

PERSONAL INFORMATION Nora Bloise

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Dept. of Molecular Medicine, Biochemistry unit
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Nationality Italian

Position:

Assistant Professor in Biochemistry

WORK EXPERIENCE

October 2023 - Assistant Professor (RTDb tenure-track) in Biochemistry, Department of Molecular Medicine, University of Pavia, Italy

2022 – October 2023 research fellowship, Istituti Clinici Maugeri Spa – Società Benefit, Pavia

2019-2022 post-doc researcher, Department of Molecular Medicine, University of Pavia

2018-2019 post-doc researcher, Fondazione Umberto Veronesi

2017-2018 post-doc researcher, Fondazione Umberto Veronesi

2014-2017 post-doc researcher, Department of Molecular Medicine, University of Pavia

2014-2015 visiting researcher, Stem Cell Institute Leuven (SCIL), KUL, University of Leuven, Belgium

2011 - 2014 PhD student in Biomedical Sciences, University of Pavia

2010-2011 research fellowship, Department of Molecular Medicine, University of Pavia

2009-2010 research fellowship, Department of Molecular Medicine, University of Pavia

2021- National Scientific Habilitation (ASN) for Associate Professor in Biochemistry in Italian Universities (Settore Concorsuale 05/E1- Biochimica - Call D.D. 2175/2018, VI semestre) valid from 01/06/2021 to 01/06/2030

Teaching Activity

from 2018 - 2023 Adjunct professor in Biochemistry (3 CFU, SSD BIO/10) for Master Bioengineering course, Dipartimento di Ingegneria Industriale e dell'Informazione, University of Pavia

from 2019 - 2023 Adjunct professor in Molecular Biology (1 CFU, SSD BIO/11) for Dentistry and Dental Prosthetics course, Dipartimento di Scienze Clinico Chirurgiche, Diagnostiche e Pediatriche, University of Pavia

from 2022 - 2023 Adjunct professor in General Pathology (1CFU, SSD MED/4) on the degree course of MEDICINA E CHIRURGIA (Harvey course), Department of Molecular Medicine, University of Pavia

Others teaching activities

-Teaching Assistant (2016-) and tutor (2010-) in Chemistry and Biochemistry (Health Professions of Rehabilitation Sciences course and Basic Science- Medicine and Surgery "Harvey" course, Faculty of Medicine and Surgery)

-Tutor (2018-2019) in Chemistry/Biochemistry for Physical education/sports sciences and Dentistry and Dental Prosthetics, UNIPV

-Co-supervisor of bachelor and master-degree theses

EDUCATION AND TRAINING

- from 2011 - 2014 PhD student in Biomedical Sciences, curriculum Biochemistry, University of Pavia
Thesis project: Cell Behavior Modulation Through Biophysical Factors: Biochemical and Cellular Effects
- from 2006 - 2009 Master's degree with honors in Medical Biotechnologies, University of Florence
Thesis project: L'effetto pleiotropico dell'adiponectina globulare a livello del muscolo scheletrico
- from 2002 - 2006 Bachelor's degree in biotechnologies, University of Florence
Thesis project: Il ruolo dell'adiponectina nel differenziamento muscolare

WORK ACTIVITIES

- Awards**
 - PhD students' residential scholarships in Biomedical Field granted by Centro Comunicazione Ricerca, Collegio Ghislieri, Pavia, Italy, from 2012 to 2014
 - 2017- Award "Lombardia è creatività" for Project "Breast Cancer: Smart nanogold spheres for defeat it" by Consiglio Regionale della Lombardia
 - 2019 Award "Premio G. Mancini" by Rotary Club Cosenza Telesio
 - 2019 Travel Award for young researcher by Società Italiana Biomateriali for the abstract "Synthesis and in vitro characterization of AuNPs conjugated with BEL β -trefoil lectin for breast cancer therapy" to attend "ESB Conference 2019" in Dresden, Germany
 - 2021 Best poster presentation, Convegno della Società Italiana Biomateriali, Lecce 11-14 luglio 2021, poster title: "Targeting HER-2 positive breast cancer cells with photothermal-responsive gold nanoparticles" (N. Bloise, L. De Vita, M. Okkeh, E. Restivo, C. Volpini, P. Pallavicini, L. Visai)
 - 2023 Best poster presentation, Convegno della Società Italiana Biochimica Firenze 7-9 settembre 2023 poster title: "The protein corona changes the biological effect of gold nanoparticles in breast cancer cells"
- Editorial activity**
 - Guest Editor of the Special Issue "Biomaterials for Bone Tissue Engineering 2020" of "Materials(MDPI)()
 - Topic Editor for the Research Topic "Cells, Biomaterials, and Biophysical Stimuli for Bone, Cartilage, and Muscle Regeneration" for Frontiers in Bioengineering and Biotechnology (<https://www.frontiersin.org/research-topics/27396/cells-biomaterials-and-biophysicalstimuli-forbone-cartilage-and-muscle-regeneration>)

