAPIES INTO VIABLE CLINICAL TREATMENTS. CASE STUDY: THE NHS PARTNERSHIP EXPERIENCE FOR THE DELIVERY OF CELL THERAPIES Simon Ellison National Health Service (NHS)
10:45-11:00	(34.04) ENDOTHELIAL DIFFERENTIATION POTENTIAL OF AMNION-DERIVED MESENCHYMAL STROMAL CELLS König J, Huppertz B, Dohr G, Parolini O, Lang I Medical University of Graz, Austria		(15.04) HYDROGEL-BASED MICROFLUIDICS FOR TISSUE ENGINEERING Tocchio A, Martello F, Tamplenizza M, Gassa F European School of Molecular Medicine (SEMM), Milano, Italy	(21.04) IN SITU FORMING HYALURONIC ACID HYDROGEL FOR NUCLEUS PULPOSUS REGENERATION: RHEOLOGICAL PROPERTIES AND GENE EXPRESSION EVALUATION Chen YC, Su WY, Lin FH National Taiwan University	(32.04) BIOMIMETIC PEPTIDE SCAFFOLDS FOR NEURAL REGENERATION Mammadov B, Guler MO, Tekinay AB Bilkent University	(50.4.05) QUALITY CONTROL STUDY OF GLASS IONOMER CEMENT IN AN “IN VITRO” EXPERIMENTAL MODEL OF HUMAN GINGIVAL FIBROBLASTS Rodríguez IA, Rodríguez MA, Rozas CA, Ferraris ME, Uribe Echevarría J, Campos-Sánchez F, Ingrid Garzón Universidad Nacional de Córdoba, Argentina	
11:00-11:15	COFFEE BREAK						
11:15-11:30							
11:30							

ROOM	MACHADO	PICASSO	ALBÉNIZ	MACHUCA	GARCÍA LORCA	ANDALUCIA II	ANDALUCIA III
SYMPOSIA AND SESSIONS	PLACENTAL TISSUES - A NEW AVENUE IN REGENERATIVE MEDICINE	MODULATING IN VITRO MICROENVIRONMENTS TO LET CELLS THRIVE: FROM PATHOLOGY TO PHYSIOLOGY AND THERAPY	ENGINEERED HYDROGELS (AND STEM CELLS) FOR TISSUE REGENERATION	INJECTABLE SCAFFOLDS	NEURAL TISSUE REGENERATION	SEHIT SATELLITE MEETING: 5. LEARNING AND TEACHING HISTOLOGY AND TISSUE ENGINEERING	GROWTH FACTORS & REGENERATIVE MEDICINE. PALIFERMIN (KEPIVANCE/KGF) IS A GROWTH FACTOR WITH MANY POTENTIAL USES, BUT STILL ONLY APPROVED FOR TREATMENT OF ORAL MUCOSITIS IN A SMALL SUBSET OF PATIENTS. WHY? Maarten de Chateau Swedish Orphan Biovitrum (SOBI)
11:30-11:45	(34.05) IMMUNE PORPERTIES AND REGENERATIVE POTENTIAL OF HUMAN MESENCHYMAL STEM CELLS DERIVED FROM UMBILICAL CORD TISSUE Eissner G, Hollweck T, Hartmann I, Reichart B, Überfuhr P Munich University Medical Ctr	(29.05) MODULATION OF THE IN VITRO MICROENVIRONMENT OF CORNEAL KERATOCYTES USING MACROMOLECULAR CROWDING Kumar P, Satyam A, Ritter T, Raghunath M, Pandit A, Zeugolis D National University of Ireland, Galway, Ireland	(15.05) PRODUCTION OF ENGINEERED ALGINATE BASED MICROCAPSULES FOR CELL IMMUNOISOLATION CONTAINING EXTRACELLULAR MATRIX COMPONENTS Mazzitelli S, Johnson S, Badylak SF, Nastruzzi C University of Ferrara, Italy	(21.05) A NOVEL BIOSYNTHETIC HYDROGEL FOR SURGICAL APPLICATIONS Godek ML, Lavigne K, Mast N, Skalla W, Throm A, Mayotte J, Bushnell R, Bennett S Covidien	(32.05) 3D MICRO-STRUCTURED COLLAGEN CONDUITS FOR NERVE REPAIR Karamsadkar S, Alekseeva T, Bunting S, Stomati K, Cheema U, Georgiou M, Phillips JB, Brown RA, Priestley JV UCL Tissue Repair & Engineering Centre, London, UK	(50.5.01) NEW MULTIMEDIA RESOURCES FOR LEARNING HISTOLOGY AND ITS USE IN E-LEARNING Pedrosa JA, del Moral ML, Hernández R, Molina F, Rus MA University of Jaén	
11:45-12:00	(34.06) TISSUE ENGINEERING A FETAL MEMBRANE Mi S, David A, Chowdhury B, Jones RR, Hamley IW, Connon CJ University of Reading	(29.06) THE OXYGEN ENVIRONMENT REGULATES BOTH THE CHONDROGENIC AND OSTEOGENIC POTENTIAL OF BONE MARROW DERIVED MESENCHYMAL STEM CELLS. Sheehy EJ, Buckley CT, Kelly DJ Trinity College Dublin	(15.06) FORMATION OF HARVESTABLE CELL AGGREGATES IN RESPONSIVE HYDROGEL MICROWELLS FOR HIGH-THROUGHPUT SYSTEMS Tekin H, Anaya M, Nauman C, Langer R, Khademhosseini A Massachusetts Institute of Technology	(21.06) THE EFFECT OF INCUBATION TIME OF PREFORMED INJECTABLE HYDROGELS ON BONE FORMATION WHEN USED AS CARRIER FOR rhBMP-2 Hulsart-Billström G, Bergman K, Bowden T, Engstrand T, Hilborn J, Larsson S Department of Orthopaedics	(32.06) ALIGNED FIBRIN AND SCHWANN LIKE CELLS: A READY-TO-USE NERVE CONDUIT Schuh CMAP, Banerjee A, Mosia S, Hopf R, Grasl C, Schima H, Van Griensven M, Schmidhammer R, Redl H, Rünzler D, Morton TJ University of Applied Sciences Technikum Wien, Vienna, Austria	(50.5.02) STRENGTHENING THINKING ABILITIES; A MULTI-MEDIA EXERCISE OF MEANINGFUL EVALUATION AND FEEDBACK LEARNING. "EPITHELIAL TISSUE IN MY PATIENT" Valencia Villa GJ, Ruiz-Sauri A, Escalante EL, Gómez Balcazar K, Visbal Spirko L, Carda Batalla C, Peydró Tomas S, Martín de Llano JJ Universidad Del Norte Barranquilla, Colombia	STEM CELLS FOR NEUROINDICATIONS. CASE STUDY: ReN001 STEM CELL THERAPY FOR THE TREATMENT OF PATIENTS LEFT DISABLED BY THE EFFECTS OF A STROKE Paul Stroemer ReNeuron
12:00-12:15	(34.07) NON-CLASSICAL TYPE I HLAS AND B7 COSTIMULATORS REVISITED: ANALYSIS OF EXPRESSION AND IMMUNOMODULATORY ROLE IN UNDIFFERENTIATED AND DIFFERENTIATED MSC ISOLATED FROM HUMAN UMBILICAL CORD WHARTON'S JELLY Lo Iacono M, Anzalone R, Corrao S, Zummo G, Farina F, La Rocca G Università degli Studi di Palermo, Italy	(29.07) A BIOREACTOR PROTOTYPE FOR SUBJECTING CULTURED CELLS TO FAST-RATE INTERMITTENT HYPOXIA Tsapikouni T, Garreta E, Melo E, Navajas D, Farre R University of Barcelona-CIBERES	(15.07) ENGINEERING A MSC SEEDED FIBRIN HYDROGEL CONTAINING TGF-BETA 1 LOADED GELATIN MICROSPHERES FOR CARTILAGE REPAIR Ahearne M, Buckley CT, Kelly DJ Trinity College Dublin	(21.07) INJECTABLE GELLAN GUM-BASED HYDROGELS FOR INTERVERTEBRAL DISC REGENERATION Silva-Correia J, Oliveira JM, Caridade SG, Oliveira JT, Sousa RA, Reis RL 3B's Research Group, Portugal	(32.07) EVALUATION OF A FIBRIN GEL FOR TRANSPLANTATION OF EMBRYONIC STEM-DERIVED NEUROPROGENITORS INTO THE INJURED SPINAL CORD Amaral IF, Ferreira AR, Veiga D, Rocha D, Mar F, Abanches E, Bekman E, Sousa M, Henrique D, Pego AP Universidade do Porto, Portugal	(50.5.03) USEFULNESS OF "SYLLABUS OF HISTOLOGY" TO IMPROVE THEORETICAL TEACHING IN HISTOLOGY Jimena I, Luque E, Leiva-Cepas F, López-Martos R, Rubio A, Peña J Universidad de Córdoba, Spain	
12:15-12:30	(34.08) ROLE OF POLYURETHANE FOAMS IN SUPPORTING PROLIFERATION AND OSTEOBLAST DIFFERENTIATION OF PLACENTA-DERIVED MESENCHYMAL STEM CELLS Bertoldi S, Fare S, Rossi D, Haugen HJ, Parolini O, Tanzi MC Politecnico di Milano	(29.08) THE EFFECT OF ELECTRICAL STIMULATION ON HUMAN MESENCHYMAL STEM CELL BEHAVIOUR Balint R, Cassidy NJ, Cartmell S University of Manchester, UK	(15.08) EVALUATION OF POLYELECTROLYTE BASED SCAFFOLDS FOR MSCs HEART THERAPY Ceccaldi C, Girod S, Alfarano C, Cussac D, Parini A, Sallerin B CIRIMAT	(21.08) SELF-ASSEMBLED B-SHEET PEPTIDE HYBRID POLY (γ-GLUTAMIC ACID) HYDROGELS Clarke DE, Pashuck III TE, Gentilini C, Stevens MM Imperial College London	(32.08) TUNING POLY(TRIMETHYLENE CARBONATE-CO-E-CAPROLACTONE) FIBERS FOR NERVE REGENERATION Pires LR, Guarino V, Barrias CC, Ambrosio L, Pêgo AP INEB	(50.5.04) STUDENTS OBJECTIVES FOR PRACTICAL HISTOLOGY IN HEALTH SCIENCES CURRICULA González-Andrades M, Galán-Muros MV, Arias-Santiago S, Carriel V, Garzón I, Martín-Piedra MA, Alaminos M University of Granada, Spain	CLINICAL EVALUATION OF REGENERATIVE MEDICINE THERAPIES. CASE STUDY: REGENERATIVE MEDICINES FOR SPINAL CORD INJURED PATIENTS - THE EXPERIENCE OF A PRINCIPAL CLINICAL INVESTIGATOR Michael Fehlings University of Toronto
