

Curriculum Vitae

Paola PETRINI

Personal details

Paola Petrini,
Dipartimento di Chimica, Materiali e Ingegneria Chimica "Giulio Natta"
Piazza Leonardo da Vinci 32, 20133 Milano (Italy)
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Studies

Master degree in Organic Chemistry (1993) Università degli Studi di Milano (Italy).
Master Phy. in Science and Technology of Materials (1995) Università degli Studi di Milano (Italy).
PhD in Materials for Engineering and Biomaterials (1998), Politecnico di Milano

Current Position

Researcher (Ricercatore Confermato, SSD 09-G2, ING/IND-34), Dipartimento di Chimica, Materiali e Ingegneria Chimica, Politecnico di Milano.

In 2014 she achieved the National Academic Qualification for Associate Professor ["Abilitazione Scientifica Nazionale" II Fascia, Bando 2013, DD n.161/2013].

Teaching activity

2014-2015

Professor of "Laboratorio di Biomateriali e Analisi Strumentale" (=Biomaterials and Instrumental Analysis Laboratory), 5 cfu, cod. 096212, monodisciplinary course, Ingegneria Biomedica, Facoltà di Ingegneria Industriale e dell'Informazione, SSD 09-G2 ING/IND-34

Valutazione attività didattica ALTA

This course will be provided in English during the next year, with a code change.

2014-2015

Professor of "Bioingegneria Chimica [1]" (=Chemical Bioengineering), 5 cfu, cod. 086026 integrated course, Ingegneria Biomedica, Facoltà di Ingegneria Industriale e dell'Informazione, SSD 09-G2 ING/IND-34
Valutazione attività didattica ALTA

Past activity

Since 2003-2004 to 2013-2014

Professor of Laboratorio di Biomateriali cod, 078073, integrated course, Ingegneria Biomedica, Facoltà di Ingegneria Industriale e dell'Informazione, Politecnico di Milano, SSD 09-G2 ING/IND-34. (Valutazione didattica ALTA)

Since 2009-2010

Professor of "Bioingegneria Chimica [1]" (=Chemical Bioengineering), 5 cfu, cod. 086026 integrated course, Ingegneria Biomedica, Facoltà di Ingegneria Industriale e dell'Informazione, SSD 09-G2 ING/IND-34 (valutazione didattica ALTA)

Since 2002-200

PhD course in Bioengineering, Politecnico di Milano, Course of Instrumental Analysis

Teaching assistant, in Corso di Studi in Ingegneria Biomedica, Politecnico di Milano

1997/1998 to 2000/2001	Biomateriali I
1998/1999 to 1999/2000	Biomateriali II
2001/2002 to 2008/2009	Fondamenti di Bioingegneria Chimica
2000/2001 to 2002/2003	Analisi Strumentale e controllo dei Materiali
2003/2004 to 2006/2007	Laboratorio di Analisi Strumentale

Teaching assistant, in corso di Diploma in Tecnico Ortopedico, Facoltà di Medicina, Università degli Studi di Pavia 1999/2000 to 2001/2002 Scienza e Tecnologia dei Materiali and 2001/2002 Biomateriali

Scientific activity

The recent research activity is regarding soft materials, mainly natural materials, for tissue regeneration and drug delivery. She worked also on synthesis and characterization of synthetic biomaterials. She is author of more than 40 papers and book chapters and 3 patents.

Mentor and tutor of numerous Master thesis (>50), and two PhD thesis by Roberta Gentilini (2014) and Fabiola Munarin (2011), regarding pectin gels for regenerative medicine.

