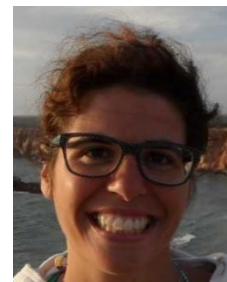


MARTA TUNESI
CURRICULUM VITAE

PERSONAL INFORMATION

Marta Tunesi
Date of birth: **December 6th, 1982**

Politecnico di Milano
Dept. Materials, Chemistry and Chemical Engineering “G. Natta”
Piazza L. da Vinci 32, 20133 Milan
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ORCID: <http://orcid.org/0000-0003-2507-6186>

Researcher ID: G-4420-2018

Scopus Author ID: 24170072800

EDUCATION

- 2006 MS in Biomedical Engineering, Politecnico di Milano, Italy (110 e Lode)
Title of the thesis: “*In vitro analysis of different surface treatments on osseointegrated dental implants*”
- 2008 Italian Professional Engineering Licensure, Politecnico di Milano
- 2011 PhD with laude in Materials Engineering, School of Engineering, Politecnico di Milano
Title of the thesis: “*Engineered hydrogel constructs for drug delivery and cell housing in central nervous system applications*”

CURRENT POSITION

2017 - today **Untenured Researcher** (Italian Law n. 240/10), SSD 09-G2, ING/IND-34

PREVIOUS POSITIONS

- 2007 Validation consultant, Stericheck Consulting S.r.l, Legnano, MI, Italy
- 2008 - 2011 PhD student, School of Engineering, Politecnico di Milano
- 2011 - 2017 Post-doctoral fellow, School of Engineering, Politecnico di Milano

TEACHING

Bachelor and Master Courses

- 2009 - 2019 Teaching assistant and Tutor of the course “**Laboratory of Biocompatibility and Cell Cultures**”, MS in Biomedical Engineering, Politecnico di Milano
- 2015 - 2016 Teaching assistant and Tutor of the course “**Project in Chemical Bio-engineering**”, BS in Biomedical Engineering, Politecnico di Milano
- 2017 - 2018 Teaching assistant and Tutor of the course “**Project**”, BS in Biomedical Engineering, Politecnico di Milano
- 2018 - 2019 Lecturer of the course “**Laboratory of Micro/Nanostructures**”, MS in Biomedical Engineering, Politecnico di Milano

PhD Courses and Seminars

- 2015 - 2016 Lecturer in the course *Mechanobiology*, PhD School of Bioengineering, Politecnico di Milano
- 2017 - 2018 Lecturer - Seminar day: *Microscopic techniques applied to the study of biomaterials*, PhD School of Biotechnologies, Biosciences and Surgical Technologies, University of Insubria, Varese
- 2018 - 2019 Lecturer - Seminar day: *Microscopic techniques applied to the in vitro study of biomaterials*, PhD School of Biotechnologies and Biosciences, University of Insubria,

SCIENTIFIC ACTIVITY

My research activities have focused on the following topics:

- ✓ *development and characterization of biomaterials for central nervous system applications, especially hydrogel-based cell housing/drug delivery systems against central nervous system neurodegeneration;*
- ✓ *dynamic culturing systems for advanced in vitro models of brain neurodegeneration;*
- ✓ *identification of candidate molecules whose targeting might enable a new understanding of brain recovery after damage;*
- ✓ *evaluation of materials for other than brain-related biomedical applications and analysis of the effect of stem cell morphology on their differentiation state.*

Co-supervisor of 22 Master Degree students

Reviewer for several Journals, such as

- Colloids and Surfaces B: Biointerfaces
- Journal of Applied Biomaterials & Functional Materials
- Life Sciences
- Materials
- Molecules
- Part H: Journal of Engineering in Medicine
- PLoS One
- Polymers

Participation to different research activities in national and international projects, funded after peer review:

- 2011 - 2012 *Development of additional features for Made in Italy products-FAMA*
Funder: Lombardy Region, Italy
- 2012 *MANTELLO: Materials and packaging for thermal maintenance aimed to energy saving in logistic and transport of fresh food products*
Funder: Lombardy Region, Italy
- 2012 - 2015 *NANOBRAIN (G.A. 2011-0335): Nanostructured hydrogels for the controlled release of engineered therapeutic proteins against Parkinson's disease-related neurodegeneration*
Funder: Cariplo Foundation, Italy
- 2015 - 2017 *ERC-CoG-2014 NICHOID (G.A. 646990): Mechanobiology of nuclear import of transcription factors modelled within a bioengineered stem cell niche*
Funder: European Research Council, Belgium
- 2017 - today *ERC-CoG-2016 MINERVA (G.A. 724734): MICrobiota-Gut-BraiN EngineeRed platform to eVALuate intestinal microflora impact on brain functionality*
Funder: European Research Council, Belgium

