



Precision medicine for musculoskeletal regeneration, prosthetics and active ageing

Results

Project Information

PREMUROSA

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[Project website](#)

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Project closed

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€ 3 348 405,36

EU contribution

€ 3 348 405,36

Coordinated by

UNIVERSITA DEGLI STUDI DEL
PIEMONTE ORIENTALE
AMEDEO AVOGADRO

 Italy

CORDIS provides links to public deliverables and publications of HORIZON projects.

Links to deliverables and publications from FP7 projects, as well as links to some specific result types such as dataset and software, are dynamically retrieved from [OpenAIRE](#).

Deliverables

Websites, patent fillings, videos etc. (3)

[Abstracts of 30 articles submitted to peer-reviewed international journals and conferences through SyGMa !\[\]\(529949c2c3dadbaa4e538e8c643454bc_img.jpg\)](#)

[Project website !\[\]\(3dfb8d66e81160ad61421a3452093d1b_img.jpg\)](#)

[Publication of proceedings from Dissemination/soft skills workshops and Final Conference !\[\]\(99f58673407353e96a019fbca558fd72_img.jpg\)](#)

Documents, reports (12)

[Report on in silico design of optimized biomaterials and on their risk assessment by advanced 3D in vitro models !\[\]\(339a16584d5da0f0a3ca4e9ec17bf6a1_img.jpg\)](#)

[Report on Network-wide Recruitment procedures !\[\]\(a870788d6ed9b8fd294b7654a8c8526b_img.jpg\)](#)

[Network Events Training Package - second period !\[\]\(de95854c7ee024cfadc48187bbb781b2_img.jpg\)](#)

[Network events training package - first period !\[\]\(3211b5d1d968fc1665909b34f9f16010_img.jpg\)](#)

Network events training package first period

[Report on validation of in vitro and in silico models and validation of omic signature with clinical data !\[\]\(c50c8b7b2cc2cf9ff925edec0ee94c0d_img.jpg\)](#)

[Reports on safety and efficacy assessment of biomaterials using both in 3D in vitro by risk models !\[\]\(6a9b39b98eb945faa14c645ec99e4eaa_img.jpg\)](#)

[Report on interaction between biomaterials, extracellular matrix and cells from different sources !\[\]\(9c2e8d1b5bd77cb5c9f83b7a9cff79fd_img.jpg\)](#)

[Report on validation of 3D cocultures models to test biomaterials in comparison with in-vivo data regarding materials implantation, previously acquired !\[\]\(e3275251d0893157c3584e20c81dc3ba_img.jpg\)](#)

[Potential inputs for policy makers !\[\]\(f60b7a900783ac3fd531bfd9c111be6d_img.jpg\)](#)

["Report on patient healing and regeneration profile by ""omic"" analysis" !\[\]\(f1c5da15572e3e09d343161be98f508d_img.jpg\)](#)

Report on patient healing and regeneration profile by omic analysis

[Reports on chemical, chemical-physical, topographical and mechanical characterization of reference materials and protocol for their preparation !\[\]\(eabd9f9ababee93effadc3b380fe65fd_img.jpg\)](#)

Reports on chemical chemicalphysical topographical and mechanical characterization of reference materials and protocol for their preparation

Publications

Peer reviewed articles (46) 

[Octacalcium Phosphate-Laden Hydrogels on 3D-Printed Titanium Biomaterials Improve Corrosion Resistance in Simulated Biological Media](#)

Author(s): Aydin Bordbar-Khiabani, Ilijana Kovrlija, Janis Locs, Dagnija Loca, Michael Gasik

Published in: International Journal of Molecular Sciences, Issue Volume 24, Number 17, 13135, 2023, ISSN 1422-0067

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/ijms241713135

[Smart Hydrogels for Advanced Drug Delivery Systems](#)

Author(s): Aydin Bordbar-Khiabani, Michael Gasik

Published in: International Journal of Molecular Sciences, Issue Volume 23, number 7: 3665, 2022, ISSN 1422-0067

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/ijms23073665

[In vitro cytocompatibility of antibacterial silver and copper-doped bioactive glasses](#)

