

Poster Board	Submission number	Presenter	Title
D1 - P002	75	Elisa Roldan	SpinCastML an Open Distribution-Aware Inverse Design Application for Electrospun Biomaterials
D1 - P004	1232	ZEYNEP AKYOL	SNAIL MUCUS-BASED HYDROGEL SYSTEM: A SUSTAINABLE AND BIOACTIVE APPROACH FOR NEURAL REGENERATION
D1 - P005	1124	Michel Boissière	A multidisciplinary workflow combining digital planning, surgery, and biomaterials for nextgeneration nasal reconstruction
D1 - P006	1201	Paola Carou-Senra	Rapid Dataset Generation using Large Language Models in Additive Manufacturing
D1 - P007	732	Max von Witzleben	Label-free osteoclast detection via biologically informed diffusion models with intrinsic uncertainty quantification
D1 - P010	1404	Oriana De Becker	AN INTEGRATED IN VITRO – IN SILICO FRAMEWORK FOR 3D-PRINTED PCL BIORESORBABLE IMPLANTS
D1 - P011	189	Qi Fu	3D Printed Porous Organic-Inorganic Scaffolds for Bone Defect Repair
D1 - P013	785	BIJAY KUMAR KARALI	Robocasting of zinc oxide reinforced tricalcium phosphate scaffolds: rheological, structural, and mechanical insights.
D1 - P014	329	Georgia Aello Garantoudi	Metabolite-based anti-inflammatory polymers to modulate the foreign body response
D1 - P016	725	Subham Mishra	Designing a click-chemistry based injectable HA-CS hydrogel as a solution for knee osteoarthritis.
D1 - P017	553	Angela Andrzejewska-Sroka	Effect of hydrolytic degradation on the compressive mechanical properties of the TPMS gyroid bone scaffolds
D1 - P020	63	Fábio Garrudo	Development of PEDOT:PSS-based composites for fabricating tissue engineering scaffolds
D1 - P021	159	Gaia Vicinelli	Combining sustainability and regenerative therapies: upcycling sea urchin waste into biomimetic collagen-hydroxyapatite scaffolds
D1 - P022	506	Ruiyan Gao	Charge-Dependent Mechanical Reinforcement in Silk-Elastin-Like Polypeptides Hydrogels Postprocessing
D1 - P023	636	Aaron Kwiatkowski	Proximity-Driven Dynamic Covalent Biomaterials for adaptive Extracellular Matrix Mimics
D1 - P025	663	Shrivatsa Hegde	The first step towards a validated reference material for arterial mechanical testing
D1 - P027	1010	Linda Gätjen	Bioinspired functionalization of PEEK and the resulting cell response especially on osteoblast adhesion and osteogenic gene expression
D1 - P029	1237	Sarah Vorrsselmans	The Forces in the Balance: FRET-based molecular tension sensors reveal the forces within CCM disease
D1 - P030	480	Diego Lopez Barreiro	Effect of antimicrobial peptide position on the mechanical and antibacterial properties of silk-elastin-like protein (SELP)-based biomaterials
D1 - P031	996	David Chau	Cracking the Potential: Characterisation of Avian Eggshell Membranes for Clinical and Biomedical Innovation
D1 - P032	1045	Estephanny Jocelyn Alvarado-Munoz	On mechano-compatibility in scaffolds and testing-chamber for mechano-transduction at the interface bone/cartilage
D1 - P033	1216	BHUVANESHWARI ANBAZHAGAN	Development of oxidized alginate-bioactive solubilised ECM bioink to enhance osteogenic differentiation for 3D bioprinting
D1 - P034	1085	Taufiq Ahmad	Melt electrowritten biphasic scaffolds for osteotendinous interface engineering
D1 - P036	97	Simona Di Cosmo	Microdroplets-assisted fibroblast adhesion for advanced stent functionalization in vascular surgery
D1 - P037	1194	Parisa Torabi-Rahvar	A Nucleus Pulposus–Inspired Microfluidic 3D Culture-on-a-Chip for Modeling Mechanical Loading in Intervertebral Disc Tissue
D1 - P038	1024	Nicolas Deroose	Harnessing Natural-Synthetic Polymer Synergy for Multifunctional Tissue Engineering Hydrogels
D1 - P039	764	Elisabetta Galluppo	Calcifying microalgae as functional nano-platforms for bone fillers
D1 - P041	85	Christine Visser	Balancing mechanics and cell adhesion in elastin-like polypeptide–collagen hydrogels
D1 - P045	1038	Filipa De Vasconcelos	Piezoelectric PLLA β -TCP 3D scaffolds with designed porous architectures for bone tissue engineering
D1 - P046	447	Raúl Agut López	Flexible Ceramic Hydroxyapatite Scaffolds with Tuneable Mechanical Properties and Degradation Kinetics
D1 - P047	487	Andreea Ioana Dinu	Polydopamine Meets POSS: Engineering Multimaterials for Osteoporotic Bone Regeneration
D1 - P048	675	Dario Davi	Composite PLLA/PLLA-HAp Gradient Porous Scaffolds Fabricated by two-step TIPS for Bone Tissue Regeneration
D1 - P049	1159	Aneta Szymańska	Covalent Surface Engineering of Polyester-based Scaffolds with Functionalized Peptides for Enhanced Stability in Cartilage Regeneration
D1 - P050	1174	Cátia Monteiro	Bioengineering a humanized bone-on-a-chip model leveraging human ECM-derived macroporous cryogels
D1 - P053	1163	Shreya Pande	Mechanically Tuned dECM Hydrogels via Dipeptide Reinforcement for Cartilage Repair
D1 - P054	974	Stefan Oschatz	Fetuin A-functionalized 3D-printed Gyroidal Scaffolds for Enhanced Bone-Integration
D1 - P055	49	Caroline Taylor	Biomimetic, bio-functionalised polymer implants to promote in situ repair of traumatic and early osteoarthritic cartilage defects
D1 - P058	997	Dania Droubi	Optimization and in vitro exploration of chitosan 3D-printed scaffolds for neural repair
D1 - P059	1313	Sonali Naik	Dual-Crosslinked Pectin-Gellan gum Based Hydrogels via Thiol–Ene Michael Addition and Photopolymerization for Tunable Cell-Material Interactions
D1 - P060	551	Hilal Yilmaz-Dagdeviren	Decellularized CNS-Derived Hydrogels as Neurotropic Biomaterials for Neural Regeneration
D1 - P062	751	Abby Thompson	Silk-elastin like polypeptides for electrospun small diameter vascular grafts
D1 - P063	251	Jessica Harrison	Bioinspired design of hydrogel adhesives for lung tissue engineering
D1 - P065	804	João Mano	Making human ECM printable: a photocrosslinkable ink for extrusion bioprinting
D1 - P066	338	Karolina Hopia	Catecholamine functionalisations tailor 3D printability of hyaluronan bioinks
D1 - P067	890	Sasini Yashoda Weerasinghe	Engineering a biomimetic 3D-printed hydrogel scaffold for pancreatic islet transplantation
D1 - P069	1090	Elisa Restivo	Anti-adhesive surface performance of biomorphic calcium-phosphate scaffolds against planktonic bacteria
D1 - P070	1221	Pedro Silva	PVDF Films Incorporating Zinc Oxide Tetrapods For Enhanced Piezoelectric And Antibacterial Performance
D1 - P071	211	Ditte Rask Tornby	In vitro and in vivo evaluation of a novel biomimetic arteriovenous graft material
D1 - P072	241	Rui Reis	Surface coating with end-on PEGylated heparin enhances specific antithrombin binding
D1 - P073	173	Lea Gazvoda	3D Solvent-Cast Printing of Oriented PLLA Scaffolds for Piezoelectric and Hybrid Hydrogel-Based Tissue Engineering
D1 - P074	1257	Sara Otin	A Lymph Node-Mimicking 3D Hydrogel Model for Follicular Lymphoma
D1 - P076	428	Benjamin Kruppke	Biomimetic Hydrated Coatings for Ultra-Low Friction Ceramic Applications
D1 - P077	498	SUSANTIKA PAIK	Multiscale characterisation of SLM-printed Co–Cr–Mo porous lattice structures for bone tissue engineering in total knee arthroplasty implants
D1 - P079	542	Sushmita Chettri	Single-step femtosecond laser-induced hierarchical structuring of Ti6Al4V with LIPSS for enhanced osseointegration and reduced bacterial adhesion
D1 - P080	818	David Bucak Gasser	Aqueous chemoselective conjugation of N-terminal L-cysteines to polysaccharides

D1 - P081	679	Ebony Shire	Influence of sequence arrangement and processing conditions on the self-assembly of biomineralising silk-elastin-like polypeptides
D1 - P083	1176	Matthew Baker	Chain-selective presentation of RGD in static and dynamic double-network hydrogels modulates hMSC mechanotransduction and secretome
D1 - P084	1285	João Silva	Engineering Osteosarcoma In Vitro using 3D Bioprinted Tumor Spheroids and Cell-Derived dECM-based Bioinks for Improved Therapeutic Discovery and Drug Screening
D1 - P085	660	Hung Chun-Yu	High-Z/Catalytic Function-Coupled All-in-One Platform for Enhanced Tumor Therapy
D1 - P086	1324	MOONIL KIM	BiFC Reporter-Based Detection of Influenza A Virus
D1 - P088	1335	Sumanta Ghosh	Hierarchical supramolecular nanoneedles loaded with bio-ionic hydrogel mediated dense biofilm eradication in the deep tissue
