Università di Genova

Roberta Tasso

Professore associato

ISTRUZIONE E FORMAZIONE

27/03/2009
Dottore di Ricerca (PhD)
Scuola di Dottorato di Scienze e Tecnologie Biomediche, indirizzo Medicina Rigenerative ed Ingegneria dei Tessuti
Dipartimento di Medicina Sperimentale, Università degli Studi di Genova

19/09/2005
Laurea Specialistica in Biotecnologie Medico-Farmaceutiche (Classe 9/S – Classe delle Lauree Specialistiche in Biotecnologie Mediche, Veterinarie e Farmaceutiche) (votazione 110 e Lode)
Scuola di Scienze Mediche e Farmaceutiche
Università degli Studi di Genova

19/09/2003
Laurea Triennale in Biotecnologie (Classe 1 – Classe delle Lauree in Biotecnologie)
Scuola di Scienze Mediche e Farmaceutiche
Università degli Studi di Genova

ESPERIENZA ACCADEMICA

01/11/2021 – ad oggi
Professore Associato (L. 240/10)
Settore: BIOS/10A Biologia Applicata, Settore Concorsuale: 05/F1
Dipartimento di Medicina Sperimentale, Università degli Studi di Genova

01/11/2018 – 31/10/2021
Ricercatore a Tempo Determinato tipo B (RTdB)
Settore: BIOS/10A Biologia Applicata, Settore Concorsuale: 05/F1
Dipartimento di Medicina Sperimentale, Università degli Studi di Genova

01/11/2018 – 31/10/2021
Ricercatore a Tempo Determinato ex art. 15 octies del D.Lgs. 502/1992
IRCCS Ospedale Policlinico San Martino

01/03/2009 – 31/03/2016
Assegnista Universitario
Dipartimento di Medicina Sperimentale, Università degli Studi di Genova

Università di Genova

TITOLI

PRINCIPALI SEMINARI

- Ciferri MC, Impola U, Ilvonen P, Härkönen K, Prittinen J, Millo E, Cortese K, Saara Laitinen S, Tasso R. “Targeting the tumor microenvironment: a click chemistry-based surface-functionalization method and a therapeutic-loading strategy for artificially produced erythrocyte-derived extracellular vesicles”, ETPN2024, June 10-12 2024, Milan (Italy). Oral presentation.
- Ciferri MC, Buonarrivo F, Petretto A, Laitinen S, Cortese K, Gagliani MC, Tasso R. Impact of the production methods on the properties of erythrocyte-derived extracellular vesicles. Tech4EVIta Workshop, 18-20 September 2024, Trieste (Italy). Oral presentation.
- Tasso R. “Dissecting the effects of preconditioning with inflammatory cytokines and hypoxia on the angiogenic potential of Mesenchymal Stromal Cell (MSC)-derived soluble proteins and Extracellular Vesicles (EVs)” TERMIS 6TH World Congress, 15-19 November 2021, Maastricht, The Netherlands. Oral presentation.
- Tasso R. "Mesenchymal stromal cell secretory activity: the role of extracellular vesicles in angiogenesis" 1st EVIta Symposium 2019. (6-8 November 2019); Palermo, Italy. Oral presentation.
- Tasso R. "Circulating BST2+ cells are functionally activated by the injury-regulated systemic factor HGFA". TERMIS-EU 2019. (27-31 May 2019); Rhodes, Greece. Oral presentation.
- Tasso R. "Mesenchymal stromal cell-derived Extracellular Vesicles (EVs) as mediators of antiinflammatory effects: endorsement of macrophage polarization". Stem Cell Research Italy meeting. (5 - 7 June 2019); Naples, Italy. Oral presentation.
- Tasso R. "Mesenchymal stromal cell-derived extracellular vesicles (EVs) as mediators of antiinflammatory effects: endorsement of macrophage polarization". International Society for Extracellular Vesicles (ISEV) (2-6 May 2018); Barcellona, Spain. Poster presentation.
- Tasso R. "Mesenchymal stem cell-derived extracellular vesicles (EVs) as mediators of anti-inflammatory effects: endorsement of macrophage polarization". XVIII Congresso Nazionale Associazione Italiana di Biologia e Genetica Generale e Molecolare (A.I.B.G) (21-22 September 2018); Ferrara, Italy. Oral presentation.
- Tasso R. “Mesenchymal stem cell-derived extracellular vesicles (EVs) as mediators of anti-inflammatory effects: endorsement of macrophage polarization”. TERMIS-EU Chapter Meeting (26-30 June 2017); Davos, Switzerland. Oral presentation.
- Tasso R. "Mesenchymal stem cell-derived extracellular vesicles (EVs) as mediators of anti-inflammatory effects: endorsement of macrophage polarization" 2016 GISM Annual Meeting (20- 21 October 2016); Brescia, Italy. Oral presentation.
- Tasso R. "Mesenchymal stem cell-derived extracellular vesicles (EVs) are actively involved in macrophage polarization and accelerate tissue repair in a mouse model of muscle injury", TERMIS-EU Meeting 2016 (28 June - 1 July); Uppsala, Sweden. Oral Presentation.