Author(s): Lallukka Mari, Houaoui Amel, Miola Marta, Miettinen Susanna, Massera Jonathan, Verné Enrica

Published in: Ceramics International, Issue Volume 49, Issue 22, Part B, 2023, Page(s) 36044–36055, ISSN 1873-3956

Publisher: Elsevier BV

DOI: 10.1016/j.ceramint.2023.08.284

[Fusion and classification algorithm of octacalcium phosphate production based on XRD and FTIR data](#)

Author(s): Nascimben Mauro, Kovrlija Ilijana, Locs Janis, Loca Dagnija, Rimondini Lia

Published in: Scientific Reports, Issue Volume 14, number 1489, 2024, ISSN 2045-2322

Publisher: Nature Publishing Group

DOI: 10.1038/s41598-024-51795-0

[Pore graded borosilicate bioactive glass scaffolds: in vitro dissolution and cytocompatibility](#)

Author(s): Agata Szczodra, Amel Houaoui, Turkka Salminen, Markus Hannula, Virginia Alessandra Gobbo, Sonya Ghanavati, Susanna Miettinen, Jonathan Massera

Published in: Journal of Materials Science: Materials in Medicine, Issue Volume 35, article number 17 (2024), 2024, ISSN 1573-4838

Publisher: Springer Nature

DOI: 10.1007/s10856-024-06791-1

[Gallium containing calcium phosphates: Potential antibacterial agents or fictitious truth](#)

Author(s): Marika Mosina, Ilijana Kovrlija, Liga Stipniece, Janis Locs

Published in: Acta Biomaterialia, Issue Volume 150, 2022, Page(s) 48-57, ISSN 1878-7568

Publisher: Elsevier BV

DOI: 10.1016/j.actbio.2022.07.063

[A Gut-Ex-Vivo System to Study Gut Inflammation Associated to Inflammatory Bowel Disease \(IBD\)](#)

Author(s): Mara Gagliardi, Romina Monzani, Nausicaa Clemente, Luca Fusaro, Valentina Saverio, Giovanna Grieco, Elżbieta Pańczyszyn, Nissan Yissachar, Francesca Boccafoschi, Marco Corazzari

Published in: Biology, Issue 10/7, 2021, Page(s) 605, ISSN 2079-7737

Publisher: MDPI

DOI: 10.3390/biology10070605

[Deep Flow Cytometry Unveils Distinct Immune Cell Subsets in Inducible T Cell Co-Stimulator Ligand \(ICOSL\)- and ICOS-Knockout Mice during Experimental Autoimmune Encephalomyelitis](#)

Author(s): Raineri Davide, Abreu Hugo, Vilaro Beatrice, Kustrimovic Natasa, Venegoni Chiara, Cappellano Giuseppe, Chiocchetti Annalisa

Published in: International Journal of Molecular Sciences, Issue Volume 25, number 5, 2509, 2024, ISSN 1422-0067

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/ijms25052509

[Cutting-Edge Technologies for Inflamed Joints on Chip: How Close Are We?](#)

Author(s): Emine Kahraman, Ricardo Ribeiro, Meriem Lamghari, Estrela Neto

Published in: Frontiers in Immunology, Issue Volume 13, Article 802440, 2022, ISSN 1664-3224

Publisher: Frontiers Media S.A.

DOI: 10.3389/fimmu.2022.802440

[Challenging applicability of ISO 10993-5 for calcium phosphate biomaterials evaluation: Towards more accurate in vitro cytotoxicity assessment](#)

Author(s): Ilijana Kovrlija, Ksenia Menshikh, Hugo Abreu, Andrea Cochis, Lia Rimondini, Olivier Marsan, Christian Rey, Christèle Combes, Janis Locs, Dagnija Loca

Published in: Biomaterials Advances, Issue Volume 160, June 2024, 213866, 2024, ISSN 2772-9508

Publisher: Elsevier BV

DOI: 10.1016/j.bioadv.2024.213866

[Functionalization of a chemically treated Ti6Al4V-ELI alloy with nisin for antibacterial purposes](#)

Author(s): Gobbo, V.A., Lallukka, M., Gamna, F., Prato, M., Vitale, A., Ferraris, S., Najmi, Z., Cochis, A., Rimondini, L., Massera, J., Spriano, S.