Visiting researcher

- 08/2009 - 12/2009 Mc Govern Institute for Brain Research, Massachusetts Institute of Technology, Cambridge, MA, US (<http://web.mit.edu/bcs/bizzilab/>)
- 07/2011 Instituto de Engenharia Biomedica, Porto, Portugal

Research activities at other Italian institutions

- 2009 - 2013 Institute for Composite and Biomedical Materials (now Institute for Polymers, Composites and Biomaterials), National Research Council of Italy, Naples (3 months)
- 2009 - 2015 Dept. Neuroscience, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milan (2 days per week)
- 2012 - 2014 The Protein Factory, Politecnico di Milano and University of Insubria (Varese) (2 months)

Fellowships and Awards

- 2008 *Best oral presentation* during 15th CIRMIB Biomaterials School NoE Expertissues School, Ischia, Naples, July 7-11
- 2009 *Roberto Rocca doctoral Fellowship* to join the Bizzi Lab at Mc Govern Institute for Brain Research, Massachusetts Institute of Technology, Cambridge, MA, US
Received from the MIT-Italy program, Milan, Italy

MEMBERSHIPS

- 2009 - today Member, Italian Society for Biomaterials (SIB)

SCIENTIFIC PAPERS - Papers in international journals (*equally contributed)

In July 2019, on Scopus database, my total citations were 242 and my H-index was 10.
On Google Scholar, my total citations were 292 and my H-index was 11.

- P1. **Tunesi M**, Raimondi I, Russo T, Colombo L, Micotti E, Brandi E, Cappelletti P, Cigada A, Negro A, Ambrosio L, Forloni L, Pollegioni L, Gloria A, Giordano C, Albani D
Hydrogel-based delivery of Tat-fused protein Hsp70 protects dopaminergic cells in vitro and in a mouse model of Parkinson's disease
2019, NPG Asia Materials 11(1),28. DOI: 10.1038/s41427-019-0128-8
- P2. Izzo, L*, **Tunesi M***, Boeri L, Laganà M, Giordano C, Raimondi MT
Influence of the static magnetic field on cell response in a miniaturized optically accessible bioreactor for 3D cell culture
2019, Biomed Microdevices 21(1),29. DOI: 10.1007/s10544-019-0387-8
- P3. Sardelli L, Pacheco D, Zicarelli A, **Tunesi M**, Caspani O, Fusari A, Briatico-Vangosa F, Giordano C, Petrini P
Towards bioinspired models of intestinal mucus
2019, RCS Advances 9(28), pp. 15887-15899. DOI: 10.1039/c9ra02368b
- P4. Garcia-Gonzalez A, Jacchetti E, Marotta R, **Tunesi M**, Matas JFR, Raimondi MT
The Effect of Cell Morphology on the Permeability of the Nuclear Envelope to Diffusive Factors
2018, Frontiers in Physiology 9(JUL),925. DOI: 10.3389/fphys.2018.00925
- P5. Chierchia A, Chirico N, Boeri L, Raimondi I, Riva GA, Raimondi MT, **Tunesi M**, Giordano C, Forloni G, Albani D
Secretome released from hydrogel-embedded adipose mesenchymal stem cells protects against the Parkinson's disease related toxin 6-hydroxydopamine
2017, European Journal of Pharmaceutics and Biopharmaceutics 121, pp. 113-120.
DOI: 10.1016/j.ejpb.2017.09.014
- P6. Cappelletti P, Binda E, **Tunesi M**, Albani D, Giordano C, Molla G, Pollegioni L
Recombinant human Tat-Hsp70-2: A tool for neuroprotection
2017, Protein Expression and Purification 138, pp. 18-24. DOI: 10.1016/j.pep.2016.07.005
- P7. Castagna R, **Tunesi M**, Saglio B, Della Pina C, Sironi A, Albani D, Bertarelli C, Falletta E
Ultrathin electrospun PANI nanofibers for neuronal tissue engineering
2016, Journal of Applied Polymer Science 133(35),43885. DOI: 10.1002/app.43885
- P8. **Tunesi M**, Fusco F, Fiordaliso F, Corbelli A, Biella G, Raimondi MT
Optimization of a 3D dynamic culturing system for in vitro modeling of frontotemporal neurodegeneration-relevant pathologic features
2016, Frontiers in Aging Neuroscience 8(JUN),146. DOI: 10.3389/fnagi.2016.00146
- P9. **Tunesi M***, Prina E*, Munarin F, Rodilossi S, Albani D, Petrini P, Giordano C
Cross-linked poly(acrylic acids) microgels and agarose as semi-interpenetrating networks for resveratrol release
2015, Journal of Materials Science: Materials in Medicine 26(1), pp. 1-11. DOI: 10.1007/s10856-014-5328-8