D1 - P090	357	Ana María Muñoz Mateo	3D Printing of Responsive Biomaterials for Bacteria Sensing
D1 - P091	1097	Flaminia Fruzzetti	Exploring substrate stiffness and YAP/TAZ pathways in non-viral gene delivery applications
D1 - P094	368	Divishth Gupta	Development of antimicrobial 3D-printed bio-ink scaffolds incorporating nanoparticles and antibiotics for infection control in healthcare setting
D1 - P095	1362	Erika Roventini	Development of a smart ultrasound-activated patch for localized oxygen delivery in chronic wounds
D1 - P096	284	J. Alejandro Romero-Antolín	Next-Generation antibacterial poly(ionic liquid) nanoparticles
D1 - P097	619	Alfred Corrigan	Magnetically responsive, bio-adhesive peptide based composite hydrogels for soft robotics
D1 - P098	629	David Schell	Innovative 3D Bioprinting of Breast Cancer Bio-Units to Model Macrophage-Tumor Interactions and NAC Response
D1 - P100	99	How TSENG	Preparation of Autologous Skeletal Myoblast Sheets via Novel Cell Sheet Engineering to Treat Ischemic Cardiomyopathy in Animal Models
D1 - P101	471	Mario di Gennaro	Hyaluronic acid-extracellular vesicle bioactive hybrid systems for lung acute injury application
D1 - P103	533	Karolyne dos Santos Jorge Sousa	AR Biomass as a Promising Component in Osteoactive Implants
D1 - P104	1294	Yiting Lei	Injectable Functionalized Hydrogel Microspheres for Osteoarthritic Cartilage Regeneration
D1 - P105	1360	Mesude Bicer	Development of a bacterial exopolysaccharide-enriched alginate hydrogel for mesenchymal stem cell compatibility and antimicrobial properties
D1 - P106	534	Marcelo Assis	Croaker Hydroxyapatite Scaffolds as Promising Regenerative Candidates for Bone Implants
D1 - P107	1012	Sahranur Tabakoglu	Curcumin-Loaded GelMA/PCL-MEW Hybrid Scaffolds: Assessing Long-Term Release, Antioxidant Defense, and Cytocompatibility
D1 - P108	981	Renáte Teterovska	3D printed oak extract loaded alginate-gelatin scaffolds functionalized with mesoporous bioglass
D1 - P109	639	Marcelo Assis	Smart 3D Printed Marine Collagen Dressings Incorporating Zinc-Based Nanoparticles for Skin Regeneration
D1 - P111	1402	Ward Ver Heyen	Electrospun PolyActive Scaffolds for Chronic Wound Healing Applications
D1 - P112	616	Yikun Zhang	Organohydrogel bioinks based on engineered albumin nanosheet-stabilised microdroplets
D1 - P113	178	Anjali Upadhyay	Fabrication of 3D-Printed Adhesive Microneedle Patch Loaded with Codoped Hydroxyapatite in Deep-Tissue Infective Wound Healing
D1 - P114	1230	Ankit Kamble	Porcine Duodenum-Derived Extracellular Matrix Gel for Enhanced Diabetic Wound Healing
D1 - P115	291	Ling-Chun Chen	Green Freeze-Thaw Fabrication of Nano-Dispersible Sacchachitin Diepox-Crosslinked Hydrogels for Diabetic Wound Healing
D1 - P116	972	Sijin Park	ELIXIR-030, a dual-targeting small molecule, attenuates inflammatory responses in IBD by modulating HMGB1 and type I interferon signaling
D1 - P117	973	Lora Martin	Evaluation of Tolerance and Efficacy of a Cross-Linked Umbilical Cord Intracorneal Ring model in a Bioreactor
D1 - P118	1381	Estela Kerstner Baldin	Integrated Electrochemical Platform with 3D-Printed Electrodes and MIPs for Oncological Biomarker Detection
D1 - P120	221	Laura Coviello	Bilayer electrospun membrane as a strategy to promote angiogenesis in advanced 3D skin model
D1 - P121	1043	Muireann Cosgrave	An antioxidant nanoparticle-functionalized hydrogel for hormone deficient osteoporotic bone regeneration
D1 - P122	529	Patricia Valdes Portas	Improving neurite outgrowth in vitro by superparamagnetic nanoparticles loaded with nerve growth factor
D1 - P124	854	Markus Lorke	Optimizing in-situ oxidized hyaluronic acid based hydrogels for 3d printing for soft tissue applications
D1 - P125	1199	Axelle Ooms	PCL-based Biomaterials with Tunable Properties for Advanced Tympanic Membrane Repair in Chronic Otitis Media
D1 - P127	1385	Ryszard Wielowski	Carbon-carbon composites as materials that can stimulate neural tissue: comparison of pyrolytic carbon and functionalized carbon nanotubes
D1 - P128	1355	Andreas Fischbach	Catheter-based aspiration thrombectomy via mechanical thrombus shattering in a pulsatile human circulation model
D1 - P129	147	Ali Kalkan	Engineered 3D Human DMD Muscle Constructs Enable Optogenetic Assessment of Disease Deficits
D1 - P130	175	Ekin Erdoğan	A Ring-Core Hydrogel Platform for Netrin-1-Induced Guidance of PC12 Cells
D1 - P132	716	Kristýna Valášková	Cell-made scaffolds with mechanically induced alignment for tissue engineering
D1 - P135	1281	Runqi Zhu	Hydrogel-encoded extracellular thiol cues promote pro-angiogenic MSC secretion
D1 - P136	1387	Soonmo Choi	Glucose-Induced Adhesion Reprogramming Enables Spontaneous Cell Sheet Detachment without Engineered Surfaces or External Stimuli
D1 - P137	1380	Amber Dederen	Enhancing bone regeneration in femoral critical-size defects using regulatory T cells
D1 - P138	223	Abhijeet Kumar Mathur	A High-Resolution Approach to Visualize Subcellular Interface Biology in Opaque Biomaterials with Defined Topographies
D1 - P139	366	Sanne van de Looij	Thermo-adaptive hydrogels for dynamic mechanical stimulation of encapsulated chondrocytes in cartilage engineering
D1 - P142	1047	Arezo Dadashzadeh	Preliminary in vivo assessment of PEGylated fibrin to fabricate engineered ovarian tissue
D1 - P143	257	Liliana Duarte	ATMP Classification challenges illustrated through a Spinal Cord Injury biomaterial-cell combination case
D1 - P144	258	Liliana Duarte	A Structured Risk-Management Approach in Preclinical ATMP Development: Insights from a Spinal Cord Injury Biomaterial Case Study
D1 - P145	750	Charlotte Brice	Development of an iPSC-derived foetal liver-like niche in a chemically defined hydrogel for the assessment of HSC homing and expansion

D1 - P148	453	Ana Margarida Carvalho	Engineering a MASLD-liver fibrosis model recapitulating the liver microenvironment with collagen type I and alginate hydrogels
D1 - P149	461	Natalia Gonzalez-Martinez	High-throughput screening of surface chemistries and topographies for macrophage immune modulation using the ChemoTopoChip platform
D1 - P150	15	Zengyong Chu	Bioinspired Wrinkle Engineering of 2D Materials and its Applications
D1 - P151	35	Saara Sirkilä	Preparation and characterization of GelMA/PEGDA hydrogel containing BG S53P4 for periodontal bone defect repair
D1 - P154	164	Hyeong-Cheol Yang	Polycaprolactone (PCL) fibers grafted with phosphatidylserine and Arg-Gly-Asp (RGD) for immunomodulation and enhanced osteogenesis
D1 - P155	171	Eduardo Diogo Gurgel-Filho	3D-printed multi-doped calcium phosphate cement scaffolds: in vivo biocompatibility
D1 - P156	376	Eva Filová	3D scaffolds from titanium alloys for bone regeneration
D1 - P158	572	Oznur Demir	Low-temperature synthesized α -TCP as a bioactive biochemical cue for next-generation bone regenerative biomaterials
D1 - P159	590	Sadia Zakir Jangda	Electron microscopy investigation of 3D-printed surface-treated PCL fiber reinforced hydroxyapatite calcium phosphate cement for bone regeneration
D1 - P160	604	Giovanna Grasser	Bioactive SrMoO4-Chitosan-Hydroxyapatite Scaffolds for Bone Tissue Engineering
D1 - P161	626	Agata Tymiriska	Chitosan as a biomaterial for the delivery of adipose-derived mesenchymal stromal cells and chondroinductive peptides in cartilage regeneration
D1 - P162	644	Ana Claudia Muniz Renno	In vivo effects of biosilica and spongin-like collagen scaffolds on the healing process in osteoporotic rats
D1 - P164	846	Edvinas Krugly	Integration of polymeric multilayered scaffolds and hydrogel for osteochondral in vitro modeling
D1 - P165	1016	ALESSANDRA SORIENTE	3D-PRINTED HYBRID PCL COMPOSITES FOR OSTEOPOROTIC BONE REGENERATION
D1 - P167	1160	Yibo Fan	Anti-aging hydrogel microspheres regulate mitochondrial function for osteoarthritis therapy
D1 - P168	1215	Kristine Salma-Ancane	Injectable Hydrogel for Antimicrobial and Regenerative Therapy of Bone Fracture-Related Infections
D1 - P169	1258	Zuzanna Pawlak-Likus	Calcium/magnesium carbonate microbeads enriched with heparin or tinzaparin for potential use in bone healing applications