Grants 2013: grant "International Mobility Project" AA 2013-2014, University of Pavia
 2015: travel grant for young researcher by Società Italiana di Fotobiologia (Bari, June 2015)
 2016: young researcher grants by COST Action BM1309 to attend "School on Advanced Topics on Cell Model Systems" (Rome, June 2016); 600 euro
 2016: grant Postdoc Fellowships Fondazione Veronesi (FUV) 2017; Project: Advanced Gold Nanovectors for Photothermal Therapy of Breast Cancer; 27000 euro
 2017: grant Postdoc Fellowships FUV 2018; Project: Gold-nanoparticles platform for ER-positive breast cancer therapy; 27000 euro
 2018: grant Postdoc Fellowships FUV 2019; Project: GOLD nanosystems FOR Breast Cancer therapy: insights on their interaction and uptake by different types of breast cancer cells (28.500, declined)
 2021: founder and project leader of the project "Breast cancer: smart nanogold spheres to defeat it. New challenges" granted by crowdfunding platform "UNIVERSITIAMO" of University of Pavia "<https://universitiamo.eu/campaigns/tumore-al-senosconfiggerlo-con-nanosfere-doro-intelligenti-nuove-sfide/>" Funds raise: 9.305 euro (update to 19.12.2023);

PERSONAL SKILLS

Mother tongue(s)	Italian
Other language(s)	English (upper intermediate level)
Job-related skills	Actively involved in public outreach and numerous research dissemination projects
Digital skills	Microsoft Office, Image J, Fiji, Adobe Photoshop, GrapPad, LAS X microscope software for Leica microscope

ADDITIONAL INFORMATION

Statement of Research Interests Nanomedicine for cancer therapy, tissue regeneration and bacterial disease therapy

Publications

1. Bloise N*, Strada S, Dacarro G, Visai L. Gold Nanoparticles Contact with Cancer Cell: A Brief Update. *Int J Mol Sci.* 2022 Jul 12;23(14):7683. doi: 10.3390/ijms23147683. PMID: 35887030; PMCID: PMC9325171. * corresponding author
2. Bloise N*, Waldorff EI, Montagna G, Bruni G, Fassina L, Fang S, Zhang N, Jiang J, Ryaby JT, Visai L. Early Osteogenic Marker Expression in hMSCs Cultured onto Acid Etching-Derived Micro- and Nanotopography 3D-Printed Titanium Surfaces. *Int J Mol Sci.* 2022 Jun 25;23(13):7070. doi: 10.3390/ijms23137070. PMID: 35806083; PMCID: PMC9266831. * corresponding author
3. Bloise N, Fassina L, Focarete ML, Lotti N, Visai L. Haralick's texture analysis to predict cellular proliferation on randomly oriented electrospun nanomaterials. *Nanoscale Adv.* 2022 Feb 16;4(5):1330-1335. doi: 10.1039/d1na00890k. PMID: 36133676; PMCID: PMC9419736.
4. Bloise N*, Okkeh M, Restivo E, Della Pina C, Visai L. Targeting the "Sweet Side" of Tumor with Glycan-Binding Molecules Conjugated-Nanoparticles: Implications in Cancer Therapy and Diagnosis. *Nanomaterials (Basel).* 2021 Jan 22;11(2):289. doi: 10.3390/nano11020289. PMID: 33499388. * corresponding author
5. Bloise N*, Patrucco A, Bruni G, Montagna G, Caringella R, Fassina L, Tonin C, Visai L. In Vitro Production of Calcified Bone Matrix onto Wool Keratin Scaffolds via Osteogenic Factors and Electromagnetic Stimulus. *Materials (Basel).* 2020 Jul 8;13(14):3052. doi: 10.3390/ma13143052. PMID: 32650489; PMCID: PMC7411850. * corresponding author
6. Bloise N, Rountree I, Polucha C, Montagna G, Visai L, Coulombe KLK, Munarin F. Engineering Immunomodulatory Biomaterials for Regenerating the Infarcted Myocardium. *Front Bioeng Biotechnol.* 2020 Apr 7;8:292. doi: 10.3389/fbioe.2020.00292. PMID: 32318563; PMCID: PMC7154131.
7. Bloise N, Massironi A, Della Pina C, Alongi J, Siciliani S, Manfredi A, Biggiogera M, Rossi M,