- Tasso R. "Mesenchymal stem cell-derived microvesicles exposed to normoxic and hypoxic culture conditions are involved in macrophage polarization" International Society for Extracellular Vesicles-ISEV 2016 Annual Meeting (4-7 May 2016); Rotterdam, The Netherlands. Poster presentation.
- Tasso R. “Identification of a New Cell Population Endowed with a Healing Capacity and Constitutively Circulating in Healthy Conditions”. TERMIS 4th World Congress (8-11 September 2015); Boston, MA, USA. Oral presentation.
- Tasso R. “Identification of a New Cell Population Endowed with a Healing Capacity and Constitutively Circulating in Healthy Conditions”. 3rd Annual Congress of the European Society for Translational Medicine (1-4 September 2015); Vienna, Austria. Oral presentation.
- Tasso R. “Mesenchymal Stem Cells (MSC) induce the homing of endogenous stem/progenitor cells through the activation of alternatively activated macrophages in an ectopic bone formation model”. TERMIS 3rd World Congress (5-8 September 2012); Vienna, Austria. Oral presentation.
- Tasso R. “Mobilization of bone marrow-derived endothelial and perivascular precursors in an ectopic model of bone regeneration”. TERMIS-EU (7-10 June 2011), Granada, Spain. Oral presentation.
- Tasso R. “The Recruitment of Host Progenitor Cells After Mesenchymal Stem Cells (MSC) Implantation Plays a Key Role in the Development of the Tissue-Engineered Bone”. TERMIS-EU (13-17 June 2010), Galway, Ireland. Oral presentation.
- Tasso R. “Recruitment of Host s Stem / Progenitor Cells by Exogenous Mesenchymal Stem Cells and Role of the Recruited Cells in the New Bone Formation”. TERMIS 2nd World Congress (August 31 - September 3 2009), Seoul, Korea. Oral presentation.
- Tasso R, Tortelli F, Mastrogiacomo M, Komlev V, Rustichelli F, Peyrin F, Cancedda R. “In vivo Recruitment of Two “Waves” of Host’s Stem/Progenitor Cells by Exogenous Mesenchymal Stem Cells Seeded onto Porous Ceramic Scaffolds and Role of Endothelial Progenitors in the New Bone Formation”. Davos (June 2009).
- Tasso R, Augello A, Fais F, Truini M, Pennesi G, Cancedda R. “Recruitment of host’s progenitor cells by exogenous mesenchymal stem cells seeded onto porous ceramic”. 6th Marie Curie Cutting Edge InVENTS Conference on Stem cells: from the Petri dish to the clinical application (27-31 October, 2008); Alvor Praia, Algarve, Portugal. Oral presentation eligible for financial support.
- Tasso R. “Education of antigen-specific regulatory T lymphocytes by allogeneic mesenchymal stem cells in tissue engineering settings”. TERMIS-EU meeting (4-7 September, 2007); London, England. Oral presentation selected for the SYIS Project Proposal Competition.
- Tasso R, Augello A, Negrini S.M., Postiglione F, Caridà M, Cancedda R, Pennesi G. “Effects of MSC on the host’s immune system: an in vivo model”. Keystone Symposium on Tissue Engineering and Development Biology (12-17 April 2007); Snowbird, Utah, USA.
- Tasso R, Augello A, Negrini S.M., Cancedda R, Pennesi G. “MSC down-regulate the immune response through the action of Treg: an in vivo model”. Keystone Symposium on Tolerance, Autoimmunity and Immune Regulation (21- 26 March, 2006); Breckenridge, Colorado, USA. Abstract selected to receive scholarship fundings.