Co-tutor of the Master Thesis of Helena Rocha Moreira "Pectin hydrogels for dermal substitutes" Faculdade de Engenharia da Universidade do Porto 2008/2009

Reviewer for several Journals, such as

- Acta Biomaterialia
- Journal of Applied Biomaterials & Biomechanics
- Journal of Applied Polymer Science
- Journal of Biomedical Material Research, Part A
- Materials Science and Engineering C
- Journal of Bioactive and Compatible Polymers
- Biomacromolecules
- Polymers for Advanced Technologies
- Biomatter
- Recent Patents on Drug Delivery & Formulation
- Journal of Applied Biomaterials - Functional Materials
- ACS Applied Materials & Interfaces
- Colloids and Surfaces B: Biointerfaces

Participation at different research activities national and international, funded after peer review on Project Calls

- Functionally graded hybrid scaffolds for osteo-chondral defect repair (SHOCH-repair), (rif. 2012-0842), Fondazione Cariplo 2013
- NANO Molecular tEchnologies for Drug delivery (NANOMED), (National project) PRIN 2012
- Biocompositi a base di polisaccaridi e calcio fosfati come riempitivi per tessuti molli, Fondazione Cassa di Risparmio di Trento e Rovereto (CARITRO), 2011
- Progettazione e preparazione di scaffold micro e nanostrutturati in polimeri sintetici e naturali per la rigenerazione del tessuto scheletrico, (National Project) PRIN 2006
- Dalla rigenerazione alla ricostruzione del muscolo scheletrico: meccanismi regolatori e applicazioni terapeutiche, (National Project) PRIN 2004
- Tecniche innovative di reticolazione e stabilizzazione dell'UHMW-polietilene per protesi articolari, (National Project) PRIN 2002
- Funzionalizzazione organica di superfici biomimetiche di titanio per promuovere l'osteointegrazione e/o inibire la colonizzazione batterica in implantologia dentale, (National Project) PRIN 2002
- Strutture Polimeriche di fibroina e polimeri di sintesi per applicazioni in Ingegneria Tissutale, (National Project) MIUR 1999
- CNR - P.F. Materiali Speciali per Tecnologie Avanzate II 1998: Compositi biomimetici tipo poliuretano/fosfati di calcio come sostituti dell'osso
- Progetto Giovani Ricercatori 1998 (Politecnico di Milano): Materiali polimerici a memoria di forma: caratterizzazione, selezione e possibilità applicative
- IIT 2008 (NanoBiotechnology) - Research line: Biosensor and Artificial Bio-system
- Elastomeri poliuretani innovativi per protesi vascolari e modifica di superficie, Istituto Superiore di Sanità, 1997

International titles and appointments

Visiting researcher

- University of Strathclyde (UK), Department of Pure and Applied Chemistry 05/1997 - 11/1997
- University of Glasgow (UK), Centre for Cell Engineering 04/1998 -05/1998
- University of Gent (Belgium), Polymer Materials Research 09/1998 - 10/1998

International awards

- Shiga, Japan (1998): Student Award during "3rd International Symposium on Frontiers in Biomedical Polymers Including Polymer Therapeutics
- Arcachon, France (1999): Best Presentation during 15th European Society for Biomaterials Conference.
- Altran Foundation For Innovation Award 2012 "Bioingegneria e staminali: idee per la vita", Senior researcher, the winner team was composed by Fabiola Munarin (team leader) and Paola Petrini from Politecnico di Milano; Nora Biase and Livia Visai from Università degli Studi di Pavia.

Publications

2013 - Articolo in rivista

Fabiola Munarin, Sabrina Bozzini, Livia Visai, Maria C. Tanzi, Paola Petrini (2013). Sterilization treatments on polysaccharides: Effects and side effects on pectin. FOOD HYDROCOLLOIDS, vol. 31, p. 74-84, ISSN: 0268-005X

2013 - Articolo in rivista

Ali Fattahi, Paola Petrini, Fabiola Munarin, Yalda Shokoohinia, Mohammad Ali Golozar, Jaleh Varshosaz, Maria Cristina Tanzi (2013). Polysaccharides derived from tragacanth as biocompatible polymers and Gels. JOURNAL OF APPLIED POLYMER SCIENCE, vol. 129, p. 2092-2102, ISSN: 0021-8995, doi: 10.1002/app.38931

2013 - Contributo in volume (Capitolo o Saggio)

P.Petrini, S.Bozzini (2013). Biomateriali per la medicina rigenerativa. In: (a cura di): Maria Cristina Tanzi, Anna Maria Bianchi, Silvia Farè, Sara Mantero, Manuela Teresa Raimondi, Livia Visai, Approccio Integrato per la Medicina Rigenerativa. p. 13-19, PATRON EDITORE, ISBN: 9788855532419
2012 - Articolo in rivista