D1 - P171	1299	Antonio Menini	Development and evaluation of a decellularized human bone scaffold for skeletal repair and reconstruction
D1 - P172	1316	Andrada Serafim	High Shape Fidelity 3D printed scaffolds from Sustainable Marine-Derived materials for Bone Tissue Engineering
D1 - P173	1327	Yongseok Choi	PTHrP-functionalized hyaluronic acid hydrogels for growth plate biomimicry
D1 - P174	1333	Kati Rinnekari	Fabrication of compartmentalized bone tissue construct by using 3D dual bioprinting
D1 - P176	1356	Adair Doulah	Exploring the Effects of Human Bone-Derived ECM Hydrogels on the Crosstalk between Endothelial Cells and Bone Stromal Cells in Vascular Osteogenesis
D1 - P177	1388	Jung Bok Lee	Shear Stress-Driven Vascularization and Osteogenesis in a Co-cultured 3D Bone Regeneration Model
D1 - P178	1419	Laura Hoebus	Non-thermal plasma-assisted immobilization of nanohydroxyapatite on electrospun polycaprolactone nanofibers for bone tissue engineering
D1 - P179	343	Jana Markhoff	Celecoxib-loaded 3D printed drug delivery systems for orthodontic implants
D1 - P180	877	Martin Konhefr	Modular Synthesis of Large Poly(amide-carbosilane) Dendrimers Approaching Virion Dimensions
D1 - P182	1247	Katarzyna Kozubal	Effect of the synthesis method on the structure and bioactivity of borate glasses
D1 - P183	1263	Patrycja Gaćkowska-Gondek	High-calcium bioactive borate glasses modified with copper for tissue engineering applications
D1 - P184	1140	Sahranur Tabakoglu	Effect of the parameters of GelMA synthesis on the rheology and printability
D1 - P185	1141	Rodrigo Torres Garcia	Development and Characterization of Bioinks For In Situ Osteochondral Regeneration Through Microextrusion And Filamented Light Bioprinting
D1 - P186	1406	Margaryta Ivanets	Characterization of Surface Properties, Cytocompatibility, and Immunomodulatory Effects of 3D-Printed Hydroxyapatite/Polycaprolactone Composites for Intraoral Bone Regeneration
D1 - P188	1017	Ashish Sharma	Dual crosslinked Interpenetrating polymer network (IPN) of GelMA and sodium alginate for fibrocartilage tissue engineering
D1 - P189	992	Paul Galvez	3D-printed multi-layer composite membrane combining placental tissue and PLGA-HA for bone regeneration applications
D1 - P191	456	Indra Mooij	Differential effects of local surface curvature on human macrophages and mesenchymal stromal cells
D1 - P192	510	Lucie Bačáková	Smart biomaterial coatings with dual antimicrobial and regenerative properties
D1 - P193	41	Lukasz Ceglarski	Novel Sustainable Composites for Bone Tissue Engineering Developed via Cold Sintering
D1 - P194	401	Julia Bünecker Cassel	Niobium-substituted α -tricalcium phosphate: tuning phase stability, solubility and biological response for bone regeneration
D1 - P195	513	Marc Bohner	Needle-Like Hydroxyapatite Particles as Immunological Modulator for Enhanced Osteoinduction
D1 - P196	1126	Andreea Luiza Mirt	Impact of Ionic Release from Mg-Doped Mesoporous Carriers on Fibroblast Behaviour in Hypoxic Environments
D1 - P197	1195	Anna Rubina	Selenium loaded mesoporous bioactive glass for bone infection treatment
D1 - P198	1093	Lucia Baixauli Marin	Reindeer bone protein extract enhances bone healing properties of Beta-Tricalcium Phosphate granule matrix in sheep critical size bone defect model
D1 - P199	197	Karolyne Sousa	3D-Printed Biosilica-Spongin Scaffolds Promote Bone Regeneration: An In Vivo Evaluation
D1 - P200	1350	Mathilde Hindié	Multifunctional Ion-Doped CaP Coatings on Carbon Cloth by Sono-Electrodeposition for Bone Repair
D1 - P201	1099	Anna Krokos	Bioinspired Polydopamine Functionalization of PLLA and PLGA Scaffolds: Dual Strategies for Improved Surface Hydrophilicity
D1 - P202	439	Sreena R	Dual-Crosslinked Injectable Hydrogel Reinforced with Phyto-Loaded Mesoporous Hydroxyapatite for Minimally Invasive Bone defect repair
D1 - P203	209	MinJoo Kim	3D-printed Polycaprolactone-Bioactive Glass Composite Scaffolds for Bone Tissue Engineering: The Effect of Filler Content on Different Surface Modifications
D1 - P204	1148	Federica Giuliano	Nanocomposite Injectable Hydrogels as Support Systems for Mandibular Fracture Healing
D1 - P205	332	Kanade Kaneko	Effect of Formulation Parameters in Mechanical Properties of Coordination Hydrogel

D1 - P208	1341	Ashish Sharma	Novel 3D open-cell lattices for bone tissue engineering: mathematical models, flow permeability, additive manufacturing, and mechanical characterisation
D1 - P209	1103	Celeste Di Meo	Homogeneous-phase crosslinking of biotechnological and animal-derived chondroitin: a comparative physicochemical and biological study
D1 - P210	558	Marie Pau Ginebra	Ultra-long ion-doped hydroxyapatite nanofibers: from brittle ceramics to flexible bioactive scaffolds
D1 - P213	206	Shwu Jen Chang	Plasma-Modified Exosome-Functionalized Surgical Sutures for Meniscal Tear Repair
D1 - P214	279	Robin Schlinkmann	Development of an Electrospun PCL-Based Bilayer Membrane for Guided Bone Regeneration in Periodontal Applications
D1 - P217	1342	Jie Li	Biological Effects of Plant Viruses on Cancer Cell-Macrophage Crosstalk in the Tumor Microenvironment
D1 - P218	1372	Rui Cheng	From Cell Source to Bone Formation: Comparative Osteogenic Performance of Exosomes in a HOB-HUVEC Co-Culture System
D1 - P219	1330	Weng Chi long	Pyroptosis-triggerable multifunctional nanotherapeutics for PTT/PDT therapy with synergistic immune activation against TNBC
D1 - P220	1329	HSIN-CHENG CHIU	H2S-responsive CuSe nanoparticles convert into CuS in situ with band gap modulation for oxygen self-supply and enhanced colon cancer phototherapy
D1 - P221	68	Marlus Chorilli	ENGINEERED LIPOSOMES FOR PULMONARY DRUG DELIVERY
D1 - P222	150	Nimeet Desai	Bioengineering a Mucoadhesive Hydrogel-Nanofibre Composite for Ocular Chemotherapy: Preliminary Validation in a Novel CAM Model of Conjunctival Melanoma
D1 - P223	336	A. Aleyna Akdemir	Angiogenic Potential of Estrogen Loaded Chitosan/PVA Microneedles
D1 - P224	362	Giacomo Di Giambattista	Cerium-catalyzed synthesis of PLGA and PLGA-PEG copolymers for advanced nanoparticle engineering
D1 - P225	391	Kaoru Aoki	Evaluation of cytotoxicity of the surfactant Pluronic F-127
D1 - P226	394	Assunta Borzacchiello	Bioadhesive and Thermosensitive Poloxamer-Based Hydrogel with Tannic Acid and Hyaluronic Acid for Sustained Bladder Cancer Treatment
D1 - P227	1359	Bruno Winter	Changes to improving the user experience in DIW 3D printer
D1 - P228	788	IOANNIS TSAMESIDIS	Engineering Periodontal Cell Sheets From Bench to Application: Protocol Development and Assessment of Osteogenic Capacity
D1 - P229	536	Fwu-Long Mi	Modified citrus pectin/resveratrol based nanoparticles for treatment of aortic dissection
D1 - P230	552	Pu-Sheng Wei	Development of Peptide-Functionalized Lipid Nanoparticles for Enhanced Mucus Penetration and Endosomal Escape
D1 - P231	266	Wen-Wei Wu	A multifunctional ZnO: Cu/FTO/Ag nano-heterostructure platform for high-performance surface-enhanced Raman scattering
D1 - P232	475	San-Yuan Chen	Integration of lattice doping and nanocrystal engineering for a synergistic nanoplatfrom of tumor treatment
D1 - P233	1312	Klaudia Cholewa	Electrospun PLA/PCL-based multilayer biomaterials with antimicrobial functionality and controlled surface topography: preliminary research
D1 - P234	937	Klaudia Cholewa	Biocompatibility challenges of biomaterials in Mechanical Circulatory Support: limitations of in vitro models in predicting in vivo performance
D1 - P235	372	Isabelle Gennart	Optimizing melt electrowriting parameters to predict and control fibre diameter: a design of experiments approach
D1 - P236	1184	Zülat Muganl	3D Hydrogel Biomaterial Bio-Anodes for Biophotovoltaic Energy Harvesting
D2 - P001	396	Hanaa Mehdi Sefiani	Modulating drug delivery from porous titanium implants through hydrogel design and titanium surface functionalization
D2 - P002	403	Karl Schneider	Functionalizing biologically inert textile implants with a drug-laden, bioactive coating
D2 - P004	481	Hesham Elashmouny	Dissolvable polymeric microneedles for localized delivery of citric acid in the treatment of calcinosis
D2 - P005	539	Yota Okuno	Superior immunological shielding of protein conjugates via poly(sarcosine) conjugate