Università di Genova

RESPONSABILITÀ SCIENTIFICA PER PROGETTI DI RICERCA INTERNAZIONALI E NAZIONALI, AMMESSI AL FINANZIAMENTO SULLA BASE DI BANDI COMPETITIVI CHE PREVEDANO LA REVISIONE TRA PARI

2024-2027
Progetto dal titolo "Engineered extracellular vesicles as innovative theranostic platform to target metastatic disease" (Grant Reference Number: 24-0042). Ruolo: PI.
Worldwide Cancer Research.

2017-2023
Progetto dal titolo "Genetic barcoding to evaluate the reliability of liquid biopsies in featuring triple negative breast cancer heterogeneity" (IG 2017). Ruolo: Core team member.
AIRC Investigator Grant.

2017-2020
Progetto dal titolo "Controlling cartilage to bone transitions for improved treatment of bone defects and osteoarthritis" (Grant agreement ID: 721432). Ruolo: Rappresentante per il Partner IRCCS Ospedale Policlinico San Martino e responsabile per il Work Package 1 (WP1).
European Community, Programme Marie Sklodowska Curie Innovative Training Networks (MSCA-ITN-ETN) (Horizon 2020).

2015-2019
Progetto dal titolo "The stem cell secretome for doxorubicin-induced cardiomyopathy regeneration" (Project code: GR-2013-02357519). Ruolo: PI.
Ministero della Salute, Programme "Ricerca Finalizzata-Giovani Ricercatori".

INCARICHI DI INSEGNAMENTO O DI RICERCA (FELLOWSHIP) PRESSO QUALIFICATI ATENEI E ISTITUTI DI RICERCA ESTERI O SOVRANAZIONALI

01/11/2018 – ad oggi
- Insegnamento: Biologia (cod. 72707), Modulo di: Fisica, Biologia, Genetica e Statistica, Corso di Laurea – Infermieristica, Università di Genova;
- Insegnamento: Biologia (cod. 72719), Modulo di: Biologia e Genetica, Corso di Laurea – Fisioterapia, Università di Genova;
- Insegnamento: Genetica Generale (cod. 72720), Modulo di: Biologia e Genetica, Corso di Laurea – Fisioterapia, Università di Genova;
- Insegnamento: Genetica Generale (cod. 72711), Modulo di: Fisica, Biologia, Genetica e Statistica, Corso di Laurea – Infermieristica, Università di Genova;
- Laboratorio per Medico in Formazione (cod. 61200), Corso di Laurea Magistrale (Ciclo Unico) – Medicina e Chirurgia;
- Insegnamento: Stem Cell Biology and Regenerative Medicine (with Laboratory) (cod. 98798), Corso di Laurea Magistrale – Medical-Pharmaceutical Biotechnology, Università di Genova.

DIREZIONE O PARTECIPAZIONE A COMITATI EDITORIALI DI RIVISTE, COLLANE EDITORIALI, ENCICLOPEDIE E TRATTATI DI RICONOSCIUTO PRESTIGIO

- Associate Editor per la rivista internazionale Frontiers in Bioengineering and Biotechnology.

- Reviewer per Ie seguenti riviste scientifiche internazionali: Stem Cells, Stem Cell and Development, Stem Cell Translational Medicine, Frontiers in Bioengineering and

Biotechnology, PlosOne, EVCNA, Journal of Extracellular Biology, Journal of Extracellular Vesicles, ecc.