F. Munarin, P. Petrini, M. C. Tanzi, M. A. Barbosa, P. L. Granja (2012). Biofunctional chemically modified pectin for cell delivery. SOFT MATTER, vol. 8, p. 4731-4739, ISSN: 1744-683X, doi: 10.1039/C2SM07260B
2012 - Contributo in Atti di convegno

F. Munarin, P. Petrini, S. Dirè, M.C. Tanzi, P.F. Robotti, V.M. Sglavo (2012). Injectable nanoHA particles-containing pectin composite gels. In: Nanotechnologies for healthcare. Trento (Italy), p. 1
2012 - Contributo in Atti di convegno

R. Gentilini, S. Bozzini, F. Munarin, P. Petrini, M. Imbriani, L. Visai, M. C. Tanzi (2012). Pectin extraction from Aloe vera and perspectives in regenerative medicine. In: Gruppo Nazionale di Bioingegneria, Terzo Congresso. Roma (Italy), 26/6/2012-29/06/2012, p. 1
2012 - Articolo in rivista

Munarin F, Tanzi MC, Petrini P (2012). Advances in biomedical applications of pectin gels.. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol. 51, p. 681-689, ISSN: 0141-8130, doi: 10.1016/j.ijbiomac.2012.07.002
2012 - Articolo in rivista

Fabiola Munarin, Paola Petrini, Sabrina Bozzini, Maria Cristina Tanzi (2012). New perspectives in cell delivery systems for tissue regeneration: natural-derived injectable hydrogels. JOURNAL OF APPLIED BIOMATERIALS & FUNCTIONAL MATERIALS, vol. 2, p. 67-81, doi: 10.5301/JABFM.2012.9418
2011 - Articolo in rivista

Asnaghi M.A., Candiani G., Farè S., Fiore G.B., Petrini P., Raimondi M.T., Soncini M., Mantero S. (2011). Trends in biomedical engineering: Focus on regenerative medicine.. JOURNAL OF APPLIED BIOMATERIALS & BIOMECHANICS, vol. 9, p. 73-86, ISSN: 1722-6899, doi: 10.5301/JABB.2011.8562
2011 - Articolo in rivista

S. Bozzini, L. Giuliano, L. Altomare, P. Petrini, A. Bandiera, M. T. Conconi, S. Fare', M. C. Tanzi (2011). Enzymatic cross-linking of human recombinant elastin (HELP)as biomimetic approach in vascular tissue engineering. JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE, vol. 22, p. 2641-2650, ISSN: 0957-4530, doi: 10.1007/s10856-011-4451-z
2011 - Articolo in rivista

S. Bozzini, P. Petrini, M.C. Tanzi, C.R. Arciola, S. Tosatti, L. Visai (2011). Poly(ethylene glycol) and hydroxy functionalized alkane phosphate self-assembled monolayers reduce bacterial adhesion and support osteoblast proliferation. INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS, vol. 34, p. 898-907, ISSN: 0391-3988
2011 - Articolo in rivista

Munarin F, Guerreiro SG, Grellier MA, Tanzi MC, Barbosa MA, Petrini P, Granja PL (2011). Pectin-based injectable biomaterials for bone tissue engineering.. BIOMACROMOLECULES, vol. 12, p. 568-577, ISSN: 1525-7797, doi: 10.1021/bm101110x
2011 - Articolo in rivista

M. C. Tanzi, S. Bozzini, G. Candiani, A. Cigada, L. De Nardo, S. Farè, F. Ganazzoli, D. Gastaldi, M. Levi, P. Mentrangolo, F. Migliavacca, R. Osellame, P. Petrini, G. Raffaini, G. Resnati, P. Vena, S. Vesentini, P. Zunino (2011). Trends in biomedical engineering: focus on Smart Bio-Materials and Drug Delivery. JOURNAL OF APPLIED BIOMATERIALS & BIOMECHANICS, vol. 9, p. 87-97, ISSN: 1722-6899, doi: 10.5301/JABB.2011.8563
2011 - Contributo in Atti di convegno

