






INFORMAZIONI PERSONALI

Paolo Antonio Netti



 Via S. Lucia, 100, Napoli, Campania, Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale dell'Università Federico II di Napoli, Italia
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 Sesso: M

ESPERIENZA PROFESSIONALE

- 2015 - oggi **Ricerca/Insegnamento**
Professore Ordinario settore disciplinare ING-IND/34 presso il
 Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale dell'Università Federico II di Napoli, Italia
- 2010 - 2015 **Ricerca/Insegnamento**
Professore Ordinario settore disciplinare ING-IND/22 presso il
 Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale dell'Università Federico II di Napoli, Italia
- 2009 - oggi **Ricerca**
Direttore del Centre for Advanced Biomaterials for Health Care dell'Istituto Italiano di Tecnologia (IIT).
 Fondazione Istituto Italiano di Tecnologia CABHC@CRIB Napoli, Italia
- 2008-2011 **Insegnamento**
Presidente del corso di Laurea in Ingegneria dei Materiali
 Università Federico II di Napoli, Italia
- 2004 - 2013 **Ricerca**
Direttore del Centro di Ricerca Interdipartimentale sui Biomateriali (CRIB)
 Università Federico II di Napoli, Italia
- nov. '02 - ott'10 **Ricerca/Insegnamento**
Professore Associato settore disciplinare ING-IND/22
 Dipartimento di Ingegneria dei Materiali e della Produzione dell'Università Federico II di Napoli, Italia
- nov. '99 - ott. '02 **Ricerca/Insegnamento**
Ricercatore Universitario settore scientifico-disciplinare ING-IND/22
 Dipartimento di Ingegneria dei Materiali e della Produzione dell'Università Federico II di Napoli, Italia

- gen.'97 - ott. '99 **Ricerca**
Assegnista di ricerca
 Università degli Studi di Napoli, Federico II, Napoli, Italia
- nov. '94 - dic. '96 **Ricerca**
Post-doctoral Fellow
 Dipartimento di Health Science & Technology (Edwin Steele laboratory) dell'Università di Harvard e M.I.T. Boston, USA
- sett. '90 - ott. '91 **Ricerca**
Borsa di studio presso il Dipartimento di Ingegneria dei Materiali e della Produzione.
 Università degli Studi di Napoli, Federico II, Napoli, Italia
- ett. '90 - ott. '91 **Ricerca**
Borsa di studio presso il Dipartimento di Ingegneria dei Materiali e della Produzione.
 Università degli Studi di Napoli, Federico II, Napoli, Italia

ISTRUZIONE E FORMAZIONE

- 1990 **Laurea in Ingegneria Chimica conseguita con lode**
 Università degli Studi di Napoli, Federico II, Napoli, Italia
- nov. '91 - ott. '94 **Dottorato di ricerca in Ingegneria Chimica.**
 Università degli Studi di Napoli, Federico II, Napoli, Italia

COMPETENZE PERSONALI

Lingua madre **Italiano**

Altre lingue	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	C1	C1	C1	C1	C1

Patente di guida **A/B**

 ULTERIORI INFORMAZIONI

Pubblicazioni
 Presentazioni
 Progetti
 Conferenze
 Seminari
 Riconoscimenti e premi
 Appartenenza a gruppi /
 associazioni
 Referenze
 Menzioni
 Corsi
 Certificazioni

Riconoscimenti e premi

- 1998 European Society for Biomaterials: *The Jean Leray Award*
 2007 Insignito *motu-proprio* dal Presidente della Repubblica Italiana del titolo di Commendatore all'ordine del merito della Repubblica Italiana per meriti scientifici
 2008 International Union of Societies for Biomaterials: *Fellow, Biomaterials Science and Engineering (FBSE)*

Componente dell'editorial board delle riviste scientifiche

Journal of Biomaterials Applications
 Journal of Material Science: Materials in Medicine
 Journal of Bioactive and Compatible Polymers
 Journal of Applied Biomaterials and Biomechanics

Coordinamento, organizzazione e direzione di progetti di ricerca
Progetti di ricerca nazionali

Responsabile Scientifico del progetto di ricerca "*Ingegnerizzazione di una tecnica sperimentale innovativa per la determinazione dell'efficienza di penetrazione di farmaci macromolecolari in tessuti neoplastici*", Regione Campania Legge 41, annualità 1999.