- P10. Russo T, **Tunesi M**, Giordano C, Gloria A, Ambrosio L
Hydrogels for central nervous system therapeutic strategies
 2015, Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine 229(12), pp. 905-916. DOI: 10.1177/0954411915611700
- P11. Polito L, Chierchia A, **Tunesi M**, Bouybayoune I, Kehoe PG, Albani D, Forloni G
Environmental enrichment lessens cognitive decline in APP23 mice without affecting brain sirtuin expression
 2014, Journal of Alzheimer's Disease 42(3), pp. 851-864. DOI: 10.3233/JAD-131430
- P12. **Tunesi M**, Batelli S, Rodilossi S, Russo T, Grimaldi A, Forloni G, Ambrosio L, Cigada A, Gloria A, Albani D, Giordano C
Development and analysis of semi-interpenetrating polymer networks for brain injection in neurodegenerative disorders
 2013, International Journal of Artificial Organs 36(11), pp. 762-774. DOI: 10.01/ijao.5000282
- P13. Cheung VCK, DeBoer C, Hanson E, **Tunesi M**, D'Onofrio M, Arisi I, Brandi R, Cattaneo A, Goosens KA
Gene expression changes in the motor cortex mediating motor skill learning
 2013, PLoS ONE 8(4), e61496. DOI: 10.1371/journal.pone.0061496
- P14. **Tunesi M***, Bossio C*, Tonna N, Della Valle C, Bianco F, Giordano C, Chiesa R
Mesenchymal stem cell differentiation on electrochemically modified titanium substrates: an optimized approach for biomedical applications
 2013, Journal of Applied Biomaterials and Functional Materials 11(1), pp. 9-17
 DOI: 10.5301/JABFM.5000174
- P15. Russo T, D'Amora U, Gloria A, **Tunesi M**, Sandri M, Rodilossi S, Albani D, Forloni G, Giordano C, Cigada A, Tampieri A, De Santis R, Ambrosio L
Systematic analysis of injectable materials and 3D rapid prototyped magnetic scaffolds: from CNS applications to soft and hard tissue repair/regeneration
 2013, Procedia Engineering 59, pp. 233-239. DOI: 10.1016/j.proeng.2013.05.116
- P16. Albani D, Gloria A, Giordano C, Rodilossi S, Russo T, D'Amora U, **Tunesi M**, Cigada A, Ambrosio L, Forloni G
Hydrogel-based nanocomposites and mesenchymal stem cells: a promising synergistic strategy for neurodegenerative disorders therapy
 2013, The Scientific World Journal 2013, 270260. DOI: 10.1155/2013/270260
- P17. Giordano C, Albani D, Gloria A, **Tunesi M**, Rodilossi S, Russo T, Forloni G, Ambrosio L, Cigada A
Nanocomposites for neurodegenerative diseases: hydrogel-nanoparticle combinations for a challenging drug delivery
 2011, International Journal of Artificial Organs 34(12), pp. 1115-1127. DOI: 10.5301/ijao.2011.8915
- P18. Villa F, Pitts B, Stewart PS, Giussani B, Roncoroni S, Albanese D, Giordano C, **Tunesi M**, Cappitelli F
Efficacy of Zosterin Acid Sodium Salt on the Yeast Biofilm Model Candida albicans
 2011, Microbial Ecology 62(3), pp. 584-598. DOI: 10.1007/s00248-011-9876-x
- P19. Perale G, Giordano C, Bianco F, Rossi F, **Tunesi M**, Daniele F, Crivelli F, Matteoli M, Masi M.
Hydrogel for cell housing in the brain and in the spinal cord
 2011, International Journal of Artificial Organs 34(3), pp. 295-303. DOI: 10.5301/IJAO.2011.6488
- P20. Giordano C, Albani D, Gloria A, **Tunesi M**, Batelli S, Russo T, Forloni G, Ambrosio L, Cigada A
Multidisciplinary perspectives for Alzheimer's and Parkinson's diseases: hydrogels for protein delivery and cell-based drug delivery as therapeutic strategies
 2009, International Journal of Artificial Organs 32(12), pp. 836-850
- P21. Pertici G, Maccagnan S, Müller M, Rossi F, Daniele F, **Tunesi M**, Perale G
Porous biodegradable microtubes-based scaffolds for tissue engineering, part I: production and preliminary in vitro evaluation
 2008, Journal of Applied Biomaterials and Biomechanics 6(3), pp. 186-192