- Ferruti P, Ranucci E, Visai L. Extra-Small Gold Nanospheres Decorated With a Thiol Functionalized Biodegradable and Biocompatible Linear Polyamidoamine as Nanovectors of Anticancer Molecules. *Front Bioeng Biotechnol*. 2020 Mar 4;8:132. doi: 10.3389/fbioe.2020.00132. PMID: 32195232; PMCID: PMC7065572.
8. Martelli G,* Bloise N,* Merletti A, Bruni G, Visai L, Focarete ML, Giacomini D. Combining Biologically Active β -Lactams Integrin Agonists with Poly(L-lactic acid) Nanofibers: Enhancement of Human Mesenchymal Stem Cell Adhesion. *Biomacromolecules*. 2020 Mar 9;21(3):1157-1170. doi: 10.1021/acs.biomac.9b01550. Epub 2020 Feb 14. PMID: 32011862. *equal contribution
9. Bloise N,* Berardi E,* Gualandi C, Zaghi E, Gigli M, Duellen R, Ceccarelli G, Cortesi EE, Costamagna D, Bruni G, Lotti N, Focarete ML, Visai L, Sampaolesi M. Ether-Oxygen Containing Electrospun Microfibrous and Sub-Microfibrous Scaffolds Based on Poly(butylene 1,4-cyclohexanedicarboxylate) for Skeletal Muscle Tissue Engineering. *Int J Mol Sci*. 2018 Oct 17;19(10):3212. doi: 10.3390/ijms19103212. PMID: 30336625; PMCID: PMC6214009. *equal contribution
10. Bloise N,* Petecchia L, Ceccarelli G, Fassina L, Usai C, Bertoglio F, Balli M, Vassalli M, Cusella De Angelis MG, Gavazzo P, Imbriani M, Visai L. The effect of pulsed electromagnetic field exposure on osteoinduction of human mesenchymal stem cells cultured on nano-TiO₂ surfaces. *PLoS One*. 2018 Jun 14;13(6):e0199046. doi: 10.1371/journal.pone.0199046. PMID: 29902240; PMCID: PMC6002089. *corresponding author
11. Bari A,* Bloise N,* Fiorilli S, Novajra G, Vallet-Regí M, Bruni G, Torres-Pardo A, González-Calbet JM, Visai L, Vitale-Brovarone C. Copper-containing mesoporous bioactive glass nanoparticles as multifunctional agent for bone regeneration. *Acta Biomater*. 2017 Jun;55:493-504. doi: 10.1016/j.actbio.2017.04.012. Epub 2017 Apr 12. PMID: 28412552. *equal contribution
12. Bloise N, Ceccarelli G, Minzioni P, Vercellino M, Benedetti L, De Angelis MG, Imbriani M, Visai L. Investigation of low-level laser therapy potentiality on proliferation and differentiation of human osteoblast-like cells in the absence/presence of osteogenic factors. *J Biomed Opt*. 2013 Dec;18(12):128006. doi: 10.1117/1.JBO.18.12.128006. PMID: 24365957.
13. Ceccarelli G,* Bloise N,* Mantelli M, Gastaldi G, Fassina L, De Angelis MG, Ferrari D, Imbriani M, Visai L. A comparative analysis of the in vitro effects of pulsed electromagnetic field treatment on osteogenic differentiation of two different mesenchymal cell lineages. *Biores Open Access*. 2013 Aug;2(4):283-94. doi: 10.1089/biores.2013.0016. *equal contribution
14. Riva F*, Bloise N*, Omes C, Ceccarelli G, Fassina L, Nappi RE, Visai L. Human ovarian follicular fluid Mesenchymal Stem Cells express osteogenic markers when cultured on Bioglass 58S-coated Titanium scaffolds. Accepted on Materials (MDPI) on 08 05 2023. *equal contribution
15. Okkeh M, Bloise N, Restivo E, De Vita L, Pallavicini P, Visai L. Gold Nanoparticles: Can They Be the Next Magic Bullet for Multidrug-Resistant Bacteria? *Nanomaterials (Basel)*. 2021 Jan 26;11(2):312. doi: 10.3390/nano11020312. PMID: 33530434.
16. Fassina L, Bloise N, Montagna G, Visai L, Mognaschi ME, Benazzo F, Magenes G. Biomaterials and biophysical stimuli for bone regeneration. *J Biol Regul Homeost Agents*. 2018 Nov-Dec 21;32(6 Suppl. 1):41-49. PMID: 30644280.
17. Gualandi C, Bloise N, Mauro N, Ferruti P, Manfredi A, Sampaolesi M, Liguori A, Laurita R, Gherardi M, Colombo V, Visai L, Focarete ML, Ranucci E. Poly-L-Lactic Acid Nanofiber-Polyamidoamine Hydrogel Composites: Preparation, Properties, and Preliminary Evaluation as Scaffolds for Human Pluripotent Stem Cell Culturing. *Macromol Biosci*. 2016 Oct;16(10):1533-1544. doi: 10.1002/mabi.201600061. Epub 2016 Jun 10. PMID: 27282336.
18. Di Lorenzo A, Bloise N, Meneghini S, Suredda A, Tenore GC, Visai L, Arciola CR, Daglia M. Effect of Winemaking on the Composition of Red Wine as a Source of Polyphenols for Anti-Infective Biomaterials. *Materials (Basel)*. 2016 Apr 27;9(5):316. doi: 10.3390/ma9050316. PMID: 28773444; PMCID: PMC5503068.
19. Ceccarelli G, Bloise N, Vercellino M, Battaglia R, Morgante L, De Angelis MG, Imbriani M, Visai L. In vitro osteogenesis of human stem cells by using a three-dimensional perfusion bioreactor culture system: a review. *Recent Pat Drug Deliv Formul*. 2013 Apr;7(1):29-38. doi: 10.2174/187221113804805801. PMID: 22974170.
20. Risi G, Bloise N, Merli D, Icaro-Cornaglia A, Profumo A, Fagnoni M, Quartarone E, Imbriani M, Visai L "In vitro study of Mitoxantrone adsorbed on Multiwall Carbon Nanotubes (MWCNTs) as a drug delivery system to treat breast cancer". *RSC Advances*, 2014, 4:18683-18693. doi: 10.1039/C4RA02366H.
21. Bertoglio F, Bloise N, Oriano M, Petrini P, Sprio S, Imbriani M, Tampieri A, Visai L. Treatment of Biofilm Communities: An Update on New Tools from the Nanosized World. *Applied Sciences* 8(6):845 DOI: 10.3390/app8060844.
22. Fassina L, Bloise N, Ramalingam M, Cusella De Angelis MG, Visai L. Editorial: Cells, biomaterials, and biophysical stimuli for bone, cartilage, and muscle regeneration. *Front Bioeng Biotechnol*. 2023 Apr 11;11:1200368. doi: 10.3389/fbioe.2023.1200368. PMID: 37113670; PMCID: PMC10126727.
23. Gatto ML, Groppo R, Bloise N, Fassina L, Visai L, Galati M, Iuliano L, Mengucci P. Topological, Mechanical and Biological Properties of Ti6Al4V Scaffolds for Bone Tissue Regeneration Fabricated