PREMI E RICONOSCIMENTI PER L'ATTIVITÀ SCIENTIFICA, INCLUSA L'AFFILIAZIONE AD ACCADEMIE DI RICONOSCIUTO PRESTIGIO NEL SETTORE

- Membro delle seguenti Società Scientifiche: Tissue Engineering & Regenerative Medicine International Society (TERMIS); International Society for Extracellular Vesicles (ISEV); Stem Cell Research Italy; Italian Society of Mesenchymal Stem Cells (GISM); Italian Society for Biology and Genetics (AIBG).
- Membro del Consiglio Direttivo della Società Italiana per le Vescicole Extracellulari (EVIta).
- External Reviewer per il H2020 Programme Future and Emerging Technologies (FET) Open and Pro-Active Initiative.

PUBBLICAZIONI IN RIVISTE INTERNAZIONALI PEER-REVIEWED

2025
Refining Flow Cytometry-based Sorting of Plasma-derived Extracellular Vesicles.
Reverberi D, Ciferri MC, Rosenwasser N, Catino A, Poppa G, Giusti I, Dolo V, Quarto R, Santamaria S, Colombo M, Coco S, Tasso R. Biol Proced Online. 2025 Aug 20;27(1):33. doi: 10.1186/s12575-025-00293-2.

2025
Extracellular vesicle-mediated chemoresistance in breast cancer: focus on miRNA cargo
Ciferri MC, Tasso R. Extracellular Vesicles and Circulating Nucleic Acids, 2025, 6(1), pp. 112–127. doi: 10.20517/evcna.2024.90.

2024
Standardized Method to Functionalize Plasma-Extracellular Vesicles via Copper-Free Click Chemistry for Targeted Drug Delivery Strategies
Ciferri MC, Bruno S, Rosenwasser N, Gorgun C, Reverberi D, Gagliani MC, Cortese K, Grange C, Bussolati B, Quarto R, Tasso R. ACS Appl Bio Mater. 2024 Aug 19;7(8):5780. doi: 10.1021/acsabm.4c00890.

2024
Standardized Method to Functionalize Plasma-Extracellular Vesicles via Copper-Free Click Chemistry for Targeted Drug Delivery Strategies
Ciferri MC, Bruno S, Rosenwasser N, Gorgun C, Reverberi D, Gagliani MC, Cortese K, Grange C, Bussolati B, Quarto R, Tasso R. ACS Appl Bio Mater. 2024 Aug 19;7(8):5780. doi: 10.1021/acsabm.4c00890.

2023
Platelets and their derived extracellular vesicles: The new generation of markers in non-small cell lung cancer management.
Tasso R, Marconi S, Rossi G, Genova C, Coco S.Drug Discov Today. 2023 Jul;28(7):103616. doi: 10.1016/j.drudis.2023.103616.

2023
5. Prognostic Role of Soluble and Extracellular Vesicle-Associated PD-L1, B7-H3 and B7-H4 in Non-Small Cell Lung Cancer Patients Treated with Immune Checkpoint Inhibitors.

Genova C, Tasso R, Rosa A, Rossi G, Reverberi D, Fontana V, Marconi S, Croce M, Dal Bello MG, Dellepiane C, Tagliamento M, Ciferri MC, Zullo L, Fedeli A, Alama A, Cortese K, Gentili C, Cella E, Anselmi G, Mora M, Barletta G, Rijavec E, Grossi F, Pronzato P, Coco S.Cells. 2023 Mar 8;12(6):832. doi: 10.3390/cells12060832.

2023
Pilot study investigating BP-180 in extracellular vesicles derived from blister fluid of bullous pemphigoid patients.
Gasparini G, Tasso R, Palamà MEF, Ciferri MC, Gentili C, Di Zenzo G, Provini A, Salemme A, Quarto R, Parodi A, Cozzani E. Arch Dermatol Res. 2023;315(6):1837-1841. doi: 10.1007/s00403-023-02560-2.