12:30-12:45	(34.09) MASSIVE POST-TRAUMATIC WOUNDS INDUCED EPITHELIALISATION BY AMNIOTIC MEMBRANE Insausti C, Alcaraz A, García-Vizcaino E, Mrowiec A, López-Martínez C, Blanquer M, Piñero A, Majado M, Moraleda JM, Castellanos G, Nicolás FJ HUVA, Murcia, Spain	(29.09) HYPOXIA CHANGES THE CHEMOKINE EXPRESSION PROFILE AND MIGRATORY POTENTIAL OF HUMAN BONE MARROW-DERIVED MESENCHYMAL STROMAL CELLS IN-VITRO Wobus M, Jing D, Müller K, Ehninger G, Bornhäuser M University Hospital Carl Gustav Carus, Dresden, Germany	(15.09) OPTIMISING MICROGEL NICHES TO INFLUENCE MESENCHYMAL STEM CELL DIFFERENTIATION Fontana G, Collin E, Aburub M, Pandit A National University of Ireland, Galway	(21.09) BIOCOMPATIBLE ALGINATE BASED HYDROGELS WITH ADJUSTABLE GELLING AND RESORPTION RATE Melvik JE, Larsen HS NovaMatrix/FMC Biopolymer	(32.09) INVESTIGATION ON THE PROPERTIES OF POLY-ε-CAPROLACTONE SOLVENT CASTED FILMS AFTER SURFACE MODIFICATION AS A POTENTIAL MATERIAL FOR NERVE REGENERATION De Luca AC, Terenghi G, Downes S The University of Manchester	(50.5.P8) UPDATING OF THE NEUROHISTOLOGY IN TEACHING/LEARNING González Gallo B, Recio Rincón C Departamento de Biología Celular. Fac. de Biología. Universidad Complutense de Madrid	
12:45-13:45	LUNCHTIME TERMIS-EU previous/future conference chairs meeting – V.I.P. Room						

ROOM	GARCÍA LORCA	PICASSO	ALBÉNIZ	MACHUCA	MACHADO	ANDALUCIA II	ANDALUCIA III
SYMPOSIA AND SESSIONS	CARTILAGE	EXTRACELLULAR MATRIX: FROM DEVELOPMENT BIOLOGY AT TISSUE ENGINEERING	ENGINEERED HYDROGELS (AND STEM CELLS) FOR TISSUE REGENERATION	INJECTABLE SCAFFOLDS	ENGINEERING BIOMIMETIC SCAFFOLDS FOR IN VITRO STUDIES AND REGENERATIVE THERAPIES	SEHIT SATELLITE MEETING: 5. LEARNING AND TEACHING HISTOLOGY AND TISSUE ENGINEERING	INDUSTRY DAY
13:45-14:00	(8.KP) THE TREATMENT WITH AUTOLOGOUS CHONDROCYTES IS NOWADAYS THE ONLY TECHNIQUE THAT REPLICATES THE NORMAL CARTILAGE AFTER A LESION Guillén-García P Clínica CEMTRO, Madrid, Spain	(20.KP) EXTRACELLULAR MATRIX REMODELLING DURING DECIDUALIZATION IN RODENTS Zorn TMT Universidade de São Paulo, Brazil	(15.O10) ROLE OF GLYOXALASE 1 IN DEFECTIVE ISCHEMIA-INDUCED NEOVASCULARIZATION IN DIABETES Vulesevic B, McBane J, Geoffrion M, Milne R, Suuronen EJ University of Ottawa Heart Institute, Canada	(21.O11) DOSE- AND TIME-DEPENDENT ANGIOGENESIS BY CONTROLLED DELIVERY OF MATRIX-BOUND VEGF Sacchi V, Wolbank S, Martino M, Hofmann A, Hubbell J, Banfi Andrea Basel University Hospital	(17.KP1) DESIGNING SMART BIOMATERIALS TO INSTRUCT STEM CELL FATE Lutolf MP EPF Lausanne, Switzerland	(50.5.06) BOLOGNA AND HISTOLOGY Carrascal E, Arévalo M University of Salamanca, Spain	REGULATION OF ADVANCED THERAPIES: OVERCOMING REGULATORY HURDLES. THE EMEA PERSPECTIVE Sol Ruiz Committee for Advanced Therapies, EMEA
14:00-14:15			(15.O11) MULTI-MATERIAL PRINTING FOR HETEROGENEOUS TISSUE SCAFFOLDS Koc B, Ozbolat IT Sabanci University	(21.O12) IN-SITU CROSS-LINKED HYDROGEL FROM THERMORESPONSIVE PEG-BASED HYPERBRANCHED COPOLYMER Dong Y, Zheng Y, Hassan W, Abu-Rub M, Pandit A, Wang W National University of Ireland, Galway, Ireland			
14:15-14:30	(8.O1) ANISOTROPIC FIBROUS TISSUE SCAFFOLDS FOR ARTICULAR CARTILAGE REGENERATION McCullen S, Autefage H, Callanan A, Stevens M Imperial College London	(20.O1) UPREGULATED EXTRACELLULAR MATRIX COMPONENTS DURING JAW PERIOSTEAL CELL OSTEOGENESIS Ardjomandi N, Klumpp F, Hoffmann J, Reinert S, Friedrich DA University of Tuebingen, Germany	(15.O12) CONTROLLED RELEASE OF STROMAL CELL-DERIVED FACTOR-1 FOR ENHANCED PROGENITOR CELL RESPONSES IN ISCHEMIA Kuraitis D, Zhang P, McEwan K, Sofrenovic T, Zhang Y, McKee D, Zhang J, Griffith M, Cao X, Ruel M, Suuronen EJ University of Ottawa Heart Institute	(21.O13) INJECTABLE POLOXAMINE-BASED GELS FOR SUSTAINED DELIVERY OF rhBMP-2 Rey-Rico A, Diz-Lojo M, Couceiro-Follente J, Alvarez-lorenzo C, Concheiro-Nine A Universidad de Santiago de Compostela	(17.O1) DIFFERENTIATION OF PRE-OSTEOBLAST CELLS ON POLY(ETHYLENE TEREPHTHALATE) GRAFTED WITH RGD AND/OR BMPs MIMETIC PEPTIDES Zouani OF, Chanseau C, Durrieu MC Univ. Victor Segalen Bordeaux 2, France	(50.5.07) USING MOODLE AS A TOOL TO SUPPORT TEACHING HISTOLOGY Gayoso MJ Universidad de Valladolid, Spain	PANEL: TRANSLATING ACADEMIC RESEARCH INTO COMMERCIAL PRODUCTS REALIZING THE POTENTIAL OF ACADEMIC/INDUSTRY RESEARCH COLLABORATIONS --- THE MULTISTEM STORY Robert Mays Athersys BUSINESS EXPERIENCE: TRANSITION FROM AN ACADEMIC CONCEPT TO A CLINICAL STAGE REGENERATIVE MEDICINE COMPANY Rahul Aras Juventas Therapeutics:
14:30-14:45	(8.O2) INFLUENCE OF CONDITIONED MEDIUM OVER THE CHONDROGENIC DIFFERENTIATION OF ADULT STEM CELLS IN 3D CO-CULTURES WITH ARTICULAR CHONDROCYTES Alves da Silva MA, Costa-Pinto AR, Correlo V, Sol P, Bhattacharya M, Faria S, Reis RL, Neves NM 3B's Research Group, Portugal	(20.O2) MATRIX METALLOPROTEASE-MEDIATED CAPILLARY TUBE FORMATION IN COCULTURE OF HUMAN BONE MARROW STROMAL CELLS AND HUMAN UMBILICAL VEIN ENDOTHELIAL CELLS Li H, Daculsi R, Bourget C, Bareille R, Remy M, Amedee J University Victor Segalen Bordeaux 2	(15.O13) MULTIGRAIENT HYDROGELS TO DECODE EXTRINSIC REGULATION OF HEMATOPOIETIC STEM CELL FATE Mahadik B, Wheeler TD, Kenis PJA, Harley BA University of Illinois at Urbana Champaign, USA	(21.O14) CIRCULATING PROGENITOR CELL VIABILITY AND COLLAGEN HYDROGEL PROPERTIES ARE DEPENDENT ON THE INTERACTIONS BETWEEN THE CELLS AND THE BIOMATERIAL McEwan, K, Deng C, Vulesevic B, Kuraitis D, Suuronen EJ University of Ottawa Heart Institute, Canada	(17.O2) EFFECT OF SUBSTRATE STIFFNESS AND FIBRONECTIN ACTIVITY ON HMSC DIFFERENTIATION González-García C, Moratal D, Oreffo ROC, Dalby MJ, Salmerón-Sánchez M Universidad Politécnica de Valencia, Spain		
14:45-15:00	(8.O3) IN VIVO EVALUATION OF A NOVEL OSTEOCHONDRAL SCAFFOLD FOR CONTROL ENDOTHELIAL CELLS BEHAVIOR Levingstone T, Schepens A, Thompson E, Matsiko A, O'Brien F, Gleeson J Royal College of Surgeons in Ireland	(20.O3) DEVELOPMENT OF NOVEL TYPE FIBRINOGEN/PDLA NANOFIBERS FOR CONTROL ENDOTHELIAL CELLS BEHAVIOR Gugutkov D, Sánchez MS, Altankov G Institute for Bioengineering of Catalonia (IBEC), Barcelona, Spain	(15.O14) IN VIVO EVALUATION OF ANGIOGENIC FACTORS IN A COLLAGEN-CHITOSAN MATRIX AS A POTENTIAL ISLET TRANSPLANT SITE McBane JE, Vulesevic B, Ellis C, Korbutt G, Suuronen EJ University of Ottawa Heart Institute, Canada	(6.O6) TEXTURAL PROPERTIES AND IN VIVO RESPONSE OF CALCIUM PHOSPHATES CEMENTS-BLOOD COMPOSITE Mellier C, Fellah BH, Gauthier O, Rochet N, Bujoli B, Janvier P, Boulter JM University of Nantes, France	(17.O3) SELF-ASSEMBLING BIOMIMETIC MATRICES: OPPORTUNITIES FOR RESEARCH AND THERAPIES IN SKIN REGENERATION Ferreira DS, Marques AP, Reis RL, Azevedo HS 3B's Research Group, Portugal	(50.5.08) MEANING OF THE LECTURE IN THE BOLONIA PROCESS. "A SPECIES IN DANGER OF EXTINCTION" Pérez de Vargas I University of Malaga, Spain	INNOVATIVE ANIMAL COMPONENT-FREE SURFACE FOR THE CULTIVATION OF HUMAN EMBRYONIC STEM CELLS - THE VOICE OF A COMMERCIAL CULTUREWARE PROVIDER Thomas Stelzer Thermo Fisher Scientific
SYMPOSIA AND SESSIONS				NANOTECHNOLOGY AND REGENERATIVE MEDICINE			