P22. Perale G, Giordano C, Daniele F, **Tunesi M**, Colombo P, Gottardo L, Maccagnan S, Masi M
Extruded ceramic microelectrodes for biomedical applications
International Journal of Artificial Organs 31(3), pp. 272-278

GRANTED PATENTS

1. US Patent n. 8,586,086 B2 entitled *Hydrogel capable of containing and conveying cells*

Priority: 2009-05-29, granted 2013-11-19

Inventors: Daniele F, Giordano C, Masi M, Perale G, Rossi F, **Tunesi M**

Applicant: Politecnico di Milano

ORAL and POSTER PRESENTATIONS at NATIONAL and INTERNATIONAL MEETINGS

C1. Sardelli L, Pacheco D. P., Boeri L, **Tunesi M**, Merli M, Briatico-Vangosa F, Petrini P, Giordano C
Towards in vitro dynamic models of gut microbiota

2nd Annual Meeting 3Rs in Italian Universities 2019, Genoa, 20-21 June. Poster

C2. **Tunesi M**, Raimondi I, Izzo L, Albani D, Giordano C

Innovative 3D brain cell-based model in MINERVA project

TERMIS EU Congress 2019, Rhodes, Greece, 27-31 May. Oral presentation

eCM Periodical, 2019, Collection 3; 2019 TERMIS EU Abstracts (page 635). ISSN 2522-235X

C3. Izzo L, Raimondi I, **Tunesi M**, Boeri L, Laganà M, Raimondi M. T., Giordano C

Toward the development of a complete organ-on-a-chip platform to study the microbiota-gut-brain axis

Nanomedicine 2019, Milan, 2-3 May. Poster

C4. Raimondi I, **Tunesi M**, Izzo L, Albani D, Giordano C

Hydrogel-based 3D neural cell model within MINERVA, an engineered platform of the microbiota-gut-brain axis

14th International Conference on Alzheimer's and Parkinson's disease (AD/PD 2019), Lisbon, Portugal, 26-31 March. Poster

C5. Izzo L, **Tunesi M**, Marturano-Kruik A, Giordano C, Raimondi MT

A new Miniaturized Optically Accessible Bioreactor to investigate the microbiota-gut-brain axis: magnetic characterization of the chambers

5th TERMIS World Congress 2018, Kyoto, Japan, 4-7 September. Poster

C6. Conci C, Jacchetti E, Zandrin T, **Tunesi M**, Chirico G, Cerullo G, Osellame R, Raimondi MT

Design and Development of a Miniaturized Imaging Window for Intravital Nonlinear Microscopy

5th TERMIS World Congress 2018, Kyoto, Japan, 4-7 September. Poster

C7. Boeri L, **Tunesi M**, Fusco F, Giordano C, Raimondi MT, Albani D

Molecular insights into the neuroprotective effect of mesenchymal stem cell secretome on an in vitro Parkinson's disease model by using a 3D cell culture system

11th Forum of Neuroscience (FENS) 2018, Berlin, Germany, 7-11 July. Poster

C8. Ceppa F, Raimondi I, **Tunesi M**, Izzo L, Albani D, Giordano C

Preliminary hydrogel biocompatibility and functional assays within MINERVA: a microfluidic multi-organ platform modelling the gut-brain-axis relevant for studies on neurodegenerative diseases

11th Forum of Neuroscience (FENS) 2018, Berlin, Germany, 7-11 July. Poster

C9. Izzo L, **Tunesi M**, Marturano-Kruik A, Giordano C, Raimondi MT

A miniaturized in vitro 3D model to assess the neuroprotective effect of mesenchymal stromal cell secretome on neuroblastoma cells exposed to oxidative stress