S. Bozzini, R. Gentilini, F. Munarin, P. Petrini, M. Scavone, L. Visai, M. C. Tanzi (2011). Aloe vera pectin: from extraction to matrices for regenerative medicine. In: 2011 Annual Meeting & Exposition, Society for Biomaterials. Orlando, Florida (USA), p. 900
2011 - Brevetto

P. Petrini, M.C. Tanzi, L. Giuliano, F. Munarin, G. Bianchi, P. Robotti (2011). Composite material comprising pectin and calcium phosphate and method for its realisation. PCT/IB2011/053136, Eurocoating S.p.A

2011 - Contributo in Atti di convegno
F. Munarin, M. Grellier, M. Lamghari, M. C. Tanzi, M.A. Barbosa, P. Petrini, P. L. Granja (2011). RGD-grafted pectin microspheres for human mesenchymal stem cell delivery and in situ bone regeneration. In: 24th European Conference on Biomaterials (ESB). Dublin (Ireland), p. 45

2011 - Contributo in Atti di convegno
F. Munarin, P. L. Granja, M. A.Barbosa, M. C. Tanzi, P. Petrini (2011). Pectin modification for bone tissue regeneration. In: 9th International Symposium on Frontiers in Biomedical Polymers (FBPS 2011). Madeira (Portugal)

2011 - Contributo in Atti di convegno
F. Munarin, P. Petrini, M. C. Tanzi (2011). Polysaccharides/CaP biocomposites: study of their injectability by rheological tests . In: 13th Ceramics Cells and Tissues. Faenza (Italy)

2010 - Articolo in rivista
F. Munarin, L. Giuliano, S. Bozzini, M. C. Tanzi, P. Petrini (2010). Mineral phase deposition on pectin microspheres. MATERIALS SCIENCE AND ENGINEERING. C, BIOMIMETIC MATERIALS, SENSORS AND SYSTEMS, vol. 30, p. 491-496, ISSN: 0928-4931, doi: 10.1016/j.msec.2010.01.010

2010 - Articolo in rivista
F. Munarin, P. Petrini, S. Fare', M.C. Tanzi (2010). Structural properties of polysaccharide-based microcapsules for soft tissue regeneration. JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE, vol. 21, p. 365-375, ISSN: 0957-4530, doi: 10.1007/s10856-009-3860-8 [con allegato e copyright]

2010 - Articolo in rivista
S.Bozzini, P.Petrini, M.C.Tanzi, S.Zuercher, S.Tosatti (2010). Poly(ethylene glycol) and Hydroxy Functionalized Alkane Phosphate Mixed Self-Assembled Monolayers to Control Nonspecific Adsorption of Proteins on Titanium Oxide Surfaces. LANGMUIR, vol. 9, p. 6529-6534, ISSN: 0743-7463, doi: 10.1021/la904066y [con allegato e copyright]

2010 - Contributo in Atti di convegno
MUNARIN F, P.PETRINI, TANZI M.C. (2010). Natural polysaccharides for in vivo cell delivery. In: Second International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, . Kottayam (Kerala), India, 24/9/2010 - 26/9/2010, p. 1-4

2010 - Contributo in Atti di convegno
MUNARIN F, M. A. GRELLIER, S. G. GUERREIRO, P. PETRINI, TANZI M.C., M. A. BARBOSA, P.L. GRANJA (2010). Pectin microspheres promote preosteoblast 3-dimensional growth. In: 23rd European Conference on Biomaterials. Tampere - Finland, 11/9/2010 - 15/9/2010, p. 3322

2010 - Contributo in Atti di convegno
A.P. ALVES, R.M. RIBEIRO DE SOUSA, MUNARIN F, P. PETRINI, TANZI M.C. (2010). Polyuronic acid gelification for biomedical applications. In: Congresso Nazionale della Società Italiana Biomateriali. Camogli (Genova), 24/5/2010 - 26/5/2010, p. 1