D2 - P006	541	Hajir Ali	Nanofibrous peptide hydrogels as biomimetic platforms for localised delivery of lipid nanoparticles in glioblastoma
D2 - P008	822	Sajida Maryam	Exploring the Potential of Biopolymer Matrices for Dual Chemo-Thermal Therapy in Colorectal Cancer
D2 - P010	1198	Patrycja Domalik-Pyzik	Lipid nanoparticles as an inhalable drug delivery platform for budesonide and ensifentrine in COPD: formulation design and physicochemical characterisation
D2 - P011	1276	Olga Urbanek	A novel drug delivery platform based on electrospun fibres dedicated to endometriosis treatment
D2 - P013	1382	Marlus Chorilli	Development And Design Of Zein Nanoparticles For Colon-Specific Release of Propionate
D2 - P014	1392	Maria Eduarda Sousa Fonseca	Development of alginate-based biomaterial microparticles for the protection and controlled release of a photosensitive antioxidant Amazonian fungal endophytic extract
D2 - P015	1412	Ju Hee Ryu	DNA origami nanostructures as a modular platform for growth factor delivery
D2 - P016		Musab Orak	Lignin based bilayer implantable electrospun patches for hernia repair
D2 - P017	1421	Ranjit Shaw	Injectable Peptide-Based Functional Amyloid Hydrogels as Tunable Depots for Sustained Drug Delivery
D2 - P019	1365	Sofia Siroli	"Matrioska" GelMA hydrogels for sharp on-off ultrasound-triggered drug delivery
D2 - P020	380	Antonín Sedlář	Polyoxazoline Glycopolymers as Galectin-3 Inhibitors for Treatment of Cardiovascular Diseases
D2 - P021	603	Veronica Fontanini	TARGETED NANOPARTICLE DELIVERY OF METAL-BASED DRUGS IN A BIOMIMETIC 3D GLIOBLASTOMA MODEL
D2 - P022	1147	Francesca Foto	Polymeric Nanogels as Targeted Drug Delivery Systems for Prostate Cancer Treatment
D2 - P023	1418	Yusuf Ghazali	Ex vivo permeation of thymoquinone from transfersome formulations: deformable vesicular carriers and their potential for localised transdermal delivery to breast tissue
D2 - P024	181	Pauline Stadler	Accelerated mucopermeation and -penetration of the polypeptide antibiotic Colistin via ionic complexation with polyphosphazene carriers
D2 - P025	672	Rekha Ramesan	Antioxidant conjugated chitosan for localized controlled delivery of antibiotics for chronic wounds
D2 - P026	968	Juhyeong Kang	Reprogramming the dermal microenvironment via hyaluronic acid hydrogels encapsulating extracellular vesicles
D2 - P027	420	Aela Le Brun	Comparing bulk-doping to an innovative click-chemistry surface grafting approach towards antibacterial melt electrowritten polycaprolactone membranes

Added

D2 - P028	105	Lucie Fontaine	Development of degradable hybrid dermal substitute loaded with bioactive compounds from the biodiversity of Reunion Island
D2 - P030	353	Paul Garcia	Engineering a Human Umbilical Cord-Based Biomaterial for Fistula Treatment and Controlled Delivery of Therapeutic Exosomes
D2 - P031	390	Gabriel Alfranca	NANBIOSIS: A distributed research infrastructure bridging Academia and Industry up to preclinical development
D2 - P032	757	Darya Farrokhnemoun	Additive Manufacturing of Porous Ceria-Stabilized Zirconia Ceramics for Drug Delivery
D2 - P033	213	Yong-Ji Chen	Bioadhesive Hyaluronic Acid Microneedle Patch for pH-Responsive Riboflavin Delivery in Recurrent Aphthous Stomatitis
D2 - P034	50	Simon Dumolard	Connecting siRNA Release Kinetics to Cellular Silencing in Chitosan-PEI Polyplexes
D2 - P035	647	VAISHALI MAKWANA	Novel protein-nanoencapsulation platforms, overcoming the protein-delivery challenges for protein therapeutic applications
D2 - P036	119	Tuba OKUR AKSU	Development and characterization of tetracycline-loaded dual crosslinked carboxymethyl cellulose-based hydrogels for wound healing applications
D2 - P037	1107	Matthew Wylie	Synergistic antimicrobial delivery from hydrogel-grafted endotracheal tubes to prevent ventilator-associated pneumonia
D2 - P038	1065	Bin He	Electrospun biodegradable glaucoma stents for controlled local delivery of tacrolimus and Y-27632
D2 - P039	557	Jonas Schimmel	A versatile mesoporous silica nanoparticle platform for pro-regenerative protein delivery
D2 - P040	239	Ashley Rillo-Albert	Leveraging the Mucoadhesive Characteristics of Microparticles to Improve Drug Delivery Systems for Pseudomonas Keratitis Management
D2 - P041	384	Nattie Boisseuil-Nissen	Drug-eluting stents coated with electrospun nanofibers for the treatment of calcified arteries
D2 - P042	682	Stephan Schandl	Enzyme-responsive mPEG-b-polyester vesicles as a drug delivery platform
D2 - P043	1397	Noura A Abdulhafidh Al Hajaj	Targeting Glioma-Neuron Synaptic Communication: A Gene Therapy Perspective
D2 - P045	886	André Moreira	Process Optimization of Flash Nanoprecipitation for Lignin Nanoparticle Synthesis
D2 - P047	568	Binnur Aydogan Temel	Production of next-generation polymeric nanoparticles with thiosemicarbazone metal complex derivatives and investigation of their anticancer properties
D2 - P048	1407	Sony moni Das	Polyphenol-Loaded Nanocarriers for Inhibition of γ D-Crystallin Aggregation: A Non-Surgical Therapeutic Approach to Cataract
D2 - P049	39	Pauline Skigin	Design and synthesis of crosslinking ionizable lipids for the formulation of DNA therapeutics in multifunctional lipid nanoparticles
D2 - P050	984	Mahuya Pakhira	Chain Length-Tailored Fusogenic Lipid Nanovesicles as Efficient Delivery Systems
D2 - P051	1073	Susana Simoes	Reprogramming brain tissue using CRISPR-based nanoformulation
D2 - P054	762	Una Ivkovic	AlgMA-Fibrin Hydrogel for Controlled Delivery of SDF-1-Loaded Nanoparticles in Dental Pulp Regeneration
D2 - P055	208	Debayani Chakraborty	Development of a NIR-activated, Au-AgTiO ₂ -SnO ₂ implantable chip for deep-tissue UTI treatment
D2 - P057	441	Hsing-Wen Sung	Oral β -glucan supplementation enhances PD-1 immunotherapy and alleviates cancer cachexia through a microbiota-gut-brain axis
D2 - P058	653	Aihui Guan	Solid Lipid Nanoparticles for miRNA Delivery for Anti-inflammatory Therapy in ARDS in vitro models
D2 - P059	1130	Martina Kralova	Antiseptic thread based on hyaluronic acid for periodontitis treatment
D2 - P060	1269	Ayça Bal Öztürk	Handheld Electrospinning-Assisted Point-of-Care Fabrication of Aloe Vera-Silk Fibroin Fibrous Wound Dressings for Emergency Burn Care: Evaluation on CAM-Based Preclinical Burn Model
D2 - P061	1368	Maria Eduarda Sousa Fonseca	Prebiotic-loaded mucoadhesive films for vaginal microbiota rebalancing: Development and biological evaluation
D2 - P062		Giuseppe Marino	Precision therapeutic strategies for the treatment of colorectal and hepatocellular cancer
D2 - P064	948	Tuğçe Şener Raman	Real-time single-cell insights into antibacterial interactions of silver-loaded PEGDA/gelatin hydrogels
D2 - P065	611	Jihwan Park	Biotinylated nanoparticle-conjugated streptavidin-associated Salmonella enhances photodynamic therapy and systemic antitumor immunity
D2 - P066	1054	Kristiyan Stilianov Atanasov	Multi-modal hyaluronic acid-derived hydrogels for therapeutic EVs delivery in tendinopathy
D2 - P067	137	Klara Magyari	Skeletal Muscle Regeneration Following Volumetric Muscle Loss Using Bioactive Glass-Biopolymer Composite
D2 - P068	138	Emma Bobu (Cimpoi)	Biomaterials
D2 - P069	144	Kwideok Park	Mesenchymal stem cell-derived extracellular matrix sponge promotes regenerative healing and prevents scarring in burn wounds
D2 - P071	555	Louise Seronvalle	Hybrid Polyphosphoester-Carboxymethylchitosan Scaffolds based on Emulsion Templating for Tissue Engineering
D2 - P072	735	Jana Musilkova	Stem cells and vascular fragments as a cell component for soft tissue replacements
D2 - P073	847	Svenja Nellinger	Serum-Free Generation of Cell-Derived Extracellular Matrix from Human Dermal Fibroblasts and Adipose-Derived Stem Cells
D2 - P075	1242	Matin Mahmoudifard	Enhanced Osteogenic Differentiation and Cell Adhesion on Exosome-Coated Polydopamine-Modified Nanofibrous Scaffolds
D2 - P076	1300	Antonio Menini	A dermal decellularized extracellular matrix (d-ECM) scaffold developed for cardiac tissue engineering (CTE) is actively remodeled in vitro by resident human cardiac progenitor cells (hCPCs).