- with Reused Powders via Electron Beam Melting. *Materials* (Basel). 2021 Jan 5;14(1):224. doi: 10.3390/ma14010224. PMID: 33466387; PMCID: PMC7794945.
24. Merli D, Profumo A, Bloise N, Risi G, Momentè S, Cucca L, Visai L. Indium/Gallium Maltolate Effects on Human Breast Carcinoma Cells: In Vitro Investigation on Cytotoxicity and Synergism with Mitoxantrone. *ACS Omega*. 2018 Apr 30;3(4):4631-4640. doi: 10.1021/acsomega.7b02026. Epub 2018 Apr 26. PMID: 30023897; PMCID: PMC6044947.
25. Cristofaro F, Gigli M, Bloise N, Chen H, Bruni G, Munari A, Moroni L, Lotti N, Visai L. Influence of the nanofiber chemistry and orientation of biodegradable poly(butylene succinate)-based scaffolds on osteoblast differentiation for bone tissue regeneration. *Nanoscale*. 2018 May 10;10(18):8689-8703. doi: 10.1039/c8nr00677f. PMID: 29701213.
26. Di Francesco S, Savio M, Bloise N, Borroni G, Stivala LA, Borroni RG. Red grape (*Vitis vinifera* L.) flavonoids down-regulate collagen type III expression after UV-A in primary human dermal blood endothelial cells. *Exp Dermatol*. 2018 Sep;27(9):973-980. doi: 10.1111/exd.13682. Epub 2018 Jun 28. PMID: 29742305.
27. Gentilini R, Munarin F, Bloise N, Secchi E, Visai L, Tanzi MC, Petrini P. Polysaccharide-based hydrogels with tunable composition as 3D cell culture systems. *Int J Artif Organs*. 2018 Apr;41(4):213-222. doi: 10.5301/ijao.5000667. Epub 2018 Feb 19. PMID: 29637833.
28. Ceccarelli G, Benedetti L, Bloise N, Visai L, Graziano A, Imbriani M, Cusella De Angelis MG. "Building of Bio-Complexes in Maxillofacial" *Current Tissue Engineering*, 2015, 4:30-35. doi: 10.2174/2211542004666150305233815. Review
29. Pacheco DP, Marcello E, Bloise N, Sacchetti A, Brenna E, Visai, Petrini P, "Design of Multifunctional Polysaccharides for Biomedical Applications: A Critical Review", *Current Organic Chemistry* (2018) 22: 1222. <https://doi.org/10.2174/1385272822666171212153320>.
30. Altomare L, Visai L, Bloise N, Arciola CR, Ulivi L, Candiani G, Cigada A, Chiesa R, De Nardo L. Electrochemically deposited gentamicin-loaded calcium phosphate coatings for bone tissue integration. *Int J Artif Organs*. 2012 Oct;35(10):876-83. doi: 10.5301/ijao.5000162. PMID: 23138703.
31. De Gregori S, De Gregori M, Bloise N, Bugada D, Molinaro M, Filisetti C, Allegri M, Schatman ME, Cobiainchi L. In vitro and in vivo quantification of chloroprocaine release from an implantable device in a piglet postoperative pain model. *J Pain Res*. 2018 Nov 8;11:2837-2846. doi: 10.2147/JPR.S180163. PMID: 30510443; PMCID: PMC6231440.
32. Galati M, Gatto ML, Bloise N, Fassina L, Saboori A, Visai L, Mengucci P, Iuliano L, 3D Printing and Additive Manufacturing, doi.org/10.1089/3dp.2022.0108;