Published in: Applied Surface Science, Issue Volume 620, 2023, Page(s) 156820, ISSN 0169-4332

Publisher: Elsevier BV

DOI: 10.1016/j.apsusc.2023.156820

[Tuning biomechanical behavior and biocompatibility of Mg-Zn-Ca alloys by Mn₃O₄ incorporated plasma electrolytic oxidation coatings](#)

Author(s): Sara Bahrampour, Aydin Bordbar-Khiabani, M. Hossein Siadati, Michael Gasik

Published in: Ceramics International, Issue Volume 50, Issue 17, Part A, 2024, Page(s) 29703-29710, ISSN 1873-3956

Publisher: Elsevier BV

DOI: 10.1016/j.ceramint.2024.05.267

[Surface modification of silicate, borosilicate, and phosphate bioactive glasses to improve/control protein adsorption: PART II](#)

Author(s): Virginia Alessandra Gobbo, Paula Turkki, Cristina Santos Dias Palma, Vijay Singh Parihar, Enrica Vernè, Silvia Spriano, Andre Sanches Ribeiro, Vesa P. Hytönen, Jonathan Massera

Published in: Ceramics International, Issue Volume 49, Issue 8, 15 April 2023, 2023, Page(s) 12856-12865, ISSN 0272-8842

Publisher: Pergamon Press Ltd.

DOI: 10.1016/j.ceramint.2022.12.157

[Molecular Toxicity Virtual Screening Applying a Quantized Computational SNN-Based Framework](#)

Author(s): Nascimben Mauro, Rimondini Lia

Published in: Molecules, Issue Volume 28, number 3, 1342, 2023, ISSN 1420-3049

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/molecules28031342


[Octacalcium phosphate: Innovative vehicle for the local biologically active substance delivery in bone regeneration](#)

Author(s): Ilijana Kovrlija, Janis Locs, Dagnija Loca

Published in: Acta Biomaterialia, 2021, ISSN 1742-7061

Publisher: Elsevier BV

DOI: 10.1016/j.actbio.2021.08.021

[Concomitant silanization and controlled fibronectin adsorption on S53P4 bioactive glass enhances human adipose stem cells spreading and differentiation](#) 

Author(s): Virginia Alessandra Gobbo, Amel Houaoui, Kimiya Tajik, Vesa P. Hytönen, Susanna Miettinen, Jonathan Massera

Published in: Applied Surface Science Advances, Issue Volume 23, September 2024, 100635, 2024, ISSN 2666-5239

Publisher: Elsevier BV

DOI: 10.1016/j.apsadv.2024.100635


[Biomechanical Aspects in Bone Tumor Engineering](#) 

Author(s): Menshikh Ksenia, Banicevic Ivana, Obradovic Bojana, Rimondini Lia

Published in: Tissue Engineering, Part B: Reviews, Issue Volume 30, Number 2, 2023, Page(s) 217-229, ISSN 1937-3376

Publisher: Mary Ann Liebert

DOI: 10.1089/ten.teb.2023.0106

[Improving the inflammatory-associated corrosion behavior of magnesium alloys by Mn3O4 incorporated plasma electrolytic oxidation coatings](#) 

Author(s): Bahrampour Sara, Bordbar-Khiabani Aydin, Siadati M. Hossein, Gasik Michael, Mozafari Masoud

Published in: Chemical Engineering Journal, Issue Volume 483, 1 March 2024, 149016, 2024, ISSN 1873-3212

Publisher: Elsevier BV

DOI: 10.1016/j.cej.2024.149016

[Surface Functionalization of Ti6Al4V-ELI Alloy with Antimicrobial Peptide Nisin](#) 

Author(s): Lallukka Mari, Gamna Francesca, Gobbo Virginia Alessandra, Prato Mirko, Najmi Ziba, Cochis Andrea, Rimondini Lia, Ferraris Sara, Spriano Silvia