6th Congresso Gruppo Nazionale Bioingegneria (GNB) 2018, Milan, 25-27 June

Poster, pgg. 1-4. ISBN: 9788855534219

C10. Raimondi I, **Tunesi M**, Ceppa F, Izzo L, Albani D, Giordano C

3D hydrogel-based cell model assays in MINERVA, a microfluidic organ-on chip-engineered platform of gut-brain axis to study neurodegeneration

Joint meeting 54th Congress of the Italian Association of Neuropathology and Clinical Neurobiology (AINP&NC) 44th Congress of the Italian Association for Research on Brain Aging (AIRIC) 2018, Milan, 17-29 May

Poster, *Clinical Neuropathology* 2018;37(3):136. ISSN: 0722-5091

C11. Boeri L, Chierchia A, Chirico N, Raimondi MT, **Tunesi M**, Giordano C, Albani D
Hydrogel-embedded adipose mesenchymal stem cells for secretome controlled delivery in a Parkinson's disease in vitro model

Advances in Alzheimer's and Parkinson's Therapies an AAT-AD/PD Focus Meeting 2018, Turin, 15-18 March. Poster

C12. **Tunesi M**, Raimondi I, Russo T, Cappelletti P, Fracasso R, Pollegioni L, Ambrosio L, Gloria A, Albani D, Giordano C

Collagen/hyaluronic acid-based hydrogels for the delivery of neuroprotective protein Hsp70 in Parkinson's disease

National Biomaterial Congress (SIB) 2017, Milan, 24-26 May

Oral presentation, *Journal of Applied Biomaterials & Functional Materials* 2017;15(3):e281

DOI: 10.5301/jabfm.5000360. eISSN: 2280-8000

C13. Raimondi I, **Tunesi M**, Riva G, Russo T, Cappelletti P, Fracasso R, Pollegioni L, Ambrosio L, Gloria A, Forloni G, Giordano C, Albani D

Hydrogel matrix systems for the delivery of neuroprotective protein Hsp70 in Parkinson's disease

Joint meeting 53rd Congress of the Italian Association of Neuropathology and Clinical Neurobiology (AINP&NC) 43rd Congress of the Italian Association for Research on Brain Aging (AIRIC) 2017, Padua, 18-20 May

Poster, *Clinical Neuropathology* 2017;36(3):138. ISSN: 0722-5091

C14. Garcia A, **Tunesi M**, Marotta R, Fedele R, Nava MM, Jacchetti E, Rodriguez Matas JF, Raimondi MT
Mechanobiological modeling of the nuclear pore complex

12th World Congress on Computational Mechanics (WCCM) & 6th Asia-Pacific Congress on Computational Mechanics (APCOM) 2016, Seoul, South Korea, 24-29 July. Oral presentation

C15. Boeri L, **Tunesi M**, Giordano C, Albani D, Raimondi MT

Engineered in vitro model to assess the neuroprotective effect of mesenchymal stem cell secretome on SH-SY5Y neuroblastoma cells exposed to 6-hydroxydopamine

10th Forum of Neuroscience (FENS) 2016, Copenhagen, Denmark, 2-6 July. Poster

C16. Garcia A, Marotta R, **Tunesi M**, Nava MM, Fedele R, Jacchetti E, Rodriguez Matas JF, Raimondi MT
Integrated experimental/computational approach of the nuclear pore complex

European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society (TERMIS-EU) 2016, Uppsala, Sweden, 28 June-1 July

Poster, *European Cells and Materials* 2016,31(Suppl.1):P232. ISSN: 1473-2262

C17. Boeri L, **Tunesi M**, Giordano C, Albani D, Raimondi MT

Engineered in vitro model to assess the neuroprotective effect of mesenchymal stem cell secretome on SH-SY5Y neuroblastoma cells exposed to 6-hydroxydopamine

European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society (TERMIS-EU) 2016, Uppsala, Sweden, 28 June-1 July

Oral presentation, *European Cells and Materials* 2016,31(Suppl.1):P50. ISSN: 1473-2262

C18. Boeri L, **Tunesi M**, Giordano C, Albani D, Raimondi MT

A miniaturized in vitro 3D model to assess the neuroprotective effect of mesenchymal stromal cell secretome on neuroblastoma cells exposed to oxidative stress

5th Congresso Gruppo Nazionale Bioingegneria (GNB) & 5th Meeting del Capitolo Italiano della European Society of Biomechanics (ESB-ITA) 2016, Naples, 20-22 June