15:00-15:15	(8.O4) FIBRIN SCAFFOLD WITH GROWTH FACTORS-ENRICHED NANOFIBERS ENHANCED OSTEOCHONDRAL REGENERATION IN MINIATURE PIGS Filova E, Rampichova M, Vajner L, Lytvynets, Mickova A, Martinova L, Motlik J Uhlík J, Amler E Institute of Experimental Medicine of the ASCR, Prague, Czech Republic	(20.O4) INFLUENCE OF PORES GEOMETRY AND ARCHITECTURE ON COLLAGEN 3D ASSEMBLING Stoppato M, Carletti E, Migliaresi C, Motta A University of Trento, Italy	(15.O15) MICRO-ENGINEERING VASCULAR-LIKE STRUCTURES BY MEANS OF ELECTROCHEMICAL CELL PRINTING IN PHOTO-CROSSLINKABLE HYDROGELS Sadr N, Zhu M, Osaki T, Kakegawa T, Moretti M, Fukuda J, Khademhosseini A Massachusetts Institute of Technology, USA	(31.KP) APPLICATION OF NANOCOMPOSITE MATERIALS AND STEM CELLS TO DEVELOPED CARDIOVASCULAR IMPLANTS Seifalian AM UCL, London, UK	(17.O4) EFFECT OF 3D-MICRO-ENVIRONMENT ON MICE CELLS' GENE EXPRESSION Fernández-Muñoz MT, Semino CE Universidad Ramón Llull, Barcelona, Spain		COMMERCIAL DEVELOPMENT OF REGENERATIVE MEDICINE THERAPEUTICS - IP ISSUES Roke Iñaki Oruezábal Andalusian Initiative for Advanced Therapies, Regional Ministry of Health
15:15-15:30	(8.O5) CELLS FROM SYNOVIAL FLUID: SOURCE OF AUTOLOGOUS CELLS FOR CARTILAGE TISSUE ENGINEERING? Maillard N, Grybek V, Merceron C, Portron S, Lesoeur J, Masson M, Weiss P, Guicheux J, Vinatier C Inserm U 791, LIOAD, Nantes, France	(20.O5) CARTILAGE MATRIX DEVELOPMENT IS ENHANCED IN CONSTRUCTS WITH LOW AGAROSE CONTENT IN PRESENCE OF TGF-β3 Kock LM, van Donkelaar CC, Ito K Eindhoven University of Technology, Netherlands	(15.O16) INNOVATIVE CROSSLINKED GELATIN HYDROGELS AS KEY SCAFFOLDS FOR ADIPOSE STEM CELLS DIFFERENTIATION Faré S, Gerges I, D'Ercole E, Altomare L, Tanzi MC Politecnico di Milano		(17.O5) MATRIX ENGINEERING TO LOCALLY CONTROL CELL FUNCTION AND FORMATION OF ARTIFICIAL TISSUES Sala A, Lienemann P, Kiveliö A, Metzger S, Lutolf MP, Ehrbar M, Vörös J, Weber F Eidgenössische Technische Hochschule (ETH) Zürich, Switzerland	(50.5.05) VIRTUAL HISTOLOGY TEACHING: IMPACT AND PERSPECTIVES López Muñoz A, Larrán López J Universidad de Cádiz	MANUFACTURING OF CELL THERAPY PRODUCTS - FROM BENCH TO BEDSIDE Mathieu Eglhoff Cardio3 Biosciences - ATMI Lifesciences
15:30-15:45	(8.O6) THE USE OF FIBROBLASTS FOR THE RECONSTRUCTION OF ANTERIOR CRUCIATE LIGAMENT: RESEARCH ON THE SHEEP ANIMAL MODEL López-Alcorocho JM, Guillén-García P, Rodríguez-Iñigo E, Guillén-Vicente I, Val-Garjio D, Guillén-Vicente M, Caballero-Santos R, García-Gómez F, Fernández-Jaén T, Arauz S, Abelow S Clínica CEMTRO, Madrid, Spain	(20.O6) FIBRIN MEMBRANE IN BONE FORMATION Goldberg P ABC Hospital	(15.O17) SELF-GENERATED CONSUMPTION GRADIENTS BY STEM CELLS IN 3D DETERMINE ANGIOGENIC SIGNALLING Cheema U, Mudera V UCL Tissue Repair and Engineering Centre, London, UK	(31.O1) NASAL SEPTUM HEALING PROCESS IS IMPAIRED BY DOUBLE WALL CARBON NANOTUBES IN SHEEP de Gabory L, Fricain JC, Flahaut E, Delmond S, Deminière C, Stoll D, Bordenave L Inserm U577	(17.O6) INFLUENCE OF CELL DENSITY ON VIABILITY AND GROWTH OF HUMAN PERIOSTEUM DERIVED CELLS IN POLYETHYLENE GLYCOL HYDROGELS Demol J, Rizzi SC, Van Oosterwyck H, Schrooten J Katholieke Universiteit Leuven, Belgium		
15:45-16:00	COFFEE BREAK						
16:00-16:15	INDUSTRY DAY						

ROOM	GARCÍA LORCA	PICASSO	ALBÉNIZ	MACHUCA	MACHADO	ANDALUCIA II	ANDALUCIA III
SYMPOSIA AND SESSIONS	CARTILAGE	MICROVASCULAR ENGINEERING	ESB - TERMIS SYMPOSIUM: BIOMECHANICS IN TISSUE ENGINEERING	NANOTECHNOLOGY AND REGENERATIVE MEDICINE	ENGINEERING BIOMIMETIC SCAFFOLDS FOR IN VITRO STUDIES AND REGENERATIVE THERAPIES	PHYSICAL METHODS AND TECHNIQUES FOR THE EVALUATION AND QUALITY CONTROL OF BIOMATERIALS AND ARTIFICIAL TISSUES	REGULATORY & FINANCING ISSUES OF THE CLINICAL DEVELOPMENT OF REGENERATIVE MEDICINE PRODUCTS Frédéric Chéreau Pervasis
16:15-16:30	(8.07) TREATMENT OF CHONDRAL DEFECTS WITH AUTOLOGOUS CHONDROCYTES OR MESENCHYMAL CELLS ON TYPE I/III COLLAGEN MEMBRANES IN THE OVINE MODEL Rodríguez-Iñigo E, Guillén-García P, López-Alcorocho JM, Guillén-Vicente M, Caballero-Santos R, Guillén-Vicente I, Santos-Molina E, García-Gómez F, Fernández-Jaén T, Arauz S, Abelow S Clínica CEMTRO, Madrid, Spain	(28.KP) ENGINEERING THE MICROCIRCULATION Hoying JB Cardiovascular Innovation Institute	(18.KP) MECHANOBIOLOGY OF CARTILAGE TISSUE ENGINEERING Raimondi MT Politecnico di Milano, Italy	(31.02) NANOTOPOGRAPHICAL MAINTENANCE OF MULTIPOTENT MESENCHYMAL STEM CELLS McMurray RJ, Gedegeard N, Kingham E, Oreffo ROC, Dalby MJ University of Glasgow	(17.07) BIOACTIVE COMPOSITE SCAFFOLDS MIMIC BONE TISSUE Gentile P, Mattioli-Belmonte M, Bairo F, Tonda-Turo C, Chiono V, Vitale-Brovarene C, Ciardelli G Politecnico di Torino, Italy	(33.KP) USING LIGHT TO QUANTITATIVELY MONITOR COMPOSITES DURING PHOTOCURING Prah SA Oregon University, USA	
16:30-16:45	(8.08) TOWARDS IN SITU THERAPY OF OSTEOARTHRITIS: CARTILAGE SPECIFIC CHEMOKINES AND THEIR ROLE IN HUMAN MESENCHYMAL STEM CELL MIGRATION Biens K, Dehne T, Karlsson C, Lindahl A, Sittlinger M, Ringe J Charité University Medicine, Berlin, Germany			(31.03) NANOCERIA PROTECTION AGAINST OXIDATIVE DAMAGE IN CARDIAC PROGENITOR CELLS Traversa E, Pagliari F, Mandoli C, Forte G, Pagliari S, Di Nardo P National Institute for Materials Science (NIMS)	(17.08) THE EFFECT OF NANOFIBER TOPOGRAPHY ON CELLULAR BEHAVIORS OF PRIMARY RAT ASTROCYTES IN VITRO Cao H, Marcy G, Goh ELK, Wang J, Chew SY Nanyang Technological University, Singapore		REGENERATIVE MEDICINE TRANSLATION CENTRE, A PARTNER FOR THE TRANSLATION INTO COMMERCIAL BREAKTHROUGH THERAPEUTICS. THE ANDALUSIAN EXPERIENCE Natividad Cuende Andalusian Initiative for Advanced Therapies, Regional Ministry of Health
16:45-17:00	(8.09) A SELF-SETTING HYDROGEL MECHANICALLY REINFORCED WITH A MARINE EXOPOLYSACCHARIDE AS A SCAFFOLD FOR CARTILAGE TISSUE ENGINEERING Rederstorff E, Weiss P, Sourice S, Collic-Jouault S, Fellah B, Masson M, Guicheux J, Vinatier C IFREMER/LOAD	(28.01) REGULATION OF CATHEPSIN ACTIVITY BY MONOCYTE-ENDOTHELIAL CELL INTERACTIONS: IMPLICATIONS FOR TISSUE REMODELING Platt MO, Keegan PM Georgia Institute of Technology	(18.01) BIOMECHANICAL CONCEPTS TO DESIGN PERFUSION BIOREACTOR FOR ENGINEERING BONE David B, Deschepper M, Petite H, Oddou C École Centrale Paris, France	(31.04) COMPARATIVE STUDY ON THE METHODS FOR DETERMINATION OF BONE YOUNG'S MODULUS USING AFM NANOINDENTATION Florea C, Dreucean M, Berdich K, Laasanen M, Halvari A Politehnica University of Timisoara	(17.09) FUNCTIONALLY GRADIENT COLLAGEN/NANO-HYDROXYAPATITE OSTEOCHONDRAL SCAFFOLDS Liu C, Dalgarno K, Birch M, McCaskie A Newcastle University, UK	(33.01) THREE-DIMENSIONAL ANALYSIS OF HEART VALVE SCAFFOLDS SEEDED WITH VASCULAR CELLS Akra B, Uhlig A, Haas U, Fano C, Hausherr JM, Herrmann C, Dauner M, Schmitz C, Reichart B Ludwig-Maximilian-University, Munich, Germany	