2010 - Contributo in Atti di convegno
A. FATTAHI, PETRINI P, F. MUNARIN, M.A. GOLOZAR, J. VARSHOSAZ, M.A. FATHI, TANZI M.C. (2010). UV Evaluation of Polyplex/pectin Micro- and Nano-particles for Gene Therapy. In: 23rd European Conference on Biomaterials. Tampere, Finland, 11/9/2010-15/9/2010, p. 207.3827

2010 - Contributo in Atti di convegno
CANDIANI G, D. PEZZOLI, A. CIGADA, A. FATTAHI, P. PETRINI, TANZI M.C. (2010). Pectin-Coated Polyethylenimine Polyplexes as Effective Gene Delivery Systems. In: BioMed@POLIMI: 20 yrs & beyond. Le scienze della Vita al Politecnico di Milano. Milan, Italy, November 30, 2010, p. 1-3

2010 - Brevetto
PETRINI P, TANZI M.C., L. GIULIANO, F. MUNARIN, G. BIANCHI, P. ROBOTTI (2010). Materiale composito formato da pectina e calcio fosfato e metodo per la sua realizzazione. VR2010A000140, Eurocoating spa

2010 - Contributo in Atti di convegno

Mantero S., Asnaghi M.A., Candiani G., Farè S., Fiore G.B., Petrini P., Raimondi M.T., Soncini M. (2010). Trends in Regenerative Medicine. In: BioMed@POLIMI Proc 1st Workshop on the Life Sciences at Politecnico di Milano. Milano, Italy, November 30, 2010, p. 189-199, ISBN: 9788864930084
2010 - Contributo in Atti di convegno

TANZI M.C., S. BOZZINI, G. CANDIANI, L. DE NARDO, S. FARÈ, F. GANAZZOLI, D. GASTALDI, LEVI M., P. METRANGOLO, F. MIGLIAVACCA, OSELLAME R, P. PETRINI, G. RAFFAINI, G. RESNATI, P. VENA, S. VESENTINI, P. ZUNINO (2010). Smart Bio-Materials and Drug Delivery. In: BioMed@POLIMI: 20 yrs & beyond. Le scienze della Vita al Politecnico di Milano. Milano (Italy), 30/11/2010, p. 145-153
2010 - Contributo in Atti di convegno

S. Bozzini, S. Fare', L. Altomare, P.Petrini, A. Bandiera, M. C. Tanzi (2010). Human Elastin-like Polypeptides: Recombinant Biopolymers for Regenerative Medicine. In: Third International NanoBio Conference 2010. EUROPEAN CELLS & MATERIALS, p. 27, ISSN: 1473-2262, Zurich (Switzerland), 24/9/2010-27/08/2010
2010 - Contributo in Atti di convegno

A. FATTAHI, PEZZOLI D, J. VARSHOSAZ, M. A .GOLOZAR, H. M. MOHAMMAD-SADEGHI, P. PETRINI, TANZI M.C., G. CANDIANI (2010). Characterization of Pectin-coated Polyethylenimine polyplexes as effective gene delivery systems. In: 23rd European Conference on Biomaterials. Tampere (Finland), p. X
2010 - Contributo in Atti di convegno

ALTOMARE L, S. BERTOLDI, V. CATTO, DRAGHI L., S. FARE', F. MUNARIN, P. PETRINI, TANZI M.C. (2010). Micro and Nano Structured Polymeric Scaffolds for Tissue Engineering. In: BioMed@POLIMI: 20 yrs and beyond. Milano, Italy, p. 1-4
2010 - Contributo in Atti di convegno

MUNARIN F, S. G. GUERREIRO, M. A. GRELLIER, P. PETRINI, TANZI M.C., M. A. BARBOSA, P. L. GRANJA (2010). Pectin microspheres as new injectable systems for bone tissue regeneration. In: Secondo Congresso Nazionale di Bioingegneria. Torino, 08/7/2010 - 10/7/2010, p. 387-388
2010 - Contributo in Atti di convegno

MUNARIN F, P. PETRINI, TANZI M.C. (2010). Pectin – based Microcapsules for Cell Encapsulation. In: Congresso Nazionale della Società Italiana Biomateriali. Camogli (GE), 24/5/2010-26/5/2010
2010 - Contributo in Atti di convegno