D2 - P077	1319	Nathan Carpentier	Identifying optimal matrix properties for expansion and differentiation of liver organoids
D2 - P079	907	Sabina Shamieva	Gelatin-microgels as basis of a novel volumetric additive manufacturing biopink in neural tissue engineering
D2 - P080	1387	Batur Ercan	3D Printed Zirconia-Nanoclay Scaffolds for Bone-Tissue Engineering
D2 - P081	734	Batur Ercan	Nanostructured Ti13Nb13Zr (TNZ) Alloy for Orthopedic Applications
D2 - P082	198	Jacek Cieslik	Additive Manufacturing of patient-specific orthoses using PA12 - mechanical assessment of orthotropic properties for finite element validation and replacement of conventional plaster casts
D2 - P083	938	Denys Bondarenko	Fiber-hydrogel composites with covalently reinforced interface for tendon and ligament repair
D2 - P084	1116	Sara Shakibania	Rheological and Electrical Optimization of Eutectic Gels for Conductive Wound Dressings Application
D2 - P085	565	Marie Lombardi	Design of tunable UV-curable polyphosphate hydrogels as 3D-printable inks for tissue engineering
D2 - P086	643	clara barbut	Evaluation of a new angiogenic dermal scaffold for better integration of dermal substitutes
D2 - P087	359	Lora Martin	In vivo evaluation of persistence and integration of two mammary prosthesis models derived from human placental tissue in rats
D2 - P088	320	Elif Conger-Onder	In vivo Performance of Extracellular Vesicle-laden Injectable Hydrogel for Testicular Torsion Repair

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D2 - P090	600	Elena Inzerillo	Development of an implantable PLLA scaffold for isthmocoele prevention
D2 - P091	991	Beatrice Bona	Design of Innovative Shape Memory Polyurethanes for Tendon Tissue Repair
D2 - P092	293	Luis Abenia Artigas	Anodized titanium surfaces modified with flavonoids to improve soft-tissue integration
D2 - P093	417	Carlos Arias Mainer	Improving soft tissue integration of titanium dental abutments through collagen and quercetin surface functionalization
D2 - P094	797	Kae Nicolson	EV-embedded collagen scaffolds for wound healing – A physiochemical model with EV-mimetic liposomes
D2 - P095	157	Christoph Krauß	VECOLLAN® - a promising, recombinant, collagen-like protein for biomedical applications
D2 - P099	713	Matteo Pitton	Optimizing cryo-preservation methods for long-term storage of 3D bioprinted constructs
D2 - P101	98	Farhad Sanaei	X-TRUDE: A Process-Informed Framework for High-Fidelity Analysis of Hydrogel Extrusion
D2 - P102	143	Doina RADUCANU	Microstructure Evolution at Selective Laser Melting of a Biodegradable Mg-alloy
D2 - P103	311	S. Ege Kirbas	Freezing of High Concentrations of Cells for Bioprinting Applications in Space
D2 - P104	466	SHRUTHI G	Digital Light Processing-Based 3D Printing of GelMA-PEGDA-CNF Scaffolds: Quantitative Analysis of Printability Shape Fidelity and Scaffold Properties
D2 - P105	561	Ângela Sousa	Optimization of orodispersible personalized medicines by 3D Printing
D2 - P106	637	Johannes Windisch	A printable crosslinking system for liquid-free hydrogel stabilization for extrusion-based bioprinting in microgravity
D2 - P107	880	Fatih Kurtuldu	Biofabrication of a co-culture system for bone tissue engineering from nanocomposite bioinks incorporating Ga doped mesoporous bioactive glass nanoparticles
D2 - P108	910	Alexandra Cleymann	Fabrication of Hollow Microneedles for Intradermal Delivery by Two-Photon Polymerization of a Biocompatible Photocrosslinkable Polyester
D2 - P109	963	Ann Mignon	Expanding Melt Electrowriting toward Hydrophilic Polymer Systems: Material Design and Processing
D2 - P110	1030	EDVANI MUNIZ	Engineering 3D chitosan dressings crosslinked with genipin (from Genipa americana L.) for enhanced chronic wound healing
D2 - P111	1067	Ayça Bal Öztürk	Engineering a Temperature-Controlled Handheld Bioprinter for Urethral Tissue Regeneration Using Thermosensitive Bioinks
D2 - P112	1112	Ali Eftekhari	Red-Light Tomographic Volumetric 3D Printing in Seconds for Fabrication of Colorless Structures
D2 - P115	1304	Sanjana Singh	Using 3D Bioprinted hiPSC-derived Engineered-Heart-Tissues as a Human Model to Study Variants Associated with Arrhythmia Development
D2 - P119	1346	Anna Dawiec-Lisniewska	Towards rational design of microalgae-laden bioinks for reproducible manufacturing of engineered living materials
D2 - P120	1349	Maciej Weroniczak-Balod	Inclusion of rete ridges in a human skin model for a novel dermatopathological functionality
D2 - P121	1363	Mikotaj Gabka	Development of an Alginate-Keratin Bioink for 3D Bioprinting of Living Wound-Healing Constructs
D2 - P122	1414	Su A Park	Seed-assisted hydrothermal growth of ZnO nanoarrays on 3D-printed scaffolds for enhanced bone tissue engineering applications
D2 - P124	932	Aysu Arslan	Digital Light Processing of PCL/Calcium Phosphate Scaffolds for Bone Regeneration
D2 - P125	681	Thiago Stocco	AI-assisted MRI segmentation and 3D reconstruction for patient-specific proximal tibial growth plate scaffold design
D2 - P126	684	Thiago Stocco	Mechanical optimization of infill architecture in a patient-specific anterior cruciate ligament scaffold
D2 - P127	452	Maïke Schliephake	From Droplets to Microtissues: The Droplet Microarray for High-Throughput 3D Cell Assembly
D2 - P129	715	Matteo Pitton	Design and optimization of a coaxial set-up for 3D bioprinting cardiac fiber-like in vitro models
D2 - P130	1081	Jegor Gusev	Post-printing tunability of printed nitroxide hydrogels for tissue engineering applications
D2 - P131	1399	Volodymyr Kuzmenko	LUMEN X-Enabled DLP Bioprinting of GelMA Hydrogels with Tunable Mechanics and High Cell Viability
D2 - P134	593	Shibam Karmakar	Bio-Ink from Bio-Waste: A Dual Crosslinking Strategy to Develop 3D-Printed Patch for the Treatment of Tympanic Membrane Perforation
D2 - P136	1250	Adina-Nicoleta Trandaf	Towards Stereolithography-Based Breast Phantoms: Evaluation of Photopolymer Resins for Phase Contrast X-ray Imaging
D2 - P137		Samir Zergat	Electrospun Probiotic Fibers as a Novel Biomaterial Strategy for Managing Chronic Otitis Media
D2 - P138	1143	Lisa Larsson	Additive Manufacturing of Biodegradable Magnesium Alloy WE43: Effect of Process Parameters on Microstructure and Resulting Key Properties
D2 - P139	373	Jesslyn Gunawan	Design and Characterization of Bio-Based Hydrogels for Light-Based 3D-Printing
D2 - P140	1088	Bart Bijleveld	Isodimorphic copolyesters enabling non-linear tuning of physico-chemical properties towards light-based additive manufacturing
D2 - P141	940	Nikita Sedush	Design of photo-curable biodegradable lactide- and ε-caprolactone based resins for 3D-printing and bioprinting
D2 - P143	1133	Chiara Santamaria	3D-Printed Amphiphilic Polymer Conetworks (APCNs) as Advanced Functional Biomaterial for Biomedical Application
D2 - P145	755	Baukje van der Ben	On-Chip Microfluidic Strategies for Tunable Microgel Filament Assembly
D2 - P146	95	Marie Hubalek Kalbacova	Cerium-oxide nanoparticles' interactions with cells depends significantly on their surface chemistry (fluorescent tagging)
D2 - P147	280	Julia Schütz	Biofunctionalized electrospun fibers for controlled cell-material interaction in 3D bioprintable systems
D2 - P149	502	Eduarda Baggio Paglia	Elastin-Like Polypeptide multilayers as biointerfaces for rapid tumor cell adhesion
D2 - P150	710	Lara Russo	Silk Fibroin Coatings for Intravascular Sensors: Cytocompatibility and Hemocompatibility Assessment
D2 - P151	835	Clarisse Ribeiro	Electroactive biomaterials for mechanoelectrical modulation of breast cancer cell behaviour
D2 - P152	1111	Sara Shakiban	Impact of Surface Coatings on Biocompatibility of PEDOT:GABA Neural Delivery Systems
D2 - P153	1395	Rui Ling Lee	A changing world: matrix viscoelasticity and degradability synergize to govern stem cell mechanobiology differentially in 3D vs 2D
D2 - P154	1234	Helia Damghani	Impact of Cold Atmospheric Plasma on cells/bacteria surface Interaction for Dental Abutments Using Additively Manufactured 3Y-TZP
D2 - P155	71	Luan Faria	Experimental Bioactive Glass Derived from Rice Husk Silica and Doped with Strontium Enhances Osteogenic Differentiation on Titanium
D2 - P157	1117	Nina Anseeuw	A tunable 3D polyisocyanide hydrogel model to study matrix-dependent T cell infiltration and tumor killing
D2 - P158	54	Polina Navrátilová	Interplay Between Magnesium and Nickel Modulates Cellular Stress and Ion Accumulation During Implant-Associated Metal Exposure
D2 - P159	740	Solveig Uvsløkk	Effects of HEMA on protein S-glutathionylation in human monocytic cells
D2 - P160	848	Jiayi Liu	A Biomimetic Tissue-Engineered 3D Model to Study Osteogenic Cell-Implant Interactions