Poster, pgg. 645-647. ISBN: 978-88-941906-0-1

C19. Garcia A, Marotta R, **Tunesi M**, Nava MM, Fedele R, Jacchetti E, Rodriguez Matas JF, Raimondi MT
Experimental/computational approach of the nuclear pore complex mechanics

5th Congresso Gruppo Nazionale Bioingegneria (GNB) & 5th Meeting del Capitolo Italiano della European Society of Biomechanics (ESB-ITA) 2016, Naples, 20-22 June

Oral presentation, pgg. 688-689. ISBN: 978-88-941906-0-1

- C20. **Tunesi M**, Chierchia A, Giordano C, Albani D, Raimondi MT
In Vitro Testing of the Neuroprotective Effect of Mesenchymal Stromal Cells in a 3D Model of Parkinson's Disease
 4th Tissue Engineering and Regenerative Medicine International Society World Congress (TERMIS) 2015, Boston, MA, US, 08-11 September
 Poster, Tissue Engineering Part A 2015;21(Suppl.1):S295-S296. DOI: 10.1089/ten.tea.2015.5000.abstracts
- C21. **Tunesi M**, Chierchia A, Barbieri L, Russo T, Boeri L, Grimaldi A, De Santis R, Ambrosio L, Gloria A, Albani D, Giordano C
Collagen/hyaluronic acid-based hydrogels for brain applications: the role of hyaluronic acid molecular weight
 27th European Conference on Biomaterials (ESB) 2015, Krakow, Poland, 30 August-3 September
 Oral presentation
- C22. Pollegioni L, Cappelletti P, **Tunesi M**, Rodilossi S, Albani D, Giordano C
Recombinant human proteins: delivery of a neuroprotective cell-penetrating Hsp70
 Japan-Italy Joint Symposium 2014. New Trends in Science and Engineering of Enzyme and Microbiology for Sustainable Society, Nara, Japan, 05-07 November. Poster
- C23. Pollegioni L, Cappelletti P, **Tunesi M**, Rodilossi S, Albani D, Giordano C
Delivery of a neuroprotective cell-penetrating Hsp70
 8th Congress of the Italian Federation of Life Sciences (FISV) 2014, Pisa, 24-27 September. Poster
- C24. **Tunesi M**, Bedini E, Petrini P, Iadonisi A, Albani D, Raimondi MT, Giordano C
Engineered smart tools for neurodegenerative disorders: chondroitin sulphate delivery in neuroprotection
 41st Congress of the European Society for Artificial Organs (ESAO) 2014, Rome, 17-20 September
 Oral presentation, The International Journal of Artificial Organs 2014;37(8):596. ISSN: 0391-3988
- C25. **Tunesi M**, Chierchia A, Rodilossi S, Russo T, Gloria A, Ambrosio L, Forloni G, Albani D, Giordano C
Development and analysis of PNIPAM and PNIPAM/PEG hydrogels for brain neurodegeneration
 National Biomaterial Congress (SIB) 2014, Palermo, 02-04 July
 Oral presentation, pp.65-7. ISBN: 9788897683520
- C26. **Tunesi M**, Nava MM, Caterina F, Giordano C, Albani D, Raimondi MT
Neuroprotective effect of mesenchymal stromal cells in a 3D model of Parkinson's disease
 4th Congresso Gruppo Nazionale Bioingegneria (GNB) & 4th Meeting del Capitolo Italiano della European Society of Biomechanics (ESB-ITA) 2014, Pavia, 25-27 June
 Poster B-3. ISBN: 9788855532754
- C27. **Tunesi M**, Nava MM, Caterina F, Giordano C, Albani D, Raimondi MT
Microfluidic testing of the neuroprotective effect of mesenchymal stromal cells using a 3D model of Parkinson's disease
 Tissue Engineering and Regenerative Medicine International Society European Chapter Meeting (TERMIS-EU) 2014, Genoa, 10-13 June
 Oral Presentation, abstract OP54, Journal of Tissue Engineering and Regenerative Medicine 2014;8(Suppl.1):68
- C28. Russo T, Gloria A, D'Amora U, **Tunesi M**, Rodilossi S, De Santis R, Albani D, Forloni G, Giordano C, Cigada A, Ambrosio L
Functional injectability and rheological behaviour of natural, synthetic and semi-synthetic gels and semi-IPNs for central nervous system applications
 25th European Conference on Biomaterials (ESB) 2013, Madrid, Spain, 08-12 September
 Poster T5P036, abstract 00900, p.187. ISBN: 9788469578315
- C29. **Tunesi M**, Cappelletti P, Rodilossi S, Russo T, Gloria A, Cigada A, Ambrosio L, Forloni G, Pollegioni L, Albani D, Giordano C
Hsp70 and hydrogels: protein delivery strategies in neurodegeneration
 25th European Conference on Biomaterials (ESB) 2013, Madrid, Spain, 08-12 September
 Poster T3P017, abstract 00803, p.168. ISBN: 9788469578315