33. Zorzetto L, Brambilla P, Marcello E, Bloise N, De Gregori M, Cobiainchi L, Peloso A, Allegri M, Visai L, Petrini P. From micro- to nanostructured implantable device for local anesthetic delivery. *Int J Nanomedicine*. 2016 Jun 8;11:2695-709. doi: 10.2147/IJN.S99028. PMID: 27354799; PMCID: PMC4907738.
34. Fortunati E, Rinaldi S, Peltzer M, Bloise N, Visai L, Armentano I, Jiménez A, Latterini L, Kenny JM. Nano-biocomposite films with modified cellulose nanocrystals and synthesized silver nanoparticles. *Carbohydr Polym*. 2014 Jan 30;101:1122-33. doi: 10.1016/j.carbpol.2013.10.055. Epub 2013 Oct 23. PMID: 24299883.
35. Cochis A, Azzimonti B, Della Valle C, De Giglio E, Bloise N, Visai L, Cometa S, Rimondini L, Chiesa R. The effect of silver or gallium doped titanium against the multidrug resistant *Acinetobacter baumannii*. *Biomaterials*. 2016 Feb;80:80-95. doi: 10.1016/j.biomaterials.2015.11.042. Epub 2015 Dec 2. PMID: 26708086.
36. Vassalli M, Sbrana F, Laurita A, Papi M, Bloise N, Visai L, Bochicchio B. Biological and structural characterization of a naturally inspired material engineered from elastin as a candidate for tissue engineering applications. *Langmuir*. 2013 Dec 23;29(51):15898-906. doi: 10.1021/la403311x. Epub 2013 Dec 11. PMID: 24328291.
37. Saino E, Grandi S, Quartarone E, Maliardi V, Galli D, Bloise N, Fassina L, De Angelis MG, Mustarelli P, Imbriani M, Visai L. In vitro calcified matrix deposition by human osteoblasts onto a zinc-containing bioactive glass. *Eur Cell Mater*. 2011 Jan 14;21:59-72; discussion 72. doi: 10.22203/ecm.v021a05. PMID: 21240845.
38. Saino E, Sbarra MS, Arciola CR, Scavone M, Bloise N, Nikolov P, Ricchelli F, Visai L. Photodynamic action of Tri-meso (N-methyl-pyridyl), meso (N-tetradecyl-pyridyl) porphine on *Staphylococcus epidermidis* biofilms grown on Ti6Al4V alloy. *Int J Artif Organs*. 2010 Sep;33(9):636-45. doi: 10.1177/039139881003300909. PMID: 20963728.
39. Pallavicini P, Donà A, Taglietti A, Minzioni P, Patrini M, Dacarro G, Chirico G, Sironi L, Bloise N, Visai L, Scarabelli L. Self-assembled monolayers of gold nanostars: a convenient tool for near-IR photothermal biofilm eradication. *Chem Commun (Camb)*. 2014 Feb 25;50(16):1969-71. doi: 10.1039/c3cc48667b. PMID: 24406855.
40. Ceccarelli G, Presta R, Lupi SM, Giarratana N, Bloise N, Benedetti L, Cusella De Angelis MG, Rodriguez Y Baena R. Evaluation of Poly(Lactic-co-glycolic) Acid Alone or in Combination with Hydroxyapatite on Human-Periosteal Cells Bone Differentiation and in Sinus Lift Treatment. *Molecules*. 2017 Dec 2;22(12):2109. doi: 10.3390/molecules22122109. PMID: 29207466; PMCID: PMC6149689.
41. Cochis A, Azzimonti B, Sorrentino R, Della Valle C, De Giglio E, Bloise N, Visai L, Bruni G, Cometa S, Pezzoli D, Candiani G, Rimondini L, Chiesa R. Data in support of Gallium (Ga(3+))