D2 - P161	188	Andrada-Ioana Damian-Buda	Surface functionalization of mesoporous bioactive glass nanoparticles: modulating protein adsorption and tailoring cell interactions for intracellular ion delivery
D2 - P162	671	Sylvie Ribeiro	Modulation of glial responses using piezoelectric scaffolds under mechanoelectrical stimulation
D2 - P163	1114	Rouba Ghobeira	When aligned nanofibers meet thiol plasma polymerization and gelatin immobilization: a synergistic strategy for enhanced endothelial cell function
D2 - P164	1131	Sheida Aliakbarshirazi	Plasma-assisted polymerization and activation route for high-density primary amine functionalization of PCL/PLGA nanofibers in nerve tissue engineering
D2 - P165	1136	Gabriela Pereira de Freitas	Synergistic Effect of Surfaces Functionalized with Sulfated Chitosan and Hyaluronic Acid on Tumor Cell Capture and Platelet Inhibition
D2 - P166	449	Alberto Portone	Simple Fabrication Method for Cancer Cell Migration Studies on Biomimetic Substrates with Tunable Stiffness
D2 - P167	267	Mai Kubota	Evaluation of immersion period and current-dependent changes in shear bond strength and fracture surface characteristics of resin-modified glass-ionomer-cement
D2 - P168	354	Mariusz Sandomierski	Artificial Enamel Demineralization Assessed by Spectroscopic and Microscopic Methods
D2 - P169	503	Leonor Resina	Biobased composite microrobots for microplastics removal from aquatic environments
D2 - P172	1004	EDVANI MUNIZ	Bioactive properties of Nb ₂ O ₅ powders synthesized at different temperatures
D2 - P173	1187	Leidy Dayana Mayorga Moreno	“Smart Implants: Development of Bioactive Bioglasses with Dual Antitumor and Osteogenic Functionality”
D2 - P174	1371	Zakaria Tabia	Structural and biological investigations of Manganese-Copper/Zinc co-doped ternary 58S bioactive glass
D2 - P175	70	Matteo Montesissa	Cobalt-Substituted Tricalcium Phosphate Nanostructured Coatings for Pro-angiogenic and Osteointegrative Orthopedic Applications
D2 - P177	34	AYIMUHAN AYIMUHAN	Design of PVA-Self Assembling Peptide Composite for Wound Healing Application
D2 - P179	706	Irem Soyhan	Composite power: the uniqueness of hydrotalcite and biodegradable polymers
D2 - P180	792	Zuzanna Buchwald	Fluorinated MOF-801: an Active Additive for Dental Resin-Based Composites
D2 - P181	802	Emily Morris	Multi-functional biocomposite thin film based on CO ₂ -derived and natural biopolymers for wound healing applications
D2 - P184	1328	Monika Muchová	Green synthesis of covalently bonded polypyrrole/cellulose nanofiber composites
D2 - P185	344	Selina Schultz	Incorporation of metal nanoparticles in polymers: surface wettability and biocompatibility
D2 - P186	1347	Anavadya Korothum Kandiyil	Engineering superior bioimplant coatings by electrophoretic deposition of Eu ₂ O ₃ /CeO ₂ /TiO ₂ composites: Fabrication and Characterization
D2 - P187	306	Timo Peltola	Mechanical properties and antibacterial activity of novel bioactive dental restoratives
D2 - P188	116	Anna Tommasini	Computationally driven design of electroactive electrospun fibers for wound healing: from in silico modeling to experimental validation
D2 - P190	190	Anis Allahdiniyan	Asymmetric Crack Opening: A COP Based Method to Estimate Local Mode I Stress Intensity Factors
D2 - P192	470	Muhammad Ateeq	Morphology dependent stiffness–density scaling in healthy, osteoporotic and post COVID trabecular bone: an image based finite element study
D2 - P193	813	Marco Piacentini	Comparative Assessment of Failure Modeling Approaches for Trabecular Structures
D2 - P195	140	Gabriela Lopez-Santana	Left ventricular assist device outflow graft area and its influence on systematic vascular resistance
D2 - P196	412	Linda Maggi	Practical Stress Intensity Factor estimation from Crack Opening Profiles: beyond sharp 2D cracks
D2 - P198	60	Viviana Cimino	Lignin-based hydrogel for indoor cultivation
D2 - P199	500	Antoine Delvaux	α -Alkylidene Bis-Cyclic Carbonates: Building Safer and Greener Polyurethane Hydrogels
D2 - P200	645	Johannes Windisch	Low-concentration formaldehyde fixation enables prolonged sample storage for space-based cell culture experiments
D2 - P201	902	Muhammad Qaisar	Ontology-driven literature integration for a minimal information standard in antimicrobial biomaterials research
D2 - P202	1223	Melis Hazal Porsuk	Identification of specific scFv fragments against a cancer-associated cytokine for potential diagnostic applications
D2 - P203	656	Yasar Kemal ERDOGAN	Investigation of Nanostructured Surface Effect on Hemocompatibility and HUVECs Viability for Stent Application
D2 - P205	364	Lucie Demilly	Chitosan-hyaluronic acid hydrogel: elaboration of a physical hydrogel for tissue engineering application
D2 - P206	426	Sana Ahmed	Tunable Alginate composite hydrogels support formation and stability of Liver Organoids
D2 - P208	514	Beata Świeczko-Żurek	Hydrogels modified with active substances for the regeneration of mucous membranes
D2 - P209	559	Giheon Ha	Real-Time Label-Free Monitoring of Fibrosis-Associated Stiffness Using a Breathing Lung-on-a-Chip
D2 - P211	605	Jidong Li	A multifunctional hydrogel orchestrating healing cascade via sequential immunomodulation and glucose metabolic regulation for diabetic wound repair
D2 - P214	697	sara Ali Hosseinzadeh	Designing Self-Assembling Peptide–Chitosan Composite Hydrogel for Wound Healing Applications
D2 - P215	737	Theofania Kleisoura	Gelatin & Pectin composite hydrogels: When the circular economy reinforces regenerative medicine
D2 - P216	741	Laurane Lamouline	Diffusion and solute–hydrogel interactions in a gelatin-based stromal model for a cornea-on-a-chip
D2 - P217	929	Sharun Khan	Laponite doped injectable dextran hydrogels for controlled delivery of dexamethasone
D2 - P218	949	yeo won kim	Hyaluronic acid/Polynucleotide Hydrogel Patch for Enhanced Wound Healing
D2 - P219	952	Minji Kwon	Immunomodulatory double-network hydrogel for effective wound healing
D2 - P221	1059	Lucas Lemarié	Evaluation of geometric confinement as driving tool for the fusion of hiPSC spheroids into complex tissues: polarized intestinal tuboids
D2 - P222	1156	Emma de Meij	Blue Light–Crosslinked Thiol–Ene Fish Gelatin Hydrogel Enables Localized Delivery and Osteogenic Differentiation of Equine DP-MSCs
D2 - P223	1207	Elisa Restivo	Biomimetic 3D hydrogels for prostate tissue modeling
D2 - P224	1345	Inês Vilela de Sousa	A Self-healing Alginate Hydrogel for Vascularized Tissue Regeneration
D2 - P225	1348	Bidipto Chatterjee	Evaluation of macrophage-mediated immunomodulatory responses to bone extracellular matrix-derived hydrogels
D2 - P226	1411	Youngmee Jung	Supercritical CO ₂ –Decellularized amniotic ECM hydrogel promotes immunomodulatory skin regeneration
D2 - P227	1422	Helena Ghyselen	Establishing a lymphatics-on-a-chip model to study bone marrow mesenchymal-lymphatic endothelial cell interactions in non-union fractures
D2 - P228	51	Anderson De Oliveira Lobo	Tailoring the Microenvironment: Microfiber-Reinforced Cryoprinted Scaffolds for Biomimetic Cartilage Repair

D2 - P229	1265	IOANNIS TSAMESIDIS	Suppression of pro-inflammatory genes by calcium doped mesoporous nanoparticles for pharmacological applications
D2 - P230	747	Marlus Chorili	Nano-in-Microparticles containing mucoadhesive nanoparticles for colon-targeted delivery of Propionate
D2 - P231		Ruben Gerrit Scheuring	A Platform for Bioink Formulation, In-Line Characterization and Reproducible Bioprinting
D3 - P001	1011	Francesca Merlina	Artificial extracellular matrices based on biohybrid hydrogels for CAR-T cell culture
D3 - P002	1102	Tobias Butelmann	Novel yeast exopolysaccharides for 3D cell culture of cancer spheroids
D3 - P003	761	Paola Grillo Coppola	Design of a dynamic dual crosslinkable hydrogel based on engineered hyaluronic acid and gelatin
D3 - P004	904	Thanasis Bouzoukas	Best of both worlds: Grafting synthetic to natural polymers for burn wound healing applications
D3 - P005	1165	Licia Chiudaroli	Development of a vascularized 3D in vitro hepatic lobule model with dynamic perfusion system
D3 - P006	301	Katrien Derkoning	Mussel foot-inspired protein adhesives for soft tissue applications
D3 - P007	507	Hatice Ercan Polat	Dynamic Coordination Chemistry for Tuning Mechanical Behaviour of Catechol-based Hydrogels
D3 - P008	1259	Adrián Rodríguez Rodríguez	Mimicking lymph node 3D architecture in a microfluidic platform
D3 - P010	210	Silvio Uhlir	2-Hydroxyethyl methacrylate binds to Cys-374 of beta-actin in THP-1 monocytes
D3 - P013	350	Sarah Defrançois	A standardized ex vivo porcine skin wound infection model for evaluating antibacterial delivery in wound care
D3 - P014	623	Amanda de Souza	The use of marine-derived collagen skin dressings in the treatment of skin wounds.