2022
Preconditioned Mesenchymal Stromal Cell-Derived Extracellular Vesicles (EVs) Counteract Inflammaging.
Gorgun C, Africano C, Ciferri MC, Bertola N, Reverberi D, Quarto R, Ravera S, Tasso R. Cells. 2022;11(22):3695. doi: 10.3390/cells11223695.

2022
Targeting PIK3CA Actionable Mutations in the Circulome: A Proof of Concept in Metastatic Breast Cancer.
Cardinali B, De Luca G, Tasso R, Coco S, Garuti A, Buzzatti G, Sciutto A, Arecco L, Villa F, Carli F, Reverberi D, Quarto R, Dono M, Del Mastro L. Int J Mol Sci. 2022;23(11):6320. doi: 10.3390/ijms23116320.

2022
Circulating miRNAs in Breast Cancer Diagnosis and Prognosis.
Cardinali B, Tasso R, Piccioli P, Ciferri MC, Quarto R, Del Mastro L. Cancers (Basel). 2022;14(9):2317. doi: 10.3390/cancers14092317.

2022
Editorial: Extracellular Vesicles in Bone Oncology.
Perut F, Tasso R, Mannerström B. Front Oncol. 2022;12:861335. doi: 10.3389/fonc.2022.861335.

2021
Role of extracellular vesicles from adipose tissue- and bone marrow-mesenchymal stromal cells in endothelial proliferation and chondrogenesis.
Gorgun C, Palamà MEF, Reverberi D, Gagliani MC, Cortese K, Tasso R, Gentili C. Stem Cells Transl Med. 2021;10(12):1680-1695. doi: 10.1002/sctm.21-0107.

2021
12. The Human Fetal and Adult Stem Cell Secretome Can Exert Cardioprotective Paracrine Effects against Cardiotoxicity and Oxidative Stress from Cancer Treatment.
Villa F, Bruno S, Costa A, Li M, Russo M, Cimino J, Altieri P, Ruggeri C, Gorgun C, De Biasio P, Paladini D, Coviello D, Quarto R, Ameri P, Ghigo A, Ravera S*, Tasso R*, Bollini S*. Cancers (Basel). 2021;13(15):3729. doi: 10.3390/cancers13153729.

2021
Editorial: Bone and Cartilage Regeneration With Extracellular Vesicles.
Tasso R, Grässel S, Zaucke F. Front Bioeng Biotechnol. 2021;9:692836. doi: 10.3389/fbioe.2021.692836.

Università di Genova

2021
Extracellular Vesicles as Biomarkers and Therapeutic Tools: From Pre-Clinical to Clinical Applications.
Ciferri MC, Quarto R, Tasso R. Biology (Basel). 2021;10(5):359. doi: 10.3390/biology10050359.

2021
Dissecting the effects of preconditioning with inflammatory cytokines and hypoxia on the angiogenic potential of mesenchymal stromal cell (MSC)-derived soluble proteins and extracellular vesicles (EVs).
Gorgun C, Ceresa D, Lesage R, Villa F, Reverberi D, Balbi C, Santamaria S, Cortese K, Malatesta P, Geris L, Quarto R, Tasso R. Biomaterials. 2021;269:120633. doi: 10.1016/j.biomaterials.2020.120633.

2019
Extracellular Vesicles as Natural, Safe and Efficient Drug Delivery Systems.
Villa F, Quarto R, Tasso R. Pharmaceutics. 2019;11(11):557. doi: 10.3390/pharmaceutics11110557.

2019
Isolation and Flow Cytometry Characterization of Extracellular-Vesicle Subpopulations Derived from Human Mesenchymal Stromal Cells.
Gorgun C, Reverberi D, Rotta G, Villa F, Quarto R, Tasso R. Curr Protoc Stem Cell Biol. 2019;48(1):e76. doi: 10.1002/cpsc.76.