17:00-17:15	(8.010) IS SELF ASSEMBLY USING PROGENITOR CELLS A BETTER APPROACH TO ENGINEERING FUNCTIONAL CARTILAGE TISSUE THAN HYDROGEL ENCAPSULATION? Mesallati T, Buckley CT, Kelly DJ Trinity College Dublin, Ireland	(28.02) IMMOBILIZATION OF RECOMBINANT FIBRONECTIN FRAGMENTS ON CHITOSAN HOLLOWED POROUS SCAFFOLDS TO PROMOTE ENDOHELIALISATION Amaral IF, Neiva IR, Ferreira da Silva F, Sousa SR, Piloto AM, Barbosa MA, Kirkpatrick CJ Pêgo AP Universidade do Porto, Portugal	(18.02) THE INFLUENCE OF HYDROSTATIC PRESSURE ON THE CHONDROGENESIS OF MESENCHYMAL STEM CELLS EMBEDDED IN EITHER AGAROSE OR FIBRIN HYDROGELS Steward AJ, Thorpe SD, Vinardell T, Buckley CT, Wagner DR, Kelly DJ Trinity College Dublin, Ireland	(31.06) PERSPECTIVE OF ELECTROSPINNING TECHNOLOGY FOR NANOMEDICINE Kim GM University of Navarra	(17.010) CROSSLINKED GELATIN NANOFIBRE SCAFFOLDS FOR PERIPHERAL NERVE TISSUE ENGINEERING Tonda Turo C, Chiono V, Gentile P, Gnani S, Cipriano E, Zanetti M, Perroteau I, Ciardelli G University of Turin, Italy	(33.02) USING MACHINE LEARNING TECHNIQUES AND GENOMIC/PROTEOMIC INFORMATION FOR PROTEIN-PROTEIN CLASSIFICATION Urquiza J, Rojas I, Pomares H, Herrera LJ, Pérez-Florido J Universidad de Granada	PANEL: REGULATORY ISSUES AND CLINICAL TRIAL MANAGEMENT OF CELL BASED PRODUCTS THE CHONDROCELECT EXPERIENCE: DURABLE AND EFFECTIVE
17:15-17:30	(8.011) NATURAL CHITIN MATRICES, ISOLATED FROM MARINE SPONGES, AS SUITABLE 3D-SCAFFOLDS FOR CARTILAGE TISSUE ENGINEERING Steck E, Hoffmann M, Ehrlich H, Richter W Universitätsklinikum Heidelberg, Germany	(28.03) ENGINEERING A FUNCTIONAL MICROVASCULATURE WITHIN A DERMAL EPIDERMAL SKIN SUBSTITUTE Luginbühl JF, Marino D, Reichmann E University Children's Hospital, Zürich	(18.03) A NOVEL BIOREACTOR FOR THE SYSTEMATIC DEVELOPMENT OF FUNCTIONAL 3D SCAFFOLDS FOR IN SITU CARDIOVASCULAR TISSUE ENGINEERING Smits AIPM, Driessen-Mol A, Bouten CVC, Baaijens FPT Eindhoven University of Technology, Netherlands	(31.07) A GENE-ACTIVATED MATRIX TO ENHANCE ANGIOGENESIS DURING DERMAL REGENERATION Reckhenrich AK, Hopfer U, Machens HG, Plank C, Egaña JT Technische Universität München, Germany	(17.011) AFM INSIGHTS ON FIBRONECTIN BEHAVIOR AT THE CELL-MATERIAL INTERFACE González-García C, Salmerón-Sánchez M Universidad Politécnica de Valencia, Spain	(33.03) NANOSTRUCTURED FIBRIN-AGAROSE CORNEAL CONSTRUCT: RHEOLOGICAL PROPERTIES FOR POTENTIAL CLINICAL APPLICATION Ionescu AM, Cardona JC, Ghinea R, Durán JD, Alaminos M, Pérez MM University of Granada	TREATMENTS FOR CARTILAGE DAMAGE IN THE KNEE María Pascual TiGenix/Cellerix group
17:30-17:45	(8.012) STEM CELL SURFACE MARKER SSEA-4 SELECTS FOR CHONDROPROGENITORS WITH ENHANCED CHONDROGENIC POTENTIAL IN CULTURED HUMAN ARTICULAR CHONDROCYTES Schrobback K, Wröbel J, Huttmacher DW, Woodfield T, Klein TJ Queensland University of Technology, Brisbane, Australia	(28.04) MICROPATTERNING OF POLY (ETHYLENE TEREPHTHALATE) WITH PEPTIDES FOR INDUCTION OF VASCULARIZATION Lei YF, Remy M, Zouani OF, Chollet C, Chansseau C, Durrieu MC Université Victor Segalen Bordeaux 2, France	(18.04) EARLY STAGE rMSC DIFFERENTIATION CAN BE INDUCED BY FLUID FLOW IN THE ABSENCE OF OSTEOGENICALLY SUPPLEMENTED MEDIA McCoy RJ, Duffy G, O'Brien FJ Royal College of Surgeons in Ireland	(31.08) DEVELOPMENT OF CHITOSAN-BASED DELIVERY SYSTEM TO RECRUIT MESENCHYMAL STEM CELLS Goncalves R, Molinos M, Pereira AC, Antunes J, Barbosa M INEB	(17.012) LESS IS MORE- NEW BIOMIMETIC APPROACH TO CONTROL SPATIAL AND TEMPORAL CELL LOADING FOR TISSUE ENGINEERING Dan D, Wei L, Umber C, Vivek M, Ekterovs H, Yin C, Robert AB Shanghai Jiao-Tong University School of Medicine, China	(33.04) NON-INVASIVE QUALITY CONTROL FOR ISLET TRANSPLANTATION USING RAMAN SPECTROSCOPY Hilderink J, de Koning EJP, Engelse MA, Otto C, van Blitterswijk CA, van Apeldoorn AA, Karperien M University of Twente	ALLOGENEIC ADIPOSE DERIVED STEM CELLS FOR THE TREATMENT OF AUTOIMMUNE MEDIATED INFLAMMATORY DISEASES Eduardo Bravo Cellerix
17:45-18:00	(8.013) THE ROLE OF CELLULAR COMMUNICATION IN BONE MARROW DERIVED STROMAL CELL CHONDROGENIC DIFFERENTIATION Potier E, Rivron N, Van Blitterswijk C, Ito K Eindhoven University of Technology, The Netherlands	(28.05) ENGINEERING OF MICROVESSELS FOR THE SUPPLY OF CLINICALLY APPLICABLE TISSUE-TRANSPLANTS Walles T, Hansmann J, Pusch J, Dally I, Walles H Fraunhofer IGB	(18.05) THE EFFECTS OF FLOW-PERFUSION ON HYPERTROPHIC DIFFERENTIATION OF ENDOCHONDRAL BONE CONSTRUCTS Gawlitla D, Van Rijen MHP, Malda J, Dhert WJA University Medical Center Utrecht, The Netherlands	(31.09) EFFECT OF PDMS NANOPATTERNED SUBSTRATES ON EMBRYONIC STEM CELLS DIFFERENTIATION INTO NEURONAL LINEAGE Migliorini E, Grenzi G, Ban J, Tormen M, Torre V, Ruaro ME, Lazzarino M IOM-CNR laboratorio TASC	(17.013) BIOCOMPATIBILITY EVALUATION OF DIFFERENT BIO-INSPIRED SIC AND ITS UTILITY AS IMPLANTABLE DEVICES FOR PREVENTING STAPHYLOCOCCUS AUREUS INFECTIONS Díaz-Rodríguez P, Landin M, Couceiro R, Couceiro J, González P, Serra J, López-Álvarez M, León B Univ. Santiago, Spain	(33.05) TAILORABLE, HIGHLY-ALIGNED POLY-DL-T-GLUTAMIC ACID FOR LIGAMENT TISSUE ENGINEERING May JR, Gentilini C, Clarke DE, Stevens MM Imperial College London	TISSUE ENGINEERING BY SELF-ASSEMBLY: A NEW PARADIGM IN CARDIOVASCULAR REPAIR Nicolas L'Heureux Cytofra
18:00-18:15	COFFEE BREAK						
							THE SDF-1 STORY Rahul Aras Juventas Therapeutics

ROOM	GARCÍA LORCA	PICASSO	ALBÉNIZ	MACHUCA	MACHADO	ANDALUCIA II	ANDALUCIA III
SYMPOSIA AND SESSIONS	CARTILAGE	MICROVASCULAR ENGINEERING	ESB - TERMIS SYMPOSIUM: BIOMECHANICS IN TISSUE ENGINEERING	NANOTECHNOLOGY AND REGENERATIVE MEDICINE	ENGINEERING BIOMIMETIC SCAFFOLDS FOR IN VITRO STUDIES AND REGENERATIVE THERAPIES	PHYSICAL METHODS AND TECHNIQUES FOR THE EVALUATION AND QUALITY CONTROL OF BIOMATERIALS AND ARTIFICIAL TISSUES	GENERAL SESSION
18:15-18:30	(8.O14) PERIOSTEAL FLAP SUBSTITUTE FOR AUTOLOGOUS CHONDROCYTE IMPLANTATION Tai BCU, Du C, Wan ACA, Ying JY Institute of Bioengineering and Nanotechnology	(28.O6) DELAYED ADDITION OF HUMAN MESENCHYMAL STEM CELLS TO PRE-FORMED ENDOTHELIAL CELL NETWORKS PROMOTES VASCULARISATION WITHIN A COLLAGEN-GLYCOSAMINOGLYCAN SCAFFOLD Mc Fadden TM, Duffy GP, O'Brien FJ Royal College of Surgeons in Ireland	(18.O6) DAMPING PROPERTIES OF THE NUCLEUS PULPOSUS Pioletti D, Vogel A Laboratory of Biomechanical Orthopedics-EPFL, Netherlands	(31.O10) NANOMAGNETIC GENE TRANSFECTION: THE EFFICIENCY OF OSCILLATING MAGNET ARRAYS AND NANOPARTICLES FOR GENE DELIVERY Fouriki A, Clements MA, Farrow N, Dobson J University of Keele	(17.O14) DYNAMIC CULTURE OF ENDOTHELIAL CELLS ON NEW BIOFUNCTIONALIZED 3D-PRINTABLE POLYMERS FOR SMALL DIAMETER GRAFTS Novosel EC, Klechowicz N, Fischer A, Meyer W, Schuh C, Borchers K, Wegener M, Krüger H, Walles H, Hirth T, Tovar GEM, Kluger PJ University of Stuttgart, Germany	(33.O6) MICROFOCUS X-RAY COMPUTED TOMOGRAPHY BASED CHARACTERIZATION OF CALCIUM PHOSPHATE – STEM CELLS CONSTRUCTS COMBINED WITH EMPIRICAL MODELLING AS A TOOL FOR THE PREDICTION OF BONE FORMATION Kerckhofs G, Geris L (2,3,4), Roberts SJ, Braem A, Wevers M, Luyten FP, Schrooten J K.U.Leuven, Belgium	(49.O1) IN VITRO RECONSTRUCTION OF A LIVER-LIKE TISSUE POSSESSING A BILE TRANSPORT SYSTEM Katsuda T, Kojima N, Ochiya T, Sakai Y The University of Tokyo