Published in: Nanomaterials, Issue Volume 12, Issue 23, 4332, 2022, ISSN 2079-4991

Publisher: MDPI

DOI: 10.3390/nano12234332

[Double-stage discretization approaches for biomarker-based bladder cancer survival modeling](#) 

Author(s): Mauro Nascimben, Manolo Venturin, Lia Rimondini

Published in: Communications in Applied and Industrial Mathematics, Issue 12/1, 2021, Page(s) 29-47, ISSN 2038-0909

Publisher: Sciendo

DOI: 10.2478/caim-2021-0003

[Incorporation of Barium Ions into Biomaterials: Dangerous Liaison or Potential Revolution?](#) 

Author(s): Ilijana Kovrlija; Janis Locs; Dagnija Loca

Published in: Materials, Issue Volume 14, Issue 19, 2021, ISSN 1996-1944

Publisher: MDPI Open Access Publishing

DOI: 10.3390/ma14195772

[Cu-doped bioactive glass with enhanced in vitro bioactivity and antibacterial properties](#) 

Author(s): Lallukka Mari, Miola Marta, Najmi Ziba, Cochis Andrea, Spriano Silvia, Rimondini Lia, Verné Enrica

Published in: Ceramics International, Issue Volume 50, Issue 3, Part B, 2024, Page(s) 5091-5103, ISSN 1873-3956

Publisher: Elsevier BV

DOI: 10.1016/j.ceramint.2023.11.253


[Extracellular Vesicle Protein Expression in Doped Bioactive Glasses: Further Insights Applying Anomaly Detection.](#) 

Author(s): Nascimben, M.; Abreu, H.; Manfredi, M.; Cappellano, G.; Chiocchetti, A.; Rimondini, L.

Published in: International Journal of Molecular Sciences, Issue Vol. 25, num. 6, 2024, Page(s) 3560, ISSN 1422-0067

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/ijms25063560

[FSP1 is a predictive biomarker of osteosarcoma cells' susceptibility to ferroptotic cell death and a potential therapeutic target](#) 

Author(s): Elzbieta Panczyszyn, Valentina Saverio, Romina Monzani, Mara Gagliardi, Jelena Petrovic, Jasmina Stojkovska, Licio Collavin & Marco Corazzari

Published in: Cell Death Discovery, Issue 10, Article number: 87 (2024), 2024, ISSN 2058-7716

Publisher: Springer Nature

DOI: 10.1038/s41420-024-01854-2

[Algorithm-Based Risk Identification in Patients with Breast Cancer-Related Lymphedema: A Cross-Sectional Study](#) 

Author(s): Nascimben Mauro, Lippi Lorenzo, de Sire Alessandro, Invernizzi Marco, Rimondini Lia

Published in: Cancers, Issue Volume 15, Issue 2: 336, 2023, ISSN 2072-6694

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cancers15020336

[Human T-Cell Responses to Metallic Ion-Doped Bioactive Glasses](#) 

Author(s): Abreu, H., Lallukka, M., Miola, M., Spriano, S., Vernè, E., Raineri, D., Leigheb, M., Ronga, M., Cappellano, G., & Chiocchetti, A

Published in: International Journal of Molecular Sciences, Issue Volume 25, Issue 8, 4501, 2024, ISSN 1422-0067

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/ijms25084501


[Probiotics Supplements Reduce ER Stress and Gut Inflammation Associated with Gliadin Intake in a Mouse Model of Gluten Sensitivity](#) 

Author(s): Eleonora Ferrari; Romina Monzani; Valentina Saverio; Mara Gagliardi; Elżbieta Pańcyszyn; Valeria Raia; Valeria Rachela Villella; Gianni Bona; Marco Pane; Angela Amoroso; Marco Corazzari

Published in: Nutrients, Issue Volume 13, Issue 4, 2021, ISSN 2072-6643

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/nu13041221


[Surface modification of silicate, borosilicate and phosphate bioactive glasses to improve/control protein adsorption: PART I](#) 

Author(s): Virginia Alessandra Gobbo, Vijay Singh Parihar, Mirko Prato, Minna Kellomäki, Enrica Vernè, Silvia Spriano, Jonathan Massera

Published in: Ceramics International, Issue Volume 49, Issue 1, 1 January 2023, 2023, Page(s) 1261-1275, ISSN 0272-8842

Publisher: Pergamon Press Ltd.