2018
Circulating healing (CH) cells expressing BST2 are functionally activated by the injury-regulated systemic factor HGFA.
Lo Sicco C, Reverberi D, Villa F, Pfeffer U, Quarto R, Cancedda R, Tasso R. Stem Cell Res Ther. 2018;9(1):300. doi: 10.1186/s13287-018-1056-1.

2018
A Method for Isolating and Characterizing Mesenchymal Stromal Cell-derived Extracellular Vesicles.
Lo Sicco C, Reverberi D, Pascucci L, Tasso R. Curr Protoc Stem Cell Biol. 2018;46(1):e55. doi: 10.1002/cpsc.55.

2018
Delivery of cellular factors to regulate bone healing.
Haumer A, Bourgine PE, Occhetta P, Born G, Tasso R, Martin I. Adv Drug Deliv Rev. 2018;129:285-294. doi: 10.1016/j.addr.2018.01.010.

2017
Harnessing Endogenous Cellular Mechanisms for Bone Repair.
Lo Sicco C, Tasso R. Front Bioeng Biotechnol. 2017;5:52. doi: 10.3389/fbioe.2017.00052.

2017
Learning from Mother Nature: Innovative Tools to Boost Endogenous Repair of Critical or Difficult-to-Heal Large Tissue Defects.
Cancedda R, Bollini S, Descalzi F, Mastrogiacomo M, Tasso R. Front Bioeng Biotechnol. 2017; 28:5:28. doi: 10.3389/fbioe.2017.00028.

2017

Mesenchymal Stem Cell-Derived Extracellular Vesicles as Mediators of Anti-Inflammatory Effects: Endorsement of Macrophage Polarization.
Lo Sicco C, Reverberi D, Balbi C, Ulivi V, Principi E, Pascucci L, Becherini P, Bosco MC, Varesio L, Franzin C, Pozzobon M, Cancedda R, Tasso R. Stem Cells Transl Med. 2017;6(3):1018-1028. doi: 10.1002/sctm.16-0363.

2016
Down-regulation of 21A Alu RNA as a tool to boost proliferation maintaining the tissue regeneration potential of progenitor cells.
Gigoni A, Costa D, Gaetani M, Tasso R, Villa F, Florio T, Pagano A. Cell Cycle. 2016;15(18):2420-30. doi: 10.1080/15384101.2016.1181242.

2015
Identification of a New Cell Population Constitutively Circulating in Healthy Conditions and Endowed with a Homing Ability Toward Injured Sites.
Lo Sicco C, Tasso R, Reverberi D, Cilli M, Pfeffer U, Cancedda R. Sci Rep. 2015;5:16574. doi: 10.1038/srep16574.

2014
Mesenchymal stem cell paracrine activity is modulated by platelet lysate: induction of an inflammatory response and secretion of factors maintaining macrophages in a proinflammatory phenotype.
Ulivi V, Tasso R, Cancedda R, Descalzi F. Stem Cells Dev. 2014;23(16):1858-69. doi: 10.1089/scd.2013.0567.

2013
The Regenerative Role of the Fetal and Adult Stem Cell Secretome.
Bollini S, Gentili C, Tasso R, Cancedda R. J Clin Med. 2013;2(4):302-27. Doi: 10.3390/jcm2040302.

2013
In vivo implanted bone marrow-derived mesenchymal stem cells trigger a cascade of cellular events leading to the formation of an ectopic bone regenerative niche.
Tasso R, Ulivi V, Reverberi D, Lo Sicco C, Descalzi F, Cancedda R. Stem Cells Dev. 2013;22(24):3178-91. doi: 10.1089/scd.2013.0313.

2012
Dichloroacetate inhibits neuroblastoma growth by specifically acting against malignant undifferentiated cells.
Vella S, Conti M, Tasso R, Cancedda R, Pagano A. Int J Cancer. 2012;130(7):1484-93. doi: 10.1002/ijc.26173.

2012
Bone turnover in wild type and pleiotrophin-transgenic mice housed for three months in the International Space Station (ISS).
Tavella S, Ruggiu A, Giuliani A, Brun F, Canciani B, Manescu A, Marozzi K, Cilli M, Costa D, Liu Y, Piccardi F, Tasso R, Tromba G, Rustichelli F, Cancedda R. PLoS One. 2012;7(3):e33179. doi: 10.1371/journal.pone.0033179.