18:30-18:45	(8.O15) COMPRESSIVE BIOMECHANICAL PROPERTIES OF A NEW BIO-COLLAGEN SCAFFOLD FOR CARTILAGE TISSUE ENGINEERING Elsaesser AF, Schwarz S, Koerber L, Seitz A, Duerselen L, Breiter R, Rotter N University Medical Center Ulm	(28.O7) ENGINEERING VASCULARIZED ALIGNED MUSCLE CONSTRUCTS USING MECHANICAL STRAIN Van der Schaft DWJ, van Spreuwel ACC, van Assen HC, Duits R, Baaijens FPT Eindhoven University of Technology, The Netherlands	(18.O7) INVESTIGATING THE POTENTIAL OF HIGH FREQUENCY LOW MAGNITUDE (HFLM) LOADING INTERVENTIONS FOR TENDON REPAIR USING A NOVEL IN-VITRO LOADING SYSTEM Adekanmbi I, Bboldashti NZ, Franklin S, Hulley P, Poulsen R, Thompson M University of Oxford, UK	(31.O11) MICROFLUIDIC PLATFORM FOR SIMULTANEOUS GENERATION OF FOUR INDEPENDENT GRADIENTS: TOWARDS HIGH THROUGHPUT SCREENING IN TISSUE ENGINEERING Harink B, Le Gac S, van Blitterswijk C, Habibovic P University of Twente, Netherlands	(17.O15) CHARACTERISTICS OF A BIODEGRADABLE POROUS PHB/PCL NERVE GUIDE CONDUIT BIOFUNCTIONALIZED WITH STAR-PEG HEPARIN HYDROGEL Hinüber C, Vogel R, Brünig H, Freudenberg U, Werner C Leibniz Institute of Polymer Research, Dresden, Germany	(33.O7) SELECTED ION FLOW TUBE MASS SPECTROMETRY AS A TOOL FOR MONITORING THE VOLATILE COMPOUNDS IN THE HEADSPACE ABOVE MESENCHYMAL STEM CELL CULTURES Chippendale T, Smith D, El Haj AJ, Španěl P, Hewitt CJ, Coopman K Keele University	(49.O2) HEPATOCYTE-EMBEDDED FUNCTIONAL HYDROGEL-FILLED SCAFFOLD SYSTEM FOR LIVER TISSUE ENGINEERING Ijima H, Shirakigawa N, Hou YT, Nakamura S, Takei T, Kawakami K Kyushu University
18:45-19:00	(8.O16) RECONSTRUCTION OF THE AURICLE WITH THE USE OF BACTERIAL CELLULOSE Feldmann EM, Sundberg JF, Schwarz S, Gatenholm P, Rotter N University Medical Center Ulm	(28.O8) CO-OPERATIVE INDUCTION OF VASCULAR AND OSTEOGENIC LINEAGES IN ENGINEERED BONE GRAFTS Correia C (1,3,4), Grayson WL, Park M, Hutton D, Guo XE, Niklason L, Sousa RA, Reis RL, Vunjak-Novakovic G Columbia University, New York, NY	(18.O8) STRAIN INDUCED REMODELLING OF POTENTIAL SCAFFOLDS FOR TISSUE ENGINEERED BLOOD VESSELS Campbell EM, Mackle JN, Gatenholm P, Lally C Dublin City University, Ireland	(31.O12) MECHANOTRANSDUCTION AND SKELETAL STEM CELL DIFFERENTIATION IN RESPONSE TO BIOACTIVE NANOTOPOGRAPHY Tsimbouri PM, Gadegaard N, Burgess K, Lally C University of Glasgow	(17.O16) HYBRID COMPOSITE SCAFFOLD CONSISTED OF POLYCAPROLACTONE MICROSTRUTS AND ELECTROSPUN COLLAGEN-NANOFIBERS Ahn SH, Jin G, Hong S, Lee JS, Kim GH Chosun University, Republic of Korea	(33.O8) LONG-TERM STORAGE OF ENGINEERED TISSUES VISUALIZATION OF CPA DIFFUSION IN COLLAGEN SCAFFOLDS Bernemann I, Spindler R, Manuchebrabadi N, Choi J, Wolkers W, Bischof J, Glasmacher B Leibniz Universitaet Hannover, Germany	(49.O3) EVALUATION OF HUMAN IMMUNE RESPONSE TO ACELLULAR LUNG SCAFFOLDS PRODUCED USING DIFFERENT METHODS Nichols J, Niles J, Cortiella J University of Texas Medical Branch
19:00-19:15	(8.O17) CARTILAGE TISSUE REPAIR FROM CLINICAL AND BIOMATERIALS PERSPECTIVE: DECELLULARIZED CARTILAGE AS A NOVEL BIO-MATRIX Schwarz S, Elsaesser AF, Koerber L, Breiter R, Rotter N University Medical Center Ulm	(28.O9) ENGINEERING A VASCULAR BED FOR IMPLANT PERFUSION: 'ROOFED-MICRO-CHANNELS' WITHIN DENSE COLLAGEN SCAFFOLDS Aleksieva T, Tan NS, Purser M, Brown RA UCL, London, UK	(18.O9) CREATING A MECHANICALLY FUNCTIONAL DESIGN FOR PARTIAL MENISCUS REPLACEMENT Ndreu A, Bahcecioglu G, Hasirci N, Hasirci V Center of Excellence on Biomaterials and Tissue Engineering, Ankara, Turkey	(31.O13) IN-SITU TISSUE ENGINEERING HEART VALVE: THE ROLE OF NANOTECHNOLOGY AND REGENERATIVE CAPACITY OF CIRCULATING PROGENITOR STEM CELLS Ghanbari H, Rahmani B, Kandoth S, Marashi SM, Kabir AMN, Burriesci G, Seifalian AM University College London, UK	(17.O17) MODULATION OF 3D-CULTURED HMSC BEHAVIOUR THROUGH CHANGES IN MATRIX PHYSICOCHEMICAL PROPERTIES Maia FR, Fonseca KB, Cruz FA, Granja PL, Barrias CC INEB/FEUP, Portugal	(33.O9) CONTRAST TRANSFER FUNCTION FOR EVALUATING THE OPTICAL QUALITY OF BIOENGINEERED HUMAN CORNEAL STROMA Guinea R, Cardona JC, Pozo AM, Ionescu AM, Rubiño AM, Alaminos M, Pérez MM University of Granada	(49.O4) LUNG INJURY AND REPAIR IN INFLUENZA INFECTED MOUSE MODEL Limmon GV, Zheng D, Yin L, Leung NHN, Rozen SG, Yu H, Chow VTK, Chen J Singapore-MIT Alliance for Research and Technology
19:15-19:30	(8.O18) TIME COURSE OF JOINT CARTILAGE REGENERATION USING POLY-ETHYL-ACRYLATE SCAFFOLDS IN RABBITS Sancho-Tello M, Martín de Llano JJ, Ruiz-Saurí A, Gastaldi P, Forriol F, Monleón-Pradas M, Gómez-Ribelles JL, Carda C. Univ. Valencia, Spain	(28.O10) DEVELOPMENT OF TISSUE-ENGINEERED VASCULAR GRAFTS USING NON-WOVEN PET SCAFFOLDS Moreno MJ, Mohebbi-Kalhorji D, Rukhlova M, Dimitrievska S, Bureau MN National Research Council of Canada	(18.O10) A MATHEMATICAL PERSPECTIVE ON MASS TRANSFER AND MECHANOTRANSDUCTION PHENOMENA IN TISSUE ENGINEERING Causin P, Sacco R University of Milano, Italy	(31.O14) HIGHLY MAGNETIC AND FLEXIBLE ACTUATOR FOR ARTIFICIAL MUSCLE APPLICATIONS Fuhrer R, Athanassiou EK, Luechinger NA, Stark WJ ETH Zurich, Switzerland	(17.O18) ELASTIC BIODEGRADABLE FIBRE-MESH SCAFFOLDS COATED WITH BIOMIMETIC CALCIUM PHOSPHATE (CAP) LAYERS FOR PROTEIN DELIVERY Susano M, Leonor IB, Reis RL, Azevedo HS 3B's Research Group, Portugal	(33.O10) FLUORESCENT MICROPARTICLE INCORPORATION IN CHONDROGENIC CELL AGGREGATES TO MONITOR LOCAL OXYGEN TENSION Lambrechts D, Kerckhofs G, Roberts SJ, Van de Putte T, Van Oosterwyck H, Schrooten J K.U.Leuven, Belgium	(49.O5) PORCINE ARTERIES DECELLULARIZATION Pellegata A, Asnaghi MA, Zonta S, Maestroni S, Zerbini G, Dell'Antonio G, Chiesa R, Mantero S Politecnico di Milano, Italy
19:30-19:45	(8.O19) REGULATION OF OSTEOGENIC AND CHONDROGENIC DIFFERENTIATION OF MESENCHYMAL PROGENITOR/STEM CELLS BY IL-1 β AND OXYGEN Mumme M, Wolf F, Jakob M, Wendt D, Martin I, Barbero A University Hospital Basel, Switzerland	(28.O11) STARVED OF OXYGEN: CELLS ENGINEER 3D VASCULAR NETWORKS IN VITRO Stamati K, Priestley JV, Mudera V, Cheema U UCL Tissue Repair & Engineering Centre	(18.O11) COMPUTER AIDED CUSTOMIZED CREATION OF SCAFFOLDS Verschuereen P, Corthouts PJ Materialise, Belgium	(26.O9) DESIGNING ELECTROSPUN SCAFFOLDS FOR TISSUE ENGINEERING APPLICATIONS Thorvaldsson A, Gatenholm P, Walkenström P Sweva IVF, Mölndal, Sweden	(17.O19) RESORBABLE CALCIUM PHOSPHATE SCAFFOLDS FOR BONE REPAIR AND REGENERATION Neuwe C, Cunningham E, Buchanan F, Walker G, Prendergast P, Lennon A, Dunne N Queen's University Belfast, UK	(33.O11) EFFECT OF PLASMA TREATMENT ON POLYLACTIC ACID (PLA) PROPERTIES USED IN TISSUE ENGINEERING Arab-Tehrany E, Chichti E, Linder M, Henrin G ENSAIA-INPL	(49.O6) ECTOPIC PREGNANCY CONCEPTUS: PROBABLY A NOVEL ETHICAL SOURCE OF EMBRYONIC / FETAL STEM CELL RESEARCH AND THERAPY IN ISLAMIC COUNTRIES Babak Arjmand, Hamid-Reza Aghayan, Bagher Lajani, Seyed Majid Maanavi Tehran University of Medical sciences
21:00-23:30	GALA DINNER PALACIO DE LOS CÓRDOVA						

FRIDAY 10

PLENARY SESSION – Room García Lorca

J.A. HUBBEL: "Protein morphogen and material engineering in regenerative medicine"

ROOM	PICASSO	GARCÍA LORCA	ALBÉNIZ	MACHUCA	MACHADO	ANDALUCIA II
8:30-9:30	PLENARY SESSION – Room García Lorca J.A. HUBBEL: "Protein morphogen and material engineering in regenerative medicine"					