DOI: 10.1016/j.ceramint.2022.09.105

[Bifunctional Mesoporous Glasses for Bone Tissue Engineering: Biological Effects of Doping with Cerium and Polyphenols in 2D and 3D In Vitro Models](#) 

Author(s): Ksenia Menshikh, Ajay Kumar Reddy, Andrea Cochis, Francesca Fraulini, Alfonso Zambon, Gigliola Lusvardi, Lia Rimondini

Published in: Biomaterials and Biosystems, Issue Volume 14, June 2024, 100095, 2024, ISSN 2666-5344

Publisher: Elsevier BV

DOI: 10.1016/j.bbiosy.2024.100095

[Sound-based assembly of a microcapillary network in a saturn-like tumor model for drug testing](#) 

Author(s): Nicola Di Marzio, Preeta Ananthanarayanan, Anne Géraldine Guex, Mauro Alini, Chiara Riganti, Tiziano Serra

Published in: Materials Today Bio, Issue Volume 16, December 2022, 100357, 2022, ISSN 2590-0064

Publisher: Elsevier BV

DOI: 10.1016/j.mtbio.2022.100357

[Gut-Ex-Vivo system as a model to study gluten response in celiac disease](#) 

Author(s): Mara Gagliardi, Nausicaa Clemente, Romina Monzani, Luca Fusaro, Eleonora Ferrari, Valentina Saverio, Giovanna Grieco, Elżbieta Pańcyszyn, Flavia Carton, Claudio Santoro, Sara Del Mare-Roumani, Sivan Amidror, Nissan Yissachar, Francesca Boccafoschi, Silvia Zucchelli, Marco Corazzari

Published in: Cell Death Discovery, Issue 7/1, 2021, ISSN 2058-7716

Publisher: Springer Nature
DOI: 10.1038/s41420-021-00430-2

[Surface functionalization of anodized tantalum with Mn₃O₄ nanoparticles for effective corrosion protection in simulated inflammatory condition](#)

Author(s): Aydin Bordbar-Khiabani, Sara Bahrampour, Masoud Mozafari, Michael Gasik

Published in: Ceramics International, Issue Volume 48, Issue 3, 2022, Page(s) 3148-3156, ISSN 0272-8842

Publisher: Pergamon Press Ltd.

DOI: 10.1016/j.ceramint.2021.10.088

[Understanding glycosylation: Regulation through the metabolic flux of precursor pathways](#)

Author(s): Scheper Aert, Schofield Jack, Bohara Raghvendra, Ritter Thomas, Pandit Abhay

Published in: Biotechnology Advances, Issue Volume 67, October 2023, 108184, 2023, ISSN 0734-9750

Publisher: Elsevier BV

DOI: 10.1016/j.biotechadv.2023.108184

[The Neuroimmune Interplay in Joint Pain: The Role of Macrophages](#)

Author(s): Daniela P Vasconcelos, Clive Jabangwe, Meriem Lamghari, Cecília J Alves

Published in: Frontiers in Immunology, Issue Volume 13, Article 812962, 2022, ISSN 1664-3224

Publisher: Frontiers Media S.A.