2012
The role of bFGF on the ability of MSC to activate endogenous regenerative mechanisms in an ectopic bone formation model.

Tasso R, Gaetani M, Molino E, Cattaneo A, Monticone M, Bachi A, Cancedda R. Biomaterials. 2012;33(7):2086-96. doi: 10.1016/j.biomaterials.2011.11.043.

2012
Mesenchymal stem cells induce functionally active T-regulatory lymphocytes in a paracrine fashion and ameliorate experimental autoimmune uveitis.
Tasso R, Ilengo C, Quarto R, Caspi RR, Pennesi G. Investigative Ophthalmology and Visual Science. 2012;53(2):786-793. doi: 10.1167/iovs.11-8211.

2010
Lipocalin-2 controls the expression of SDF-1 and the number of responsive cells in bone.
Costa D, Biticchi R, Negrini S, Tasso R, Cancedda R, Descalzi F, Pennesi G, Tavella S. Cytokine. 2010;51(1):47-52. doi: 10.1016/j.cyto.2010.02.009.

2010
The recruitment of two consecutive and different waves of host stem/progenitor cells during the development of tissue-engineered bone in a murine model.
Tasso R, Fais F, Reverberi D, Tortelli F, Cancedda R. Biomaterials. 2010;31(8):2121-9. doi: 10.1016/j.biomaterials.2009.11.064.

2010
An Alu-like RNA promotes cell differentiation and reduces malignancy of human neuroblastoma cells.
Castelnuovo M, Massone S, Tasso R, Fiorino G, Gatti M, Robello M, Gatta E, Berger A, Strub K, Florio T, Dieci G, Cancedda R, Pagano A. FASEB J. 2010;24(10):4033-46. doi: 10.1096/fj.10-157032.

2010
The development of tissue-engineered bone of different origin through endochondral and intramembranous ossification following the implantation of mesenchymal stem cells and osteoblasts in a murine model.
Tortelli F, Tasso R, Loiacono F, Cancedda R. Biomaterials. 2010;31(2):242-9. doi: 10.1016/j.biomaterials.2009.09.038.

2009
Organization of extracellular matrix fibers within polyglycolic acid-polylactic acid scaffolds analyzed using X-ray synchrotron-radiation phase-contrast micro computed tomography.
Albertini G, Giuliani A, Komlev V, Moroncini F, Pugnaloni A, Pennesi G, Belicchi M, Rubini C, Rustichelli F, Tasso R, Torrente Y. Tissue Eng Part C Methods. 2009;15(3):403-11. doi: 10.1089/ten.tec.2008.0270.

2009
Recruitment of a host's osteoprogenitor cells using exogenous mesenchymal stem cells seeded on porous ceramic.
Tasso R, Augello A, Boccardo S, Salvi S, Caridà M, Postiglione F, Fais F, Truini M, Cancedda R, Pennesi G. Tissue Eng Part A. 2009;15(8):2203-12. doi: 10.1089/ten.tea.2008.0269.

2009
When stem cells meet immunoregulation.
Tasso R, Pennesi G. Int Immunopharmacol. 2009;9(5):596-8. doi: 10.1016/j.intimp.2009.01.014.

2007
Cell therapy using allogeneic bone marrow mesenchymal stem cells prevents tissue damage in collagen-induced arthritis.

Augello A, Tasso R, Negrini SM, Cancedda R, Pennesi G. Arthritis and Rheumatism. 2007; 56(4):1175-1186. doi: 10.1002/art.22511.

2005

Bone marrow mesenchymal progenitor cells inhibit lymphocyte proliferation by activation of the programmed death 1 pathway.

Augello A, Tasso R, Negrini, SM, Amateis A, Indiveri F, Cancedda R, Pennesi G. European Journal of Immunology. 2005; 35(5):1482-1490. doi: 10.1002/eji.200425405.