- C30. Prina E, Munarin F, **Tunesi M**, Cigada A, Giordano C, Petrini P
Neurodegenerative disorders: novel hydrogels for drug delivery strategies
 25th European Conference on Biomaterials (ESB) 2013, Madrid, Spain, 08-12 September
 Poster T1P114, abstract 00499, p.124. ISBN: 9788469578315
- C31. Russo T, Gloria A, D'Amora U, **Tunesi M**, Rodilossi S, De Santis R, Albani D, Forloni G, Giordano C, Cigada A, Ambrosio L
Natural, synthetic, semi-synthetic gels and semi-IPNs for central nervous system applications: functional injectability and rheological behavior
 4th China-Europe Symposium on Biomaterials in Regenerative Medicine (CESB) 2013, Sorrento, 01-04 July.
 Poster
- C32. **Tunesi M**, Russo T, Cappelletti P, Rodilossi S, Pollegioni L, Forloni G, Cigada A, Ambrosio L, Gloria A, Albani D, Giordano C
Hydrogels for Tat-Hsp70 delivery: a challenge in neurodegeneration
 4th China-Europe Symposium on Biomaterials in Regenerative Medicine (CESB) 2013, Sorrento, 01-04 July.
 Poster
- C33. Russo T, Gloria A, D'Amora U, **Tunesi M**, Rodilossi S, De Santis R, Albani D, Forloni G, Giordano C, Cigada A, Ambrosio L
Natural, synthetic and semi-synthetic gels as innovative strategies for central nervous system application: flow behaviour and viscoelastic properties
 National Biomaterial Congress (SIB) 2013, Baveno, 03-05 June. Poster
- C34. Prina E, Munarin F, **Tunesi M**, Cigada A, Petrini P, Giordano C
Optimization of the formulation of agar/carbomer gels: effects of the neutralizing agent and hydroxyl donors
 National Biomaterial Congress (SIB) 2013, Baveno, 03-05 June. Poster
- C35. Prina E, **Tunesi M**, Daniele F, Cigada A, Giordano C, Albani D
Neurodegenerative disorders: novel hydrogels for drug delivery strategies
 National Biomaterial Congress (SIB) 2012, Lecce, 18-20 June. Poster
- C36. **Tunesi M**, Prina E, Cigada A, Giordano C, Albani D
Innovative hydrogels for neuroprotective protein delivery in neurodegeneration
 National Biomaterial Congress (SIB) 2012, Lecce, 18-20 June. Poster
- C37. Prina E, **Tunesi M**, Daniele F, Cigada A, Giordano C, Albani D
Agar/Carbomer-based hydrogels as resveratrol delivery systems
 Joint meeting 48th Congress of the Italian Association of Neuropathology and Clinical Neurobiology (AINP&NC) 38th Congress of the Italian Association for Research on Brain Aging (AIRIC) 2012, Naples, 24-26 May
 Poster, Clinical Neuropathology 2012;31(3):192. ISSN: 0722-5091
- C38. **Tunesi M**, Batelli S, Rodilossi S, Congiu T, Giordano C, Albani D
Biocompatibility of a novel collagen/poly(ethylene glycol)-based hydrogel for protein delivery
 Joint meeting 48th Congress of the Italian Association of Neuropathology and Clinical Neurobiology (AINP&NC) 38th Congress of the Italian Association for Research on Brain Aging (AIRIC) 2012, Naples, 24-26 May
 Poster, Clinical Neuropathology 2012;31(3):198. ISSN: 0722-5091
- C39. **Tunesi M**, Batelli S, Russo T, Gloria A, Albani D, Forloni G, Ambrosio L, Cigada A, Giordano C
Semi-interpenetrating polymer networks for central nervous system applications
 8th Convegno Nazionale INSTM sulla Scienza e Tecnologia dei Materiali 2011, Aci Castello, 26-29 June 2011
 Oral presentation, p.C21-G. ISBN: 9788886038997
- C40. **Tunesi M**, Daniele F, Prina E, Bossio C, Giordano C, Cigada A
Agar/Carbomer-based hydrogels for central nervous system applications
 National Biomaterial Congress (SIB) 2011, Bari, 23-25 May. Poster