D3 - P015	875	Niccolò De Berardinis	COIN™: a modular cell culture insert enabling advanced in vitro models for biomaterial research
D3 - P019	827	Lucie Valkova	In vivo evaluation of 3D-printed titanium: From surface modification to healing
D3 - P022	297	Amisha Desai	Comparative Evaluation of Crosslinking Strategies for Decellularised Bovine Pericardium for NextGeneration Transcatheter Aortic Valve Leaflets
D3 - P023	1272	Lisa Marie Langner	Biological impact on endothelial cells following stimulation by immobilized growth factors
D3 - P024	194	Isabelle Texier	Transforming vaccine administration with dissolvable microneedles
D3 - P025	309	Cindy Elschner	Beyond Decoration: Free-standing Lace Embroidery for 3D Shaped Surgical Mesh Implants
D3 - P027	310	Balbina Makurat-Kasprolewicz	AC vs DC MICRO-ARC OXIDATION: Ca/P/Se-MODIFIED COATINGS ON Ti-13Nb-13Zr ALLOY
D3 - P030	960	Debikanta Pal	Biocompatible MgTiCuZrNb high entropy alloy with superior tribo-corrosion properties under physiological conditions
D3 - P031	989	Heike Helmholtz	Investigation on the effects of Mg degradation products on endothelial cells to evaluate the potential impact on blood vessel formation
D3 - P033	1336	Kanta Kakiuchi	Improvement in balance of strength and ductility of Ti alloys subjected to HPT processing for biomedical applications
D3 - P034	1337	Yuito Kamada	Improvement of mechanical properties of β -type Ti alloy through various strengthening mechanisms for biomedical applications
D3 - P035	1338	Hikaru Morimoto	Relationship between Surface Hardening Layer and Mechanical Properties of α + β Type Titanium Alloy Subjected to Atmospheric Oxidation Treatment for Biomedical and Dental Applications
D3 - P036	1374	Ada Ortowska	POST-PROCESSING OF ADDITIVELY MANUFACTURED Ti6Al4V SCAFFOLDS: BALANCING SURFACE HOMOGENIZATION, POROSITY, AND MECHANICAL STRENGTH
D3 - P037	1377	Giulio Cavaliere	Additive manufacturing of corrosion-resistant Mg-Zn-Ca bulk metallic glass
D3 - P038	625	Maria Concetta Sciabica	Single-step Green Synthesis of Rosmarinic Acid-functionalized Silver Nanoparticles
D3 - P039	1340	Anna Dmitruk	Mg-based TPMS scaffolds for cast bone implants
D3 - P040		Matteo Felice Pezzuto	Simvastatin-loaded poly(ϵ -caprolactone) nanoparticles for perspective application in bone regeneration
D3 - P041	59	Viviana Cimino	Unconventional approach for the synthesis of MOFs based on Vanadium for antidiabetic therapy
D3 - P042	244	Julien Gautrot	Polymer Brush-Based Artificial Organelles for Gene Delivery
D3 - P044	540	Akari Yasuda	Highly-efficient protein encapsulation into thermoresponsive peptoid simple coacervate
D3 - P046	563	Ângela Sousa	Nanoformulation of Silver/DNA/Chitosan as Potential Combination Therapy Against Cervical Cancer
D3 - P047	585	Codrut Costinas	pH-Dependent Molecular Interactions on Graphene Oxide: From Dye Probes to Doxorubicin Delivery
D3 - P049	978	Ance Bärzdiņa	From biological activity to delivery: encapsulation of p-coumaric acid into PLGA nanoparticles for enhanced therapeutic potential
D3 - P050	1064	Juyeong Park	Multifunctional Polymer Nanoparticles for Targeted Liposarcoma Therapy
D3 - P052	1200	Bruno Ribeiro	DNA Origami artificial nano-cages: the next step in localized cell delivery
D3 - P054	1314	Gagana Raghavendra Rao	Plasma-polymerized nanoparticle-hydrogel composites for targeted cancer drug delivery: a green, crosslinker-free fabrication strategy
D3 - P056	1378	Akim Khabotov Bakishev	Deep eutectic nanogels (DENs) as a versatile platform for hydrophobic drug encapsulation
D3 - P057	1400	Betul Yusuf	Smart Engineered Nanoparticles for Atherosclerosis: Challenges and Innovations in Targeted, Multifunctional, and Clinically Viable Systems
D3 - P059	1320	Malak Qassab	FAU-Type Zeolite Nanocarriers for Stabilization of Gadolinium-Based MRI Contrast Agents
D3 - P061	406	Mario di Gennaro	Amphiphilic Hyaluronic Acid Liposome with intrinsic thixotropic behaviour for biostructuralization and soft tissue augmentation
D3 - P062	408	Renan da Silva Nunes	Balancing cytocompatibility and antimicrobial performance in chemometrically optimized chitosan-stabilized sulfur nanoparticles
D3 - P065	995	Ioana Maria Marinescu	PAAm/TOCNF-AgNPs bioactive platforms for antibacterial applications
D3 - P068	277	Hyeryeon Seo	Thiol-responsive multi-layered nanocomposites for switching cell death pathway in cancer therapy
D3 - P070	44	Chun-Wei Chang	Probing Water Dynamics and Water Status in GelMA and dECMMA Hydrogels
D3 - P071	65	Konstantinos Kapnis	Assessment of Collagen-Based Biomaterials for Wound Healing Applications
D3 - P072	709	Angelica Rossi	Effect of different anions on agarose gelation: a comparison of two agarose types
D3 - P073	844	Edvinas Krugly	Solvent ratio optimization of electrospun zein scaffolds for cultured meat
D3 - P074	879	MERVE ILGAR	Effect of Photoinitiator Ratio on Microneedle Hydrogels Produced from Alginate Methacrylate via DLP 3D Printer
D3 - P075	911	Elif Emekdar	Investigation of DLP 3D Printing Performance of Sargassum vulgare Derivative Methacrylated Sodium Alginate Microneedle Hydrogels
D3 - P076	913	Eylul Dila CARKCI	Optimization and Characterization of Sodium Alginate and Metacrylated Sodium Alginate Synthesis From Brown Algae
D3 - P078	1001	Jose Miguel Franchi Chipoco	Exploring Collagen and Alginate from Fish Skin and Seaweed as Sustainable Blue Materials for Equine Wound Dressings
D3 - P081	1214	Mariana Fernandes	Boosting Yeast Antagonism: Wickerhamomyces anomalus Encapsulated In Chitosan-Coated Alginate Beads
D3 - P082	43	Britta Korsulainen	Injectability evaluation of hyaluronan-based hydrogels functionalized with boronic acid

D3 - P083	979	Amir Abdo	CD44-targeted nitric oxide-releasing hyaluronic acid for antifibrotic reprogramming in dermal fibrosis
D3 - P084	296	Hannah Flock	Resorbable Polycarbonate-based NIPUs (Non-Isocyanate Polyurethanes) as Platform Technology for Innovative Medical Textile Implants
D3 - P085	721	Marine de Lapeyrière	A VERSATILE AIR-ASSISTED SPRAYING PLATFORM FOR HIGH-THROUGHPUT FABRICATION OF STRUCTURALLY ROBUST MICROGELS
D3 - P086	1384	Nicole Malette	Reversible Photocrosslinking Polymers: New Materials with Tunable Refractive Indices for Reconfigurable Intraocular Lenses
D3 - P087	1128	Mingjia Chen	Ultra-high-molecular weight PEG bottlebrush polymers up to 22 × 106 Da via rapid RAFT polymerization and chromatography-free fractionation
D3 - P088	1203	Hannes Vandeputte	Reversible photoactive coumarin-based networks with tunable properties for extrusion 3D printing and adhesive uses
D3 - P089	18	Vasyl Haramus	Characterisation of hybrid implants made from titanium and magnesium
D3 - P090	92	Eidvyle Gasiulyte	Electrospun Wheat Gluten Fibrous Scaffolds for Meat Analog Cultivation Applications
D3 - P091	204	Judita Zederytė	Influence of fabrication parameters on the structural stability of chitosan-hydroxyapatite scaffolds for bone regeneration
D3 - P092	205	Edita Vernickaite	Design and characterization of alginate/hydroxyapatite composites for bone scaffold application
D3 - P093	290	Amisha Desai	Effective decellularisation of human bladder biomaterial
D3 - P094	485	Kateryna Diedkova	MXene-Based Biomaterials for Cardiac Tissue Regeneration
D3 - P096	1083	Sofia Satarova	Human articular chondrocytes encapsulated in reinforced GelMA with enhanced mechanical properties show increased expression of chondrogenic markers under dynamic culture conditions
D3 - P097	1105	fahad althamoudi	Electrospun aligned PLA/silk fibroin nanocomposite scaffolds for tendon tissue engineering
D3 - P098	1226	John Redmond	Source Dependent Structure–Function Relationships in Freeze-Dried Porous Collagen Scaffolds for Bone Tissue Engineering
D3 - P100	1405	Sophie Nguyen	In silico design of Mg-based biodegradable scaffolds for the repair of critical-size defects
D3 - P102	446	Sara Ragusa	Design and Mechanical Evaluation of Electrospun Bilayer Grafts for Aortic Replacement
D3 - P103	225	Jone Muñoz Ugartemendia	PLA Blends for Melt-Electrowritten Piezoelectric Scaffolds in Neural Tissue Regeneration
D3 - P104	42	matteo Battaglini	Biomedical applications of multifunctional polydopamine nanotubes
D3 - P105	327	Marie Celine Lefevre	Homotypic targeting of cell membrane-decorated lipid magnetic nanovectors in patient-derived glioblastoma models.