SYMPOSIA AND SESSIONS	ENGINEERING A FUNCTIONAL TENDON	ADIPOSE TISSUE DERIVED STEM CELLS IN TISSUE ENGINEERING APPROACHES	CELL VIABILITY AND TISSUE BANKING	CHARACTERIZATION OF TISSUE MECHANICS	RECENT DEVELOPMENTS IN SCAFFOLDING TECHNOLOGIES AND CELL BASED THERAPIES IN SPINAL CORD INJURY REGENERATION	SEHIT SATELLITE MEETING: 6. REPRODUCTIVE BIOLOGY AND DEVELOPMENT
9:30-9:45	(16.KP) DERMAL FIBROBLAST BASED TENDON ENGINEERING: FROM BASIC RESEARCH TO PRE-CLINICAL TRIALS Liu W, Cao Y Shanghai Jiao Tong University School of Medicine, Shanghai, China	(1.KP) CURRENT OPPORTUNITIES AND CHALLENGES IN ADVANCING HUMAN ADIPOSE-DERIVED CELLS TO THE CLINIC Gimble JM Louisiana State University System, USA	(10.KP) X-RAY MICROANALYSIS IN THE STUDY OF CELL VIABILITY Warley A CUI, King's College London	(12.KP) ULTRASONIC ASSESSMENT OF BONE MECHANICAL PROPERTIES: BOTTOM-UP APPROACH FROM THE TISSUE SCALE TO THE ORGAN SCALE Grimal Q, Laugier P CNRS-UPMC	(36.KP) STEM CELLS, BIOMATERIALS AND OTHER CURRENT STRATEGIES FOR THE TREATMENT OF SPINAL CORD INJURY: A PRECLINICAL AND CLINICAL STUDY Sykova E Charles University, Prague, Czech Republic	(50.6.06) MORPHOLOGICAL AND COMPARATIVE ASPECTS OF DYSFUNCTIONAL PLACENTA San Martín S, Tostes R, Fortes Z, Giachini F, Zorn TMT University of Valparaíso, Chile
9:45-10:00						
10:00-10:15	(16.O1) TENOMODULIN PROMOTES THE TENOGENIC DIFFERENTIATION OF MESENCHYMAL STEM CELLS Jiang Y, Zhou G, Zhang W, Cao Y, Liu W Shanghai Key Laboratory of Tissue Engineering Research, Shanghai, China	(1.O1) TNF-TREATED ADIPOSE TISSUE-DERIVED STEM CELLS INCREASE THE MIGRATORY ACTIVITY OF ENDOTHELIAL CELLS IN VITRO Salamon A, Ramer R, Adam S, Rychly J, Peters K University of Rostock	(10.O1) MATERIALS CHARACTERISATION AND MESENCHYMAL STEM CELL RESPONSE ON PLCL MATERIALS Barron V, Rooney N(2), Barry F, Murphy M NUI, Galway	(12.O1) BIAXIAL MECHANICAL PROPERTIES OF THE AORTIC VALVE: EFFECT OF THE HYALURONIC ACID Borghì A, Carubelli I, Sarathchandra P, Chester AH, Taylor P, Yacoub M Imperial College London	(36.O1) URINARY BLADDER MATRIX WITH LASER ACTIVATED CHITOSAN BASED BIO-ADHESIVE FOR SUTURELESS NERVE REPAIR Ahmed T, Marçal H, Dinnes D, Badylak SF, Foster LJR The University of New South Wales, Sydney, Australia	(50.6.01) MORPHOLOGICAL ANALYSIS OF THE SPERM FROM AFRICAN PYGMY MICE, SUBGENUS <i>Nannomys</i> (RODENTIA, MURINAE, <i>Mus</i>) López L, Cano D, Izquierdo-Rico MJ, Acuña OS, Saez F, Castells MT, Chevret P, Veyrunes F, Avilés M University of Murcia
10:15-10:30	(16.O2) CURRENT CLINICAL OPINION OF ANTERIOR CRUCIATE LIGAMENT TISSUE ENGINEERING Rathbone SR, Maffulli N, Cartmell SH University of Manchester	(1.O2) DEVELOPING OPTIMIZED METHODS FOR CGMP COMPLIANCE IN THE ISOLATION OF HUMAN ADIPOSE-DERIVED STROMAL/STEM CELLS Carvalho PP, Yu G, Wu X, Dias IR, Gomes ME, Reis RL, Gimble JM 3B's Research Group	(10.O2) MEASURING CELL VIABILITY IN 3D SCAFFOLDS USING CONFOCAL MICROSCOPY Dittmar R, Potier E, Van Zandvoort MAMJ, Ito K Eindhoven University of Technology, The Netherlands	(12.O2) ULTRASONIC MONITORING AND PARAMETERS IDENTIFICATION OF SIMULATED TISSUE CULTURE Rus G, Bochud N, Rodríguez JM, Alaminos M, Campos A Universidad de Granada	(36.O2) CLINICAL GRADE PREPARATION OF HUMAN AUTOLOGOUS SCHWANN CELL FOR TREATMENT OF SPINAL CORD INJURY Arjmand B, Aghayan HR, Norouzi-Javidan A, Saberi H, Emami-Razavi SH, Larjani B Endocrinology and Metabolism Research Institut	(50.6.02) PROGRAMMED DEATH OF SERTOLI CELLS DURING TESTICULAR REGRESSION IN SYRIAN HAMSTER (<i>Mesocricetus auratus</i>) SUBJECTED TO SHORT PHOTOPERIOD Seco-Rovira V, Beltrán-Frutos E, Ferrer C, Pastor LM University of Murcia
10:30-10:45	(16.O3) IMPLANTATION OF ELECTROSPUN POLY(ε-CAPROLACTONE) 3D SCAFFOLDS IN ACHILLES TENDONS(16.O3) IMPLANTATION OF ELECTROSPUN POLY(ε-CAPROLACTONE) 3D SCAFFOLDS IN ACHILLES TENDONS Bosworth LA, Alam N, Downes S The University of Manchester, UK	(1.O3) KERATIN BIOMATERIALS SUPPRESS PPARγ EXPRESSION AND ENHANCE HUMAN ADIPOSE DERIVED STEM CELL OSTEOGENESIS Teli T, Van Dyke ME Wake Forest Health Sciences, USA	(10.O3) EFFECTS OF CRYOPRESERVATION ON PERIPHERAL BLOOD MONONUCLEAR CELLS AND ENDOTHELIAL PROGENITOR CELLS Sofrenovic T, McEwan K, Suuronen EJ, Kuraitis D University of Ottawa	(12.O3) LOW-INTENSITY ULTRASOUND FOR STIMULATION OF TISSUE CULTURE Bochud N, Rodríguez JM, Rus G, Alaminos M, Campos A Universidad de Granada	(36.O3) DENDRIMER-BASED NANOPARTICLE DELIVERY SYSTEM FOR THE SUSTAINED AND INTRACELLULAR DELIVERY OF METHYLPREDNISOLONE TO CNS CELLS: POTENTIAL APPLICATION IN SPINAL CORD INJURY TREATMENT Cerqueira SR, Oliveira JM, Mano JF, Sousa N, Salgado AJ, Reis RL 3B's Research Group, Portugal	(50.6.03) POSTNATAL EVOLUTION OF THE ULTIMOBRANCHIAL FOLLICLES IN THE RAT THYROID GLAND Vázquez-Román V, Conde-Amiano E, Sampedro-Abascal C, Bernabé-Caro R, Utrilla-Alcolea JC, Fernández-Rodríguez A, Martín-Lacave I University of Sevilla
10:45-11:00	(16.O4) GEL SPINNING OF ALIGNED HUMAN RECOMBINANT COLLAGEN FIBERS BY INJECTION OF NEMATIC LIQUID CRYSTALLINE DOPE Yaari A, Shoseyov O Collplant Ltd. Ness-Ziona, Israel	(1.O4) ADIPOSE-DERIVED STEM CELLS (ASCS) FROM ANATOMICALLY DIFFERENT SITES DETERMINE PHENOTYPE AND FUNCTION OF SCHWANN-LIKE CELLS FOR PERIPHERAL NERVE REPAIR Haycock J, Kaewkhaw R, Scutt A Sheffield University	(10.O4) ESTABLISHMENT OF AN INDIVIDUAL HUMAN VASCULAR CELL BANK CONSISTING OF UMBILICAL CORD CELLS FOR THE TISSUE ENGINEERING OF VASCULAR CONSTRUCTS UNDER GOOD MANUFACTURING PRACTICE (GMP) CONDITIONS Polchow B, Hetzer R, Lüders C Deutsches Herzzentrum Berlin, Germany	(12.O4) EXPERIMENTAL CHARACTERIZATION AND CONSTITUTIVE MODELING OF THE MECHANICAL BEHAVIOR OF THE HUMAN TRACHEA Trabelsi O, Pérez del Palomar A, López-Villalobos JL, Ginell A, Castellano MD University of Zaragoza, Spain	(36.O4) DEVELOPMENT AND CHARACTERIZATION OF A PHB-HV 3D SCAFFOLD FOR A TISSUE ENGINEERING AND CELL-THERAPY COMBINATORIAL APPROACH FOR SPINAL CORD INJURY REGENERATION Samy SM, Silva NA, Correlo VM, Silva RM, Fraga JS, Pinto LA, Pinto LG, Castro A, Gimble JM, Sousa N, Salgado AJ, Reis RL 3B's Research Group, Portugal	(50.6.04) IMMUNOHISTOCHEMICAL EXPRESSION OF THERAPEUTIC TARGETS IN ADULT AND FOETAL UTERINE TISSUES Santonja N, Piqueras M, Tadeo I, Noguera R, Navarro S Hospital de Manises, Spain
11:00-11:15	(16.O5) EVALUATION OF CELLULAR FUNCTIONS AT THE NANO-BIO-INTERFACE English A, Rooney N, Pandit A, Zeugolis D National University of Ireland Galway, Ireland	(1.O5) INTERACTION BETWEEN SHEAR STRESS AND VEGF IN THE INDUCTION OF ENDOTHELIAL DIFFERENTIATION OF HUMAN ADIPOSE-DERIVED STEM CELLS Colazzo F, Alrashed F, Sarachandra P, Chester AH, Yacoub MH, Taylor PM IRCCS Policlinico S. Donato, Milan, Italy	(10.O5) GROWTH ARREST OF HUMAN MSC HAS DIFFERENT EFFECTS ON OSTEOGENIC AND CHONDROGENIC DIFFERENTIATION Orthopedic University Hospital Heidelberg	(12.O5) MYOFIBROBLAST AND CARDIOMYOCYTE INTERACTIONS STUDIED IN A MODEL SYSTEM Abney T, Elson E, Schaefer PM, Pryse T, Wakatsuki T, Genin G Washington University in St. Louis	(36.O5) IMPROVING TISSUE ENGINEERED SKELETAL MUSCLE THROUGH INCORPORATION OF A NEURAL INPUT Smith AST, Passey S, Baar K, Greensmith L, Muedera V, Lewis MP Institute for Sport and Physical Activity Research (ISPAR Bedford), UK	(50.6.05) NORMOBARIC HYPOXIA EFFECT ON THE TESTIS: VASCULARIZATION, PROLIFERATION AND STEROIDOGENESIS Madrid E, Crespo PV, Reyes J, García JM, San Martín S, Parraga M Universidad de Valparaíso, Chile