DOI: 10.3389/fimmu.2022.812962

[Differential proteomics profile of microcapillary networks in response to sound pattern-driven local cell density enhancement](#)

Author(s): N. Di Marzio; R. Tognato; E. Della Bella; V. De Giorgis; M. Manfredi; A. Cochis; M. Alini; T. Serra

Published in: Biomaterials and Biosystems, Issue Vol. 14, June 2024, 100094, 2024, ISSN 2666-5344

Publisher: Elsevier BV

DOI: 10.1016/j.bbiosy.2024.100094


[Extracellular Vesicles in Musculoskeletal Regeneration: Modulating the Therapy of the Future](#)

Author(s): Abreu, Hugo; Canciani, Elena; Raineri, Davide; Cappellano, Giuseppe; Rimondini, Lia; Chiocchetti, Annalisa

Published in: Cells, Issue 11(1), 43, 2021, ISSN 2073-4409

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cells11010043

[Electrochemical behavior of additively manufactured patterned titanium alloys under simulated normal, inflammatory, and severe inflammatory conditions](#) 

Author(s): Aydin Bordbar-Khiabani, Michael Gasik

Published in: Journal of Materials Research and Technology, Issue Vol. 26, 2023, Page(s) 356 – 370, ISSN 2214-0697

Publisher: Elsevier

DOI: 10.1016/j.jmrt.2023.07.113


[The waves that make the pattern: a review on acoustic manipulation in biomedical research](#) 

Author(s): A.G. Guex, N. Di Marzio, D. Eglin, M. Alini, T. Serra

Published in: Materials Today Bio, Issue 10, 2021, Page(s) 100110, ISSN 2590-0064

Publisher: Elsevier - Materials Today Bio

DOI: 10.1016/j.mtbio.2021.100110

[High levels of circulating osteopontin in inflammatory lung disease regardless of Sars-CoV-2 infection](#) 

Author(s): Cappellano, G., Abreu, H., Raineri, D., Scotti, L., Castello, L., Vaschetto, R., & Chiocchetti, A.

Published in: EMBO Molecular Medicine, Issue 13(5), 2021, Page(s) e14124, ISSN 1757-4684

Publisher: EMBO Press

DOI: 10.15252/emmm.202114124


[Polygenic risk modeling of tumor stage and survival in bladder cancer](#) 

Author(s): Nascimben Mauro, Rimondini Lia, Corà Davide, Venturin Manolo

Published in: BioData Mining, Issue Volume 15, article number: 23, 2022, ISSN 1756-0381

Publisher: BioMed Central

DOI: 10.1186/s13040-022-00306-w


[Silver-doped glass-ceramic scaffolds with antibacterial and bioactive properties for bone substitution](#) 

Author(s): Lallukka, M., Miola, M., Verné, E., Baino, F.

Published in: Ceramics International, Issue Volume 50, Issue 17, Part B, 2024, Page(s) 30997-31005, ISSN 0272-8842

Publisher: Pergamon Press Ltd.

DOI: 10.1016/j.ceramint.2024.05.404

[Exploring the Formation Kinetics of Octacalcium Phosphate from Alpha-Tricalcium Phosphate: Synthesis Scale-Up, Determination of Transient Phases, Their Morphology and Biocompatibility](#) 

Author(s): Ilijana Kovrlija, Ksenia Menshikh, Olivier Marsan, Christian Rey, Christèle Combes, Janis Locs, Dagnija Loca

Published in: Biomolecules, Issue Volume 13, number 3, 462, 2023, ISSN

2218-273X

Publisher: MDPI

DOI: 10.3390/biom13030462

[A software suite for limb volume analysis applicable in clinical settings: upper limb quantification](#)

Author(s): Nascimben Mauro, Lippi Lorenzo, Invernizzi Marco, Fusco Nicola, Rimondini Lia

Published in: Frontiers in Bioengineering and Biotechnology, Issue Volume 10, May 2022, Article 863689, 2022, ISSN 2296-4185

Publisher: Frontiers Media S.A

DOI: 10.3389/fbioe.2022.863689

[Doxorubicin loaded octacalcium phosphate particles as controlled release drug delivery systems: Physico-chemical characterization, in vitro drug release and evaluation of cell death pathway](#)

Author(s): Kovrlija Ilijana, Panczyszyn Elzbieta, Demir Ozgur, Laizane Marta, Corazzari Marco, Locs Janis, Loca Dagnija

Published in: International Journal of Pharmaceutics, Issue Volume 653, 25 March 2024, 123932, 2024, ISSN 1873-3476