Responsabile Scientifico di un contratto di ricerca con la Mapei S.p.A. su "*Ottimizzazione del comportamento reologico di lattici polimerici*", annualità 2000-2003.

Coordinatore locale del WP3 del Progetto di Ricerca P1 "*Biomateriali in funzione applicativa*", progetto CLUSTER del Ministero dell'Università e della Ricerca Scientifica (MIUR), annualità 2000-2005.

Coordinatore nazionale del Progetto di Ricerca "*Studio degli effetti gravitazionali sulla crescita e rimodellazione dei tessuti: realizzazione di un modello sperimentale per l'analisi della risposta a sollecitazioni meccaniche*", Agenzia Spaziale Italiana (ASI) annualità 2000-2003.

Coordinatore locale del progetto di ricerca "*Trasporto di Macromolecole in fluidi complessi*", Coordinatore Nazionale Prof. V. Vitagliano, Agenzia Spaziale Italiana (ASI) annualità 2000.

Responsabile Scientifico del progetto di ricerca "*Matrici Bioattive per il Controllo della Migrazione Cellulare*", Regione Campania Legge 41, annualità 2000.

Coordinatore del Work Package 1c '*Biomateriali*', del Centro Regionale di Competenza (CRdC) 'Nuove Tecnologie', Regione Campania, annualità 2002-2005.

Coordinatore locale del progetto di ricerca "*Novel Biotechnological and Postgenomic Tools for Tissue Revascularization*", Coordinatore Nazionale Prof. F. Bussolino, progetto FIRB, MIUR annualità 2002-2005.

Coordinatore locale del progetto di ricerca "*Rivestimenti bioattivi di stent cardiovascolari*", Coordinatore Nazionale Prof. C. Indolfi, progetto FIRB, MIUR annualità 2002-2005.

Coordinatore nazionale del Progetto di Ricerca di Interesse Nazionale PRIN "*Nuovi materiali sintetici per il controllo dell'attività cellulare*" MIUR, annualità 2003-2005.

Coordinatore del Progetto di Ricerca "*Ingegnerizzazione di matrici polimeriche attivate geneticamente GAM*" Legge 5, Regione Campania, annualità 2003-2004.

Responsabile Scientifico del progetto di ricerca "*Ingegnerizzazione di matrici polimeriche micro e nanoporose*", Regione Campania Legge 41, annualità 2005.

Responsabile Scientifico del progetto di ricerca "*Sviluppo di una superficie di impianto che possa migliorare l'integrazione tra impianto e osso mediante l'impiego di cellule staminali autologhe*", MIUR, progetto PIA, annualità 2005-2007.

Responsabile Scientifico del progetto di ricerca "*Ingegnerizzazione di pellame innovativo attraverso la manipolazione e la biosintesi del network macromolecolare costituente il derma*", Legge 297, MIUR, annualità 2005-2009.

Responsabile Scientifico del progetto di ricerca "TRIPODE", Legge 297, MIUR, annualità 2006-2009.

Coordinatore locale del progetto di ricerca "*Tissuenef*", Coordinatore nazionale Prof. L. Ambrosio, progetto FIRB, MIUR annualità 2007-2010.

Coordinatore locale del progetto di ricerca "*Modelli innovativi per il riparo e la rigenerazione di tessuti ortopedici danneggiati*" progetto FIRB, MIUR (2011).