D3 - P106	882	Aysu Arslan	3D printing of thermally responsive shape memory scaffolds for bone regeneration
D3 - P107	999	Jung yeon Park	Ultrasound-Responsive Polymeric Nanobubbles for Acoustical Cell Bursting and Enhanced Anticancer Immunotherapy
D3 - P108	1150	Gülşah Torkay Çay	Electroresponsive GelMA-rGO microneedle patch for biphasic dual-drug delivery in psoriasis
D3 - P109	1236	COSMIN-GABRIEL PAULIUC	Vanillin-functionalized carboxymethyl cellulose/PAM semi-IPN hydrogels for strain-sensitive sensors
D3 - P110	1288	Margarida Fernandes	Smart Nanoformulations for Biopesticide's encapsulation in sustainable Viticulture
D3 - P111	1298	Nuno Honrado	Magnetically aligned short nanofibers for bone regeneration
D3 - P115	177	Risa Miyake	In vivo evaluation of the osteoconductivity of titanium surfaces coated with biodegradable magnesium alloy
D3 - P117	299	Giovana Colombaro Cardoso	Variation of oxidation time by micro-arc in Ti-30Nb-5Mo alloy incorporating Cu ions
D3 - P119	704	Virginia Paredes	Species-dependent biofunctionalization of Ti6Al4V surfaces using microalgae-derived biomolecules
D3 - P120	759	Lenka Klecandova	Impact of Surface Morphology on Bacterial Adhesion to Polyethylene Composites Containing Hybrid Organo-Inorganic Clay Mineral Fillers
D3 - P121	789	Zuzanna Buchwald	Synergistic Surface Modification of Hydroxyapatite with Phytic Acid and Methacrylate for Dental Fillers
D3 - P122	1052	Sajida Maryam	Electro-grafted Organic Interfaces for Enhanced Biointegration of Implants
D3 - P124	1364	Paulina Armatys	Antibacterial surface modifications of metallic implants using a polydopamine interlayer and the antimicrobial peptide HHC-36
D3 - P125	1379	Barbara Rynkus	Long-term degradation behavior of ciprofloxacin-loaded PEO/P(L/G/TMC) hybrid coatings on WE43 magnesium alloy
D3 - P128	72	Cristina Casadidio	Sustainable Sericin–Hyaluronic Acid Conjugate Hydrogels via Green Michael Addition for Regenerative Applications
D3 - P129	74	Elisa Roldan	Cold Plasma-Assisted Green Electrospinning of Gelatin/PVA Scaffolds for Sustainable Biomaterials
D3 - P137	916	João Cinegaglia	Grape byproduct-based active packaging for UV protection of walnuts
D3 - P138	958	Cassia Duarte Oliveira	Development of polymeric biomaterials from banana pseudostem for sustainable packaging applications
D3 - P140	1151	Aysenaz Güneş	Waste-derived eggshell-reinforced chitosan–pectin scaffold: in situ 3D bioprinting for bone regeneration
D3 - P143	1218	Catarina Roque	From Vineyard Residues to High-Value Products: Advances in Bioactive Extraction and Nanoformulations development
D3 - P144	1219	Jasmine Silva	From urban waste to biomedical materials: processing eggshell-derived calcium carbonate into calcium acetate
D3 - P148	1344	Suthasinee WATMANEE	Development of Dual-Chemically Activated Bamboo-Biochar from Waste Bamboo for Sustainable CO2 Capture and Carbon Reduction
D3 - P149	1373	Khemmathin Lueangwattanapong	One-Pot Conversion of Agro-Industrial Residue to Self-Reinforced, Functional Biocomposite Films
D3 - P150	702	Myrto Charitaki	Bioinspired multifunctional GelMA scaffolds fabricated via multiphoton lithography for bone tissue regeneration
D3 - P151	64	IL LAE JUNG	Cytotoxicity and Intradermal Reactivity Tests of the MPP100 Photosensitizer Using a Non-Toxic Solubilizing Buffer
D3 - P153	117	Yu-I HSU	Development of Novel Bone Cement for Osteoporosis Treatment Using Poly(glutamic acid) Composite Materials
D3 - P154	136	Takuya Matsumoto	Detoxifying substances from body using calcium phosphate particles
D3 - P155	1058	Tsuyoshi Kimura	Evaluation of proinflammatory responses to post-processed decellularized ECMs using IL-1β-HiBiT-expressing THP-1 cells
D3 - P156	16	Jui-Che Lin	Antibacterial studies of the surface-modified medical-grade titanium with novel catechol compounds with quaternary ammonium at different carbon chain lengths
D3 - P157	37	Liga Stipniece	Phage- and Antibacterial Metal Ion-Containing Biomaterials as a Multimodal Antibacterial Strategy
D3 - P159	474	Mariusz Sandomierski	Polyphenol-based multifunctional coatings with bioactive ions for antibiotic delivery from implant surfaces
D3 - P160	479	Ana Doimo	Silver Silicate as an Antimicrobial Additive for Dental Resin-Based Composites
D3 - P162	335	Matilde Roquette	Low Modulus and Antibacterial SLM-printed Ti-Nb-based Alloys for Dental and Orthopedic Applications
D3 - P164	282	Bruna Segat	Electrophoretic Deposition Of Chitosan On APTES-functionalized PLA Plates

D3 - P165	1244	Maria Chatzinikolaïdou	A 3D bioprinted bicompartmental breast cancer model for antimetastatic drug screening
D3 - P167	308	Ecem Güngör	SEQUENTIAL INTEGRATED BREAST-VESSEL-BONE MODEL FOR BREAST CANCER BONE METASTASIS
D3 - P169	588	Francesca Tivano	3D-printed bio-based methacrylated pectin patches for personalized skin therapy and regeneration
D3 - P170	908	Monica Boffito	Photoactivated polyurethane hydrogels for biofabrication: tunable thermo-responsive bioinks with enhanced printability and stability
D3 - P171	909	Monica Boffito	Photoactivated click chemistry for 3D models
D3 - P172	683	Lucie Svobodová	Development of an Animal Model of Hypoxia on Porcine Skin Mimicking Diabetic Chronic Wound Treatment
D3 - P173	705	Cesare Gabriele Gaglio	Engineering Perfused Vasculature in Gelatin-Based 3D Tissue Constructs
D3 - P177	1275	Maria Monteiro	One-step Fabrication of Organ-on-chip platforms to screen hydrogel therapeutics
D3 - P179	686	Martina Konecna	Particle swelling impacts the biophysical properties of hyaluronic acid-based microporous annealed particle hydrogels
D3 - P180	964	Tatiana Segura	From Particles to Immune Niches: Engineering Regeneration
D3 - P181	233	SHIRIN SABERIANPOUR	Coating of wound dressings with the biomimetic biomaterial PhenoDrive-U: physicochemical and biocompatibility properties
D3 - P182	261	Selestina Gorgieva	Nanostructured bacterial cellulose membranes as carriers for antibiotic-loaded chitosan nanoparticles in wound infection control
D3 - P183	379	Johanna K. Scheper	The Safe-and-Sustainable-by-Design approach for alternative metal-free wound dressings in NABIHEAL
D3 - P184	496	Olga M. Conde	Optical Coherence Tomography Characterization of Bacterial Cellulose Films
D3 - P187	970	Maria Grazia Raucci	Antibiotic-Loaded Bioactive Glass Systems for Enhanced Wound Healing
D3 - P188	1308	Juan Antonio Marchal Corrales	A Novel Hyaluronic Acid-Based Matrix Containing Sulphated GAGs and Collagen as an Active Ingredient for Wound Healing
D3 - P189	1063	Ana Cristina Flavian Lazaro	Tuning magnetic nanoparticles for wound healing through ROS modulation
D3 - P190	569	Rossella Laurano	Harnessing the therapeutic effects of natural zeolite to engineer personalized chronic skin wound treatments
D3 - P191	971	Lan Yao	A Bioactive and Immunomodulatory DNA Tetrahedron-Mineralized Hydrogel for Craniofacial Bone Regeneration
D3 - P192	1050	Wenyue Sun	Investigation of variations in cellular response of primary human gingival fibroblast originating from different patients
D3 - P193	515	Anna Pierrard	Designing dynamic and printable biomaterials with aldehyde-functionalized benzene-1,3,5-tricarboxamide supramolecular hydrogels
D3 - P194	778	Elisa Pochettino	Supramolecular design of poly(urethane)-based polypseudorotaxane scaffolds for bone regeneration
D3 - P195	859	Azad Aliev	Integrating Supramolecular & Covalent Bonds to Design Spatiotemporal Complexity in Hydrogel Biomaterials
D3 - P196	977	Edward Vermeersch	Unraveling host-guest complexation in (photo-)crosslinkable gelatins for biofabrication purposes
D3 - P197	538	Fábio Pinheiro	Biomechanical performance of PCL cog threads for vaginal wall reinforcement: a ovine model study
D3 - P198	1098	Joana Martins	Geometry-Driven Design of Melt Electrowriting PCL Nerve Guide Conduits for Peripheral Nerve Repair
D3 - P199	1358	Ana Maria Santos Coquillat	Milk extracellular vesicles as nanomedicines and drug delivery systems in bone regeneration
D3 - P201	1190	Nehar Celikkin	Biofabrication of Biomimetic Skeletal Muscle Fascicles via Rotary Wet Spinning and an Aqueous Two-Phase Porous Interface
D3 - P202	367	Marie Lefevre	Multilevel nanosafety screening in freshwater planarians combining organismal endpoints and DNA primary damage assessment
D3 - P203	81100%	Wing Tai Tung	Influence of fibre substrates on iPSC differentiation to cardiomyocytes in 3D gels
D3 - P204	1177	Matthew Baker	Electrospun scaffolds functionalized with a hydrogen sulfide donor stimulate angiogenesis
D3 - P205	800	Negar Abbasi Aval	Droplet microfluidic generation of pancreatic cancer mini spheroids using HPAF-II cells
D3 - P207	1370	Shangling Xin	Immune Cell Extracellular Vesicle-Crosslinked Hydrogel Microparticles for Post-Stroke Brain Immunomodulation and Repair
D3 - P208	1290	Miroslava Rysova	Natural nanobiomaterials for medicine and drug delivery
D3 - P210	522	Bianca Juliane Hurck	Terminally Functionalized Urethane Oligomers Containing Quaternary Ammonium Groups for Antimicrobial Coatings
D3 - P216	292	Tanya Seth	Investigating the coefficient of friction of cartilage-on-PEEK OPTIMA
D3 - P218	1079	Gaurav Dinesh Kulkarni	Electrospun silk-PVDF core-shell fibres for tunable piezoelectricity and guided cell alignment
D3 - P219	25	Naini Chauhan	Designing a novel biodegradable peptide hydrogel scaffolds for cultured meat production
D3 - P220	127	Saarah Mazhar	Designing Peptide Hydrogels as Vehicle for Targeted and Localised in Vivo Therapeutic Delivery
D3 - P222	1268	Henrique Vazão de Almeida	Laser-induced graphene biohybrid substrates for bioelectronics
D3 - P223	930	Amitha Banu Shajahan	Engineering bioinks for urethral tissue engineering through a tissue-informed approach
D3 - P224	1161	Susanna Miettinen	Building Vascularized Tubular Tissues: A Biomaterial-Centered Approach to Urethral Reconstruction
D3 - P225	1423	Renzo Bucca Puy	Experimentally Calibrated and Validated Finite Element Model for the Biomechanical Assessment of Intraocular Lenses
D3 - P226	1424	Promise Ayomide Adekola	Ex vivo permeation and skin deposition of mometasone furoate-loaded nanostructured lipid carriers for localised topical delivery in psoriasis
D3 - P228		Y. Yoneda	Fabrication of Fully Single-Charged layer-by-Layer Nanofilms Based on Strong Polyelectrolytes for Stable Delivery of Anticancer Drugs
D3 - P229		H. Sakai	Engineering the Blood-Brain Barrier: spatiotemporal Control of network Formation with 3D Endothelial Spheroids
D3 - P230		A. Watanabe	Fabrication of cell scaffold capsules via interfacial collagen deposition
D3 - ...	269	Asad Masood	Atmospheric pressure plasma jet polymerized octadiene coatings for infection-resistant biomaterial surfaces
D3 - ...	271	Mahsa Borzouyan Dastjerdi	Engineering a Biofunctionalized 3D-Printed Mesh for Enhanced Anastomotic Healing

Different presenter day

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