Publisher: Elsevier BV

DOI: 10.1016/j.ijpharm.2024.123932

[Bio-Fabrication: Convergence of 3D Bioprinting and Nano-Biomaterials in Tissue Engineering and Regenerative Medicine](#)

Author(s): Nicola Di Marzio, David Eglin, Tiziano Serra, Lorenzo Moroni

Published in: Frontiers in Bioengineering and Biotechnology, Issue 8, 2020, ISSN 2296-4185

Publisher: Frontiers

DOI: 10.3389/fbioe.2020.00326

[Electrochemical and biological characterization of Ti-Nb-Zr-Si alloy for orthopedic applications](#)

Author(s): Aidin Bordbar-Khiabani, Michael Gasik

Published in: Scientific Reports, Issue Volume 13, Article number: 2312, 2023, ISSN 2045-2322

Publisher: Nature Publishing Group

DOI: 10.1038/s41598-023-29553-5

Conference proceedings (3)

[Physiologically relevant assessment of biomaterials in biomimetic bioreactors aimed for regeneration of skeletal tissues](#)

Author(s): Bojana Obradovic, Jasmina Stojkovska, Jovana Zvicer, Ivana Banicevic, Medic Ana, Sasa Novak, Djordje Veljovic, Vesna Miskovic Stankovic

Published in: TERMIS - 6th World Congress, Book of Abstracts, Issue Volume 28, Issue S1, 2021, Page(s) 429, ISSN 1937-3341

Publisher: Mary Ann Liebert

DOI: 10.5281/zenodo.5898509


[Visually Enhanced Python Functions for Clinical Equality of Measurement Assessment](#) 

Author(s): Nascimben Mauro, Rimondini Lia

Published in: Annals of Computer Science and Information, Issue Volume 32, 2022, Page(s) 241–249, ISSN 2300-5963

Publisher: Polish Information Processing Society (PTI)

DOI: 10.15439/2022f32

[Development of a physiologically relevant 3D in vitro model for osteosarcoma cell cultivation comprising alginate composite scaffolds and a perfusion bioreactor system](#) 

Author(s): Banicevic Ivana, Radonjic Mia, Pavlovic Marija, Milivojevic Milena, Stevanovic Milena, Stojkovska Jasmina, Obradovic Bojana

Published in: Nineteenth Young Researchers' Conference - Material Science and Engineering: Programme and Book of Abstracts, 2021, Page(s) 6, ISBN 978-86-80321-36-3

Publisher: Institute of Technical Sciences of SASA

DOI: 10.5281/zenodo.5898252

Datasets

Datasets via OpenAIRE (2)



[Human IVD lipidomics](#) 

Author(s): Scheper, Aert F; Pandit, Abhay

Published in: Zenodo

[Human IVD lipidomics](#) 

Author(s): Scheper, Aert F; Pandit, Abhay

Published in: Zenodo

Software

[Software kit for 3D laser scanned limb volume quantification](#) 

Author(s): Nascimben, Mauro


Publisher: Zenodo

DOI: 10.5281/zenodo.5849851; 10.5281/zenodo.5849850;
10.5281/zenodo.7243978

Other Research Products

Other Research Products via OpenAire (2)



[Development of a physiologically relevant 3D in vitro model for osteosarcoma cell cultivation comprising alginate composite scaffolds and a perfusion bioreactor system](#) 

Author(s): Banićević, Ivana; Radonjić, Mia; Pavlović, Marija; Milivojević, Milena; Stevanović, Milena; Stojkovska, Jasmina; Obradovic, Bojana

Published in: Zenodo

[Physiologically relevant assessment of biomaterials in biomimetic bioreactors aimed for regeneration of skeletal tissues](#) 

Author(s): Obradovic, Bojana; Stojkovska, Jasmina; Zvicer, Jovana; Banicevic, Ivana; Medic Ana; Sasa Novak; Djordje Veljovic; Stankovic, Vesna Miskovic

Published in: Zenodo

Last update: 4 November 2024

Permalink: <https://cordis.europa.eu/project/id/860462/results>

European Union, 2025