antibacterial activities to counteract *E. coli* and *S. epidermidis* biofilm formation onto pro-osteointegrative titanium surfaces. *Data Brief*. 2016 Jan 22;6:758-62. doi: 10.1016/j.dib.2016.01.024. PMID: 26909385; PMCID: PMC4744237.

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44. Guidotti G, Soccio M, Gazzano M, Bloise N, Bruni G, Aluigi A, Visai L, Munari A, Lotti N (2020). Biocompatible PBS-based copolymer for soft tissue engineering: Introduction of disulfide bonds as winning tool to tune the final properties. *POLYMER DEGRADATION AND STABILITY*, ISSN: 0141-3910. doi: 10.1016/j.polymdegradstab.2020.109403.

45. Gatto ML, Furlani M, Giuliani A, Bloise N, Fassina L, Visai L, Mengucci P. Biomechanical performances of PCL/HA micro- and macro-porous lattice scaffolds fabricated via laser powder bed fusion for bone tissue engineering. *Mater Sci Eng C Mater Biol Appl*. 2021 Sep;128:112300. doi: 10.1016/j.msec.2021.112300. Epub 2021 Jul 9. PMID: 34474851.

46. Hosseini, M., Khalil-Allafi, J., Etmannfar, M., ...Bloise, N., Ghalandarzadeh, A. Tackling the challenges facing the clinical applications of pure PEO hydroxyapatite layers: Co-deposition of YSZ nanoparticles, *Materials Chemistry and Physics*, 2023, 293, 126899;

47. Ni W, Ramalingam M, Li Y, Park JH, Dashnyam K, Lee JH, Bloise N, Fassina L, Visai L, De Angelis MGC, Pedraz JL, Kim HW, Hu J. Immunomodulatory and Anti-inflammatory effect of Neural Stem/Progenitor Cells in the Central Nervous System. *Stem Cell Rev Rep*. 2023 Jan 17. doi: 10.1007/s12015-022-10501-1. Epub ahead of print. PMID: 36650367.

48. Guagliano G, Volpini C, Sardelli L, Bloise N, Briatico-Vangosa F, Cornaglia AI, Dotti S, Villa R, Visai L, Petrini P. Hep3Gel: A Shape-Shifting Extracellular Matrix-Based, Three-Dimensional Liver Model Adaptable to Different Culture Systems. *ACS Biomater Sci Eng*. 2023 Jan 9;9(1):211-229. doi: 10.1021/acsbmaterials.2c01226. Epub 2022 Dec 16. PMID: 36525369; PMCID: PMC9832437.

49. Restivo E, Pugliese D, Gallichi-Nottiani D, Sammartino JC, Bloise N, Peluso E, Percivalle E, Janner D, Milanese D, Visai L. Effect of Low Copper Doping on the Optical, Cytocompatible, Antibacterial, and SARS-CoV-2 Trapping Properties of Calcium Phosphate Glasses. *ACS Omega*. 2023 Nov 1;8(45):42264-42274. doi: 10.1021/acsomega.3c04293. PMID: 38024754; PMCID: PMC10652837.

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Pavia, 12 12 2023

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