- C41. Rodilossi S, **Tunesi M**, Forloni G, Giordano C, Albani D
Development of a novel hydrogel-based device for neuroprotective proteins delivery in a mouse model of dopaminergic degeneration
 Joint meeting 47th Congress of the Italian Association of Neuropathology and Clinical Neurobiology (AINP&NC) 37th Congress of the Italian Association for Research on Brain Aging (AIRIC) 2011, Genoa, 19-21 May
 Poster, Clinical Neuropathology 2011;30(3):143. ISSN: 0722-5091
- C42. Cheung VCK, DeBoer C, **Tunesi M**, D'Onofrio M, Brandi R, Arisi I, Cattaneo A, Goosens KA
Profiling gene expression in the motor cortex during motor learning using whole rat genome microarray
 40th Annual Meeting of the Society for Neuroscience (SfN) 2010, San Diego, CA, US, 13-17 November. Poster
- C43. **Tunesi M**, Batelli S, Russo T, Gloria A, Albani D, Forloni G, Ambrosio L, Cigada A, Giordano C
Collagen/PEG-based matrix for Parkinson's and Alzheimer's disease applications
 23rd Annual Meeting of the European Society for Biomaterials (ESB) 2010, Tampere, Finland, 11-15 September. Oral presentation
- C44. Perale G, Rossi F, Giordano C, Bianco F, **Tunesi M**, Daniele F, Crivelli F, Matteoli M, Masi M
Controlled crosslinked hydrogels for neural cell housing
 Joint Conference of the Czech and Slovak Neuroscience Societies and 7th International Stem Cells School in Regenerative Medicine 2009, Prague, Czech Republic, 2-4 November. Oral presentation
- C45. **Tunesi M**, Rossi F, Daniele F, Bossio C, Perale G, Bianco F, Matteoli M, Giordano C, Cigada A
A novel hydrogel formulation as promising cell carrier
 World Conference on Regenerative Medicine (WCRM) 2009, Leipzig, Germany, 29-31 October
 Oral presentation and poster, Regenerative Medicine 2009;4(6),Suppl.2:S295. ISSN: 1746-0751
- C46. Perale G, Giordano C, Bianco F, Rossi F, **Tunesi M**, Daniele F, Matteoli M, Masi M
Smart hydrogel for cell housing in the brain and in the spinal cord
 2nd National Nanomedicine Conference 2009, Pavia, 21-22 September. Oral presentation
- C47. **Tunesi M**, Rossi F, Daniele F, Perale G, Bianco F, Matteoli M, Giordano C, Cigada A
Novel hydrogel-based systems for cell housing and drug delivery in neurodegenerative disease applications
 22nd European Conference on Biomaterials (ESB) 2009, Lausanne, Switzerland, 07-11 September. Oral presentation
- C48. Rossi F, Perale G, **Tunesi M**, Giordano C, Daniele F, Bianco F, Matteoli M, Masi M
New hydrogel for neuroglial cell housing
 3rd International Conference on advanced and trends in engineering materials and their applications (AES-ATEMA) 2009, Montreal, QC, Canada, 06-10 July. Oral presentation, p.67-71. ISBN: 0-9780479
- C49. **Tunesi M**, Rossi F, Daniele F, Perale G, Bianco F, Matteoli M, Giordano C, Cigada A
New hydrogels as cell carriers for central nervous system applications
 National Biomaterial Congress (SIB) 2009, Salice Terme, 15-17 June. Oral presentation
- C50. Della Valle C, Chiesa R, Moscatelli M, **Tunesi M**, Cigada A
A novel silicon-based biomimetic treatment to enhance the osseointegration of titanium
 Annual Meeting of the Society for Biomaterials (SfB) 2009, San Antonio, TX, US, 22-25 April. Poster
- C51. **Tunesi M**, Della Valle C, Bossio C, Giordano C, Bianco F, Matteoli M, Chiesa R, Cigada A
Trattamenti su titanio per osteointegrazione: caratterizzazione in vitro
 National Biomaterial Congress (SIB) 2008, Follonica, 17-19 September. Oral presentation

Milan, July 25th 2019

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