11:15-11:30	COFFEE BREAK					
11:30-12:30	DEBATE SESSION – Room García Lorca R.A. Brown, J. Kirkpatrick, E. Engels					

TERMIS-EU GENERAL ASSEMBLY MEETING – Room García Lorca

LUNCHTIME

ROOM	PICASSO	GARCÍA LORCA	ALBÉNIZ	MACHUCA	MACHADO	ANDALUCIA II					
12:30-13:00	<p align="center">ENGINEERING BIOMIMETIC SCAFFOLDS FOR IN VITRO STUDIES AND REGENERATIVE THERAPIES</p>						<p align="center">ADIPOSE TISSUE DERIVED STEM CELLS IN TISSUE ENGINEERING APPROACHES</p>	<p align="center">MESENCHYMAL STEM CELLS (MSC)</p>	<p align="center">BIOMATERIALS AND THE REACTIONS THEY ELICIT IN THE BODY</p>	<p align="center">MASTERING SURFACE ASPECTS TO CONTROL BIOMATERIALS INTERACTIONS WITH CELLS AND TISSUES</p>	<p align="center">WORKSHOP IATA</p>
13:00-14:00											
14:00-14:15	<p>(17.KP2) SOFT NANOSTRUCTURE BIOMATERIALS PROMOTE DEVELOPMENT OF FUNCTIONAL TISSUE ENGINEERING PLATFORMS Semino CE Universitat Ramon Llull, Barcelona, Spain</p>	<p>(1.06) CO-CULTURE OF HUMAN PREADIPOCYTES AND ENDOTHELIAL PROGENITOR CELLS FOR NEOVASCULARISATION OF TISSUE ENGINEERED ADIPOSE TISSUE Strassburg S, Nienhüser H, Stark GB, Torio-Padron N University Medical Center Freiburg, Germany</p>	<p>(48.01) BIOCHEMICAL STUDIES ON THE COMPOSITION AND STRUCTURE OF THE EXTRACELLULAR MATRIX OF DEGENERATE INTERVERTEBRAL DISCS RECONSTITUTED BY THE INJECTION OF ALLOGENEIC BONE MARROW DERIVED STRO-3+ MESENCHYMAL PROGENITOR CELLS Ghosh P, Shimson S, Wu A, Ghosh I, Moore R, Itescu S Mesoblast Ltd</p>	<p>(6.KP) THE FOREIGN BODY REACTION AGAINST GELATIN AND (NON-)CROSSLINKED COLLAGEN DISPLAY MAJOR DIFFERENCES Bank RA, Harmsen MC, van Putten SM University Medical Centre Groningen</p>	<p>(26.KP) INDUCTION OF CELLULAR RESPONSES BY NANOSCOPIC ENVIRONMENTS Spatz JP Max-Planck-Institute for Metals Research, Department of New Materials and Biosystems, Stuttgart & University of Heidelberg, Department of Biophysical Chemistry, Heidelberg</p>						
14:15-14:30		<p>(1.07) ACCELERATION AND AUGMENTATION OF FEMORAL SEGMENTAL BONE HEALING BY ADIPOSE-DERIVED STEM CELLS ENGINEERED BY HYBRID BACULOVIRUS VECTORS CONFERRING SUSTAINED TRANSGENE EXPRESSION Lin CY, Lin KJ, Kao CY, Chang YH National Tsing Hua University</p>	<p>(48.02) EXPRESSION OF IMMUNOSUPPRESSIVE FACTORS BY JAW PERIOSTEAL CELLS Alexander D, Ardjomandi N, Rieger M, Munz A, Reinert S University Hospital Tübingen</p>								
14:30-14:45	<p>(17.O20) BIOINSPIRED NANOCOMPOSITES OF RESILIN AND CELLULOSE WHISKERS FOR TISSUE ENGINEERING APPLICATIONS Dgany O, Lapidot S, Rivkin A, Sharon S, Bella Arinos S, Shoseyov O, Qin G, Hu X, Kaplan D CollPlant Ltd., Israel</p>	<p>(1.08) EVALUATION OF DIFFERENT SCAFFOLD DESIGNS FOR VASCULARIZED ADIPOSE CONSTRUCTS Wiggenhauser PS, Mueller DF, Huttmacher DW, Melchels FPW, Störck K, Staudenmaier R, Machens HG, Schantz JT Technische Universitaet Muenchen</p>	<p>(48.03) BONE MARROW DERIVED MESENCHYMAL STEM CELL SHEETS FOR INNER ANNULUS FIBROUS REGENERATION See EY, Tohl SL, Goh JC National University of Singapore</p>	<p>(6.01) GENE EXPRESSION PATTERNS IN OSTEOGENIC CELLS TREATED WITH STRONTIUM-SUBSTITUTED BIOACTIVE GLASSES Gentleman E, Autefage H, Park G, Stevens MM Imperial College London</p>	<p>(26.01) HIGH CELL ASPECT RATIO ALTERS STEM CELL TRACTION STRESSES AND LINEAGE Vincent L, Tay CY, Tan LP, Engler AJ University of California, San Diego</p>	<p align="center">AN INTRODUCTION TO GOOD MANUFACTURING PRACTICE IN TISSUE ENGINEERING</p>					
14:45-15:00	<p>(17.O21) DEVELOPMENT OF BIOACTIVE MEMBRANE SCAFFOLDS FOR TISSUE ENGINEERING Tejeda-Montes E, Mata A, Smith KH, López-Bosque MJ, Poch M, Engel E, Alonso M The Nanotechnology Platform, Parc Científic Barcelona, Spain</p>	<p>(1.09) CARTILAGINOUS TISSUES ENGINEERED USING HUMAN FAT PAD DERIVED MESENCHYMAL STEM CELLS UNDER ALTERED DIFFERENTIATION CONDITIONS Liu Y, Buckley CT, Downey R, Mulhall KJ, Kelly DJ Trinity College Dublin, Ireland</p>	<p>(48.04) FGF-2 MAINTAINS A NICHE-DEPENDENT POPULATION OF SELF-RENEWING HIGHLY POTENT NON-ADHERENT MESENCHYMAL PROGENITORS THROUGH FGFR2C Di Maggio N, Merhkens A, Papadimitropoulos A, Banfi A, Martin I Basel University Hospital</p>	<p>(6.02) THE ROLE OF HYDROLYTIC ENZYMES AND REACTIVE OXYGEN SPECIES IN AN IN VITRO MODEL OF MACROPHAGE-MEDIATED DEGRADATION OF POLY(TRIMETHYLENE CARBONATE) NETWORK FILMS van Kooten TG, Bat E, Kuijjer R, Grijpma DW UMCG Groningen, The Netherlands</p>	<p>(26.02) DEFORMATION OF NUCLEI AND MICROSTRUCTURES: EVIDENCE OF DIFFERENT MECHANORESPONSIVENESS OF CANCER AND NON CANCEROUS CELLS Ozcelik H, Padeste C, Hasirci V Middle East Technical University</p>						
15:00-15:15	<p>(17.O22) MULTILAYER VASCULAR GRAFTS BASED ON COLLAGEN-MIMETIC HYDROGELS Browning MB, Dempsey D, Guiza V, Becerra S, Rivera J, Hook M, Russell B, Clubb F, Miller M, Fossom T, Hahn M, Cosgriff-Hernandez E Biomedical Engineering, Texas A&M University, USA</p>	<p>(1.10) ADIPOGENESIS IN 3D SPHEROIDS OF ADIPOSE-DERIVED STEM CELLS IS LESS DEPENDENT ON EXOGENOUS STIMULATION THAN IN CONVENTIONAL 2D CULTURE Muhr C, Winnefeld M, Pielmeier C, Seitz AK, Göpperich A, Bauer-Kreisel P, Blunk T Julius-Maximilian-University, Würzburg, Germany</p>	<p>(48.05) UTILISING DYNAMIC SURFACE CHEMISTRIES TO UNLOCK THE POTENTIAL OF MATERIALS AS CELL ADHESION SUBSTRATES TO CONTROL CELL FUNCTION BY DESIGN Curran J, Pu F, Chen R, Hunt J University of Liverpool</p>	<p>(6.03) INNOVATIVE IN-VITRO POLY CULTURE MODEL, AS AN ARTIFICIAL LIVING PERITONEUM, FOR ABDOMINAL MESH EVALUATION Lefranc O, Vernier A, Barrier F, David L, Frank L, Siali R Covidien</p>	<p>(26.03) CELLULAR PHENOTYPIC RESPONSES TO CULTURE ON THERMORESPONSIVE POLYMER BRUSHES Anderson LS, Ling K, Kaminski A, Laschewsky A, Lutz JF, Wischerhoff E Lafayette College, Easton, PA</p>						
15:15-15:30	<p>(17.O24) INTEGRATION OF MULTIPLE CELL-MATRIX INTERACTIONS INTO ALGINATE SCAFFOLDS FOR PROMOTING CARDIAC TISSUE REGENERATION Sapir Y, Kryukov O, Cohen S Ben-Gurion University of the Negev, Beer-Sheva, Israel</p>	<p>(1.011) 5-AMINOSALICYLIC ACID TO SUPPORT ADIPOGENIC DIFFERENTIATION OF ADIPOSE TISSUE DERIVED STEM CELLS IN 2 AND 3-D CULTURES Manhardt M, Ambrosch K, Hacker MC, Schulz-Siegmund MB University of Leipzig</p>	<p>(48.06) CHONDROGENIC AND OSTEOGENIC DIFFERENTIATION OF HMSCS CULTURED ON 3D PEOT/PBT SCAFFOLDS Leferink AM, Karperien M, Blitterswijk CA van, Moroni L University of Twente</p>	<p>(6.04) HYDROPHILIC RESORBABLE AND BIOCOMPATIBLE POLYMER SYSTEMS AS BIOACTIVE COATINGS OF POLYPROPYLENE MESH AND CONTROLLED RELEASE OF ANTIBIOTICS FOR TISSUE INTEGRATION Fernández-Gutiérrez M, Olivares E, Bellón JM, San Román J Institute of Polymers, CSIC</p>	<p>(26.04) ENDOTHELIAL PROGENITOR CELLS (TRANS)DIFFERENTIATE ON SOFT SUBSTRATES Fioretta E, Bouten C, Baaijens F Eindhoven University of Technology</p>						