BOZZINI S, S. TOSATTI, S. ZÜRCHER, P. PETRINI, L. VISAI, TANZI M.C. (2010). Self Assembly Systems for Surface Modification and Drug Delivery. In: BioMed@POLIMI: 20 yrs & beyond. Le scienze della Vita al Politecnico di Milano. Milano (Italy), 30/11/2010, p. 171-174
2009 - Articolo in rivista

S. BOZZINI, P. PETRINI, L. ALTOMARE, TANZI M.C. (2009). Fabrication of chemically cross-linked porous gelatin matrices. JOURNAL OF APPLIED BIOMATERIALS & BIOMECHANICS, vol. 7, p. 194-199, ISSN: 1722-6899
2009 - Contributo in Atti di convegno

PETRINI P, F. MUNARIN, L. GIULIANO, TANZI M.C. (2009). Mineralized pectin microspheres as injectable systems. In: Congresso Nazionale Biomateriali. Salice Terme (PV), 15/6/2009 -17/6/2009, p. 45
2009 - Contributo in Atti di convegno

L. GIULIANO, MUNARIN F, P. PETRINI, TANZI M.C. (2009). Biomimetic calcium phosphate deposition onto carboxylated polysaccharidic (pectin) microspheres. In: 12th Ceramics, Cells and Tissues International Congress on Bioceramics. Faenza (RA), 19/05/2009 - 22/05/2009
2009 - Contributo in Atti di convegno

MUNARIN F, P. PETRINI, S. FARE', M.A. BARBOSA, TANZI M.C., P.L. GRANJA (2009). Electrostatically extruded pectin microspheres and their chemico-physical properties. In: 2nd China-Europe Symposium on Biomaterials in Regenerative Medicine. Barcellona (Spain), 16/11/2009 - 20/11/2009
2009 - Contributo in Atti di convegno

S. Bozzini, A. Bandiera, S. Fare', A. Fotticchia, P. Petrini, M. C. Tanzi (2009). HELP (Human Elastin-like Polypeptide) as a key component in matrices for regenerative medicine. In: Society for Biomaterials 2009 Annual Meeting and Exposition. p. 1, San Antonio, TX, USA, 22/4/2009 - 25/4/2009
2009 - Contributo in Atti di convegno

PETRINI P, G. BIANCHI, C. PERRINO, S. BOZZINI, TANZI M.C. (2009). Structural characterization of chitosan-grafted polyurethanes. In: 12th International Conference on Fracture. Ottawa, Canada, 12/6/2009-17/6/2009, p. 1-10
2009 - Contributo in Atti di convegno

BOZZINI S, D. PERRONE, P. PETRINI, TANZI M.C. (2009). Fabrication of Chemically Cross-linked Porous Gelatin Matrices. In: Congresso Nazionale Biomateriali. Salice Terme (Pv), 15/6/2009-17/6/2009, p. 76
2008 - Contributo in Atti di convegno

F. Munarin, S. Fare', P. Petrini, M. Zanetta, M.C. Tanzi (2008). Natural polymers microcapsules: preparation, properties and possible applications. In: I Congresso Nazionale di Bioingegneria. Pisa, Italy, 03/07/2008 - 05/07/2008, p. 353-354
2008 - Contributo in Atti di convegno

S.Bozzini, P.Petrini, S.Zürcher, S. Tosatti, G.Bianchi, P.Robotti, M.C.Tanzi (2008). PEG-based SAMs onto TiO₂ Surfaces to Improve the Performance of Titanium Bone Implants. In: InVENTS - 5th Marie Curie Cutting Edge Conference, "Synthesis and applications of self-assembling materials at nano-scale". Funchal, Madeira, Portugal, April 14 to 18, 2008
2007 - Brevetto

PETRINI P, S. BOZZINI, TANZI M.C., L. VISAI (2007). METHOD FOR MAKING ANTIBACTERIAL AND ANTIVIRAL THE SURFACES OF METAL PRODUCTS INTENDED FOR MEDICAL USES. WO2007/138446, Eurocoating S.p.A.
2007 - Contributo in Atti di convegno