15:30-15:45	<p>(17.O25) CELL HARVESTING FROM ELASTIN-LIKE RECOMBINAMERS GRAFTED SURFACES Pierna M, Santos M, Girotti A, Arias FJ, Rodríguez-Cabello JC University of Valladolid, Spain</p>	<p>(1.012) IN VITRO EVALUATION OF OSTEOCONDUCTIVE STARCH BASED SCAFFOLDS USING A FLOW PERFUSION BIOREACTOR Rodrigues AI, Costa P, Gomes ME, Leonor IB, Reis RL 3B's Research Group, University of Minho, Portugal</p>	<p>(48.07) IMPROVEMENT OF VOCAL FOLD WOUND HEALING BY BONE MARROW-DERIVED STEM CELLS USING A XENOGRAFT ANIMAL MODEL Lim JY, Kwon SK, Kim HS, Yi T, Song SU, Kim YM Inha University</p>	<p>(6.05) DIFFERENTIATION OF MACROPHAGES INTO PRO- OR ANTI-INFLAMMATORY/ REPAIR SUBTYPE IN CULTURE Grotenhuis N, Bayon Y, Falke L, Lange JF, van Osch GJM, Bastiaansen-Jenniskens YM Erasmus MC, University Hospital Rotterdam</p>	<p>(26.05) DIFFERENT ARRANGEMENT OF TYPE IV COLLAGEN ON MODEL -NH₂ AND -COOH SURFACES ALTERS ENDOTHELIAL CELLS INTERACTION Coelho NM, González-García C, Salmerón-Sánchez M, Altankov G Institut de Bioenginyeria de Catalunya, Barcelona, Spain</p>						
15:45-16:00	<p>(17.O26) BIORESORPTION BEHAVIOUR OF ALGA-HA BONE GRAFT SUBSTITUTES Walsh P, Buchanan F, Walker G, Clarke S Queen's University Belfast, UK</p>	<p>(1.013) CYCLIC UNIAXIAL STRAIN UPREGULATES THE SKELETAL MUSCLE-RELATED GENES IN ADIPOSE-DERIVED STEM CELLS Bayati V, Sadeghi Y, Shokrgozar MA, Haghighipour N Shaheed Beheshti University of Medical Sciences</p>	<p>(48.08) OPTIMISING EXTRACELLULAR MATRIX COATINGS FOR MSC ATTACHMENT AND PROLIFERATION IN SERUM-FREE CULTURE CONDITIONS Mooney E, Ansboro S, Shaw G, Coleman C, Barron V, Barry F, Murphy M National University of Ireland, Galway, Ireland</p>	<p>(6.07) A NOVEL EVALUATION OF THE PERFORMANCE OF SOFT TISSUE REPAIR BIOMATERIALS FOLLOWING INTRAPERITONEAL IMPLANTATION IN HEALTHY AND DIABETIC RATS, BY QUANTITATIVE HISTOPATHOLOGY Alves A, Bourges X, Bayon Y Biomatech - Namsa, Chasse / Rhône, France</p>	<p>(26.06) NANOSTRUCTURED FILMS EXHIBITING MULTIPLE STIMULI RESPONSIVE BEHAVIOR AND IMPROVED CELL ADHESION FOR TISSUE ENGINEERING Costa RR, Custódio CA, Arias FJ, Rodríguez-Cabello JC, Mano JF 3B's Research Group, Portugal</p>						
16:00-16:15	COFFEE BREAK										

ROOM	PICASSO	GARCÍA LORCA	ALBÉNIZ	MACHUCA	MACHADO	ANDALUCIA II
SYMPOSIA AND SESSIONS	ENGINEERING BIOMIMETIC SCAFFOLDS FOR IN VITRO STUDIES AND REGENERATIVE THERAPIES	ADIPOSE TISSUE DERIVED STEM CELLS IN TISSUE ENGINEERING APPROACHES	COMMERCIALIZING CELL THERAPIES. TRAGEDY, TUMULT AND TRIUMPH	BIOMATERIALS AND THE REACTIONS THEY ELICIT IN THE BODY	MASTERING SURFACE ASPECTS TO CONTROL BIOMATERIALS INTERACTIONS WITH CELLS AND TISSUES	WORKSHOP IATA
16:15-16:30	(17.027) IN VITRO BEHAVIOUR OF MESENCHYMAL STEM CELLS ON A CONDUCTIVE ELECTROSPUN SILK FIBROIN NANOFIBER SCAFFOLD COATED WITH POLYPYRROL FOR BIOMEDICAL APPLICATIONS Aznar Cervantes SD, Meseguer-Olmo L, Roca García MI, Cragnolini F, Cenis Anadón JL, Blanquer Blanquer M, Rodríguez Lozano FJ, Fernández Otero T, Moraleda Jimenez JM IMIDA, Murcia, Spain	(1.014) ENHANCED CARTILAGE FORMATION VIA THREE-DIMENSIONAL ENGINEERING OF HUMAN ADIPOSE-DERIVED STROMAL CELLS Yoon HH, Bhang SH, Shin JY, Shin JH, Kim BS Seoul National University, Republic of Korea	(13.04) LEGAL CHALLENGES FOR ATMP DEVELOPMENT Stevens H, Verbeken G, Verlinden M, Huys I K.U.Leuven	(6.08) CORD BLOOD STEM CELLS EXCEED EMBRYONIC STEM CELLS IN INDUCING ECTOPIC BONE FORMATION IN VIVO Meyer U, Handschel J, Wiesmann HP MKG Münster	(26.07) BIOINSPIRED SUPERHYDROPHOBIC POLYSTYRENE SURFACES FOR SPATIAL CONTROL OF CELL ATTACHMENT/PROLIFERATION Oliveira SM, Song W, Alves NM, Mano JF 3B's Research Group, Portugal	AN INTRODUCTION TO GOOD MANUFACTURING PRACTICE IN TISSUE ENGINEERING
16:30-16:45	(17.028) ASSEMBLY OF PLATELET-LYSATE LOADED CHITOSAN-CHONDROITIN SULFATE NANOPARTICLES AS NEW THREE-DIMENSIONAL HYDROGEL CONSTRUCT FOR ENTRAPMENT OF HUMAN ADIPOSE DERIVED STEM CELLS FOR CARTILAGE TISSUE ENGINEERING Santo VE, Popa EG, Gomes ME, Mano JF, Reis RL 3B's Research Group, Portugal	(1.015) RETRO-ASSOCIATED VIRAL GENE TRANSFER OF SOX-TRIO TO HUMAN BONE MARROW DERIVED MESENCHYMAL STEM CELLS IMPROVES CARTILAGE REPAIR Lee JS, Kim HJ, Im GI Dongguk International Hospital, Republic of Korea	(13.KP1) CELLERIX AND TIGENIX: COMMERCIALIZING THE FIRST ATMP- EXPERIENCES AND LESSONS IN CELL THERAPY Pascual M Cellerix	(6.09) INCORPORATION OF INFLAMMATORY SIGNALS IN BIOMATERIALS MODULATES HUMAN NK CELL BEHAVIOR LEADING TO IMPROVED MSC RECRUITMENT Almeida CR, Vasconcelos DP, Gonçalves RM, Barbosa MA Universidade do Porto, Portugal	(26.08) IMPACT OF PET MULTI-FUNCTIONALIZATION ON ENDOTHELIAL CELL BEHAVIOR UNDER SHEAR STRESS Chollet C, Bareille R, Remy M, Bordenave L, Laroche G, Durrieu MC INSERM U1026	
16:45-17:00	(17.029) ABILITY OF A MARINE SPONGE-DERIVED POROUS HA SCAFFOLD TO SUPPORT BONE CELL GROWTH AND DIFFERENTIATION Clarke SA, Cunningham E, Choi SY, Dunne N, Walker G, Buchanan F Queen's University Belfast, UK	(1.016) THE USE OF STEM CELL CULTURE-CONDITIONED MEDIUM FOR THERAPEUTIC ANGIOGENESIS Bhang SH, Kim BS Seoul National University, Republic of Korea	(13.KP2) ORGANOGENESIS INC.: THE ROAD TO COMMERCIALISATION MacKay G Organogenesis Inc.	(6.010) HEMOCOMPATIBILITY STUDY OF BACTERIAL CELLULOSE Andrade FK, Silva JP, Carvalho M, Castanheira EMS, Soares R, Gama FM University of Minho, Braga, Portugal	(26.010) INNOVATIVE LAYER-BY-LAYER METHODOLOGY, BEHAVING AS AN ALL MOLDABLE PLATFORM, FOR GENERATING MACRO 3D NANO-STRUCTURED POROUS CONSTRUCTS USING FREEFORM TEMPLATES Sher P, Mano JF 3B's Research Group, Portugal	
17:00-17:15	(17.030) DESIGN OF INDUCTIVE SCAFFOLD FOR THE OSTEOCHONDRAL DIFFERENTIATION OF HUMAN MESENCHYMAL STEM CELLS (HMSC) Re'em T, Cohen S Ben-Gurion University, Be'er Sheva, Israel	(1.018) HUMAN ADIPOSE DERIVED STROMAL CELL RESPONSE TO A POLY ε-CAPROLACTONE SCAFFOLD FOR BONE TISSUE ENGINEERING Pagani S, Veronesi F, Parrilli A, Maltarello MC, Salerno A, Fini M, Giavaresi G Rizzoli Orthopaedic Institute - IRCCS, Bologna, Italy	(13.02) CHONDROGENIC BUT NOT OSTEOGENIC DIFFERENTIATION OF BONE MARROW DERIVED STRO-3+ MESENCHYMAL PROGENITOR CELLS IN THE OVINE CERVICAL SPINE Ghosh P, Goldschlager T, Zannettino A, Gronthos S, Itescu S, Jenkin G Mesoblast Ltd.	(6.011) IN VITRO AND IN VIVO BIOCOMPATIBILITY EVALUATION OF K-CARRAGEENAN HYDROGELS AIMED AT APPLICATIONS IN REGENERATIVE MEDICINE Popa EG, Carvalho PP, Dias AF, Santo VE, Frias AM, Marques AP, Dias IR, Viegas CAA, Gomes ME, Reis RL 3B's Research Group, Portugal	(26.011) THE USE OF PLASMA POLYMERIZATION IN THE CONTINUING DEVELOPMENT OF CELLULAR THERAPIES Steele D, Low S, Szili E, Al-Bataineh S, Brown K, Mariappan I University of South Australia	
17:15-17:30	(17.031) FABRICATION AND CHARACTERISATION OF ELECTROSPUN, TUBULAR, AXIALLY ORIENTED FIBRILAR GELATIN SCAFFOLDS FOR VASCULAR TISSUE ENGINEERING Elsayed Y, Lekakou C, Tomlins P University of Surrey, UK		(13.03) SUCCESSFUL REGULATORY STRATEGIES FOR COMMERCIALISING ADVANCED THERAPIES Zwart I, Blakie R ERA Consulting	(6.012) HUMAN HAIR KERATINS FOR TISSUE ENGINEERING Ng KW, Wang S, Taraballi F Nanyang Technological University, Singapore	(26.012) THROMBIN ACTIVITY IN FIBRIN SEALANTS – A CRITICAL FACTOR FOR CELL COMPATIBILITY WITH HUMAN KERATINOCYTES Gugereil A, Schossleitner K, Wolbank S, Redl H, Gulle H, Bittner M, Pasteriner W Baxter Innovations GmbH, Biosurgery	
17:30-17:45	CLOSING CEREMONY – Room García Lorca					
17:45-18:00						