BOZZINI S, P. PETRINI, S. ZÜRCHER, S. TOSATTI, TANZI M.C., G. BIANCHI, P. ROBOTTI (2007). PEG-BASED SAMs ONTO TITANIUM OXIDE SURFACES: EFFECT OF PEG MOLECULAR WEIGHT. In: European Cells and Materials. Zürich (Switzerland), August 29-31, 2007, p. 124
2007 - Contributo in Atti di convegno

BOZZINI S, P. PETRINI, S. ZUERCHER, TANZI M.C., L. VISAI, S. TOSATTI (2007). PEG-based self assembly monolayers on titanium oxide surfaces. In: Proceedings of ESF-EMBO Symposium-Biological Surfaces and Interfaces. Sant Feliu de Guixols (Costa Brava) Spain, July 1-6, 2007
2007 - Contributo in Atti di convegno

TANZI M.C., S. FARE', P. PETRINI, S. BERTOLDI (2007). Cross-linked polyurethane foams for biomedical applications: from external devices to implantable scaffolds for tissue engineering. In: Biofoams 2007. Capri - Napoli, 26/09/2007 - 28/09/2007, p. 51
2007 - Contributo in Atti di convegno

PETRINI P (2007). Chitosan-based Biohybrid Hydrogels For Tissue Regeneration. In: International Workshop on Applications of chitosan in medical sciences. 25-26 January 2007, Venice, Italy, p. 34-40
2007 - Contributo in Atti di convegno

S. Bozzini, P. Petrini, S. Zuercher, L. Visai, S. Tosatti, M.C. Tanzi (2007). Self assembly monolayers PEG-terminati su ossido di titanio. In: Congresso Nazionale Società Italiana Biomateriali. Bologna, 30-31 Maggio 2007
2006 - Articolo in rivista

PETRINI P, ARCIOLA CR, PEZZALI I, BOZZINI S, MONTANARO L, M. TANZI, SPEZIALE P, VISAI L (2006). Antibacterial activity of zinc modified titanium oxide surface. INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS, vol. 29, p. 434-442, ISSN: 0391-3988
2006 - Contributo in Atti di convegno

P. Petrini, G. Bianchi, C. Perrino, S. Bozzini, M.C. Tanzi (2006). Biohybrid Hydrogels: Polyurethane Grafting onto Chitosan. In: International Conference on Advances in Biomaterials for Drug Delivery and Regenerative Medicine. Capri, Italy, June 11th-16th
2005 - Articolo in rivista

S. Fare', V. Valtulina, P. Petrini, E. Alessandrini, G. Pietrocola, M.C. Tanzi, P. Speziale, L. Visai (2005). In vitro interaction of human fibroblasts and platelets with a shape-memory polyurethane. JOURNAL OF BIOMEDICAL MATERIALS RESEARCH. PART A, vol. 73A, p. 1-11, ISSN: 1549-3296
2005 - Contributo in volume (Capitolo o Saggio)

TANZI M.C., FARE' S, PETRINI P (2005). L'evoluzione dei biomateriali polimerici: da materiali inerti a materiali a interazione programmata. In: A. CIGADA, R. CONTRO, C. DI BELLO, M.C. TANZI. Biomateriali: dagli impianti protesici alla medicina rigenerativa. vol. 24, p. 9-26, QUARTO INFERIORE:Patron, ISBN: 88-555-2836-X
2005 - Contributo in Atti di convegno

P. PETRINI, S. BOZZINI, M. BARDELLI, N. ARIENTI, TANZI M.C. (2005). Surface modification via UV activation of crystalline titanium oxide. In: Proceedings of 19th European Conference on Biomaterials. 11-15 September, 2005
2005 - Contributo in Atti di convegno

P. PETRINI, S. FARÈ, S. RESTA, DRAGHI L., TANZI M.C. (2005). Polyurethane Foams as Versatile Scaffold for Tissue Engineering Applications. In: 19th European Conference on Biomaterials. Sorrento (NA), Italy, 11-15 Settembre 2005, p. 257
2004 - Contributo in volume (Capitolo o Saggio)

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2004 - Contributo in Atti di convegno

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Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".



Paola Petrini