Coordinatore nazionale del progetto "Ingegnerizzazione e biofunzionalizzazione di scaffold per ingegneria dei tessuti", progetto PRIN del Ministero dell'Università e della Ricerca Scientifica (MIUR), 2010-2012

Coordinatore locale Implementazione di bio-nanotecnologie per la produzione manufatti innovativi in pellame. MIUR - Programma Operativo Nazionale Ricerca e Competitività 2007-2013

Coordinatore locale del progetto "Development of a technological platform, portable and automated, for molecular diagnostics purposes, based on a Lab-on-a Chip technology and performing multiparametric infectivological applications" MIUR - Programma Operativo Nazionale Ricerca e Competitività 2007-2013

Responsabile di ricerca del progetto Nuovo Centro Studi di Medicina Molecolare (CeSMemo) MIUR Avviso (254/Ric 18/05/2011) – I Azione – "Rafforzamento strutturale"

Coordinatore locale del progetto Infrastruttura per Tecnologie BioMEMS di Sensing Avanzato per Monitoraggio e Diagnostica Ambientale e Alimentare MIUR Avviso (254/Ric 18/05/2011) – I Azione – "Rafforzamento strutturale"

Coordinatore locale del progetto "NewTON (Nanosistemi avanzati per una nuova oncologia molecolare)" progetto FIRB, MIUR (2011-2016).

Coordinatore locale del progetto PON03PE_00146_1 Title: "Biomarker, Biomateriali e Farmaci Innovativi per la Diagnosi e per la Terapia dell'ischemia Cerebrale e dei Tumori Plurifarmacoresistenti della Testa, del Collo e della Mammella Attraverso la Realizzazione di una Rete di Biobanche"

Coordinatore locale del progetto MICROMAP (PON01_02589) Title "Sviluppo di una piattaforma tecnologica multiplex per diagnostica molecolare, portatile ed automatizzata, basata sulla logica strumentale del Lab-on-chip, in grado di consentire applicazioni multiparametriche in campo infettivologico" – National project –

Coordinatore locale del progetto ITEM (PONA3_00077) Title: "Infrastruttura per Tecnologie BioMEMS di Sensing Avanzato per Monitoraggio e Diagnostica Ambientale e Alimentare" – funds 8.74 M€. Project in partnership with IIT CBN center in Lecce.

Coordinatore locale del progetto MERIT (RBNE08HM7T) Title: "Modelli innovativi di riparazione e rigenerazione di tessuti in traumi ortopedici", FIRB Program; funds 147k€

Coordinatore locale del progetto CeSMemo (PONA3_000173) Title: Centro sperimentale di medicina molecolare.

Progetti di Ricerca internazionali

Coordinatore locale del progetto di ricerca europeo '*IMBIOTOR*' Intelligent Mini Bioreactor for Tissue Processing, G1RD-CT2000-00293, *V Framework Programme*, annualità 2001-2004.

Coordinatore locale del progetto di ricerca europeo '*DERMAGENESIS*' *Bio-engineering of leather: structure design, biosynthesis - Towards zero emission production*, n° COLL-CT-2003-500224, *VI Framework Programme*, annualità 2003-2008.

Coordinatore locale del progetto di ricerca europeo "Tissue in host engineering guided

regeneration of the arterial intimal layer" (The Grail) *VII Framework Programme*, annualità 2012-2017

Responsabile di WP nel progetto di ricerca europeo "AirGreen 2" Horizon 2020, annualità 2015-2017.

Monitoraggio e tutoraggio di progetti di ricerca

Componente del comitato scientifico della stazione sperimentale per l'industria delle pelli e delle materie concianti – NAPOLI- dal nov. 2006 ad oggi.

Incarico della Regione Campania quel membro della commissione di valutazione delle attività di ricerca del Distretto IMAST, annualità 2007-2010.

Incarico del Ministero dell'Università e Ricerca Scientifica per la valutazione in itinere ed *ex-post* di 4 progetti FIRB in Nanobioteconologie, annualità 2005-2012.

Incarico dal governo portoghese (FTP) come mebro del pannello 'P5 material science' di valutazione dei progetti nazionali di ricerca, annualità 2007-2011.

Incarico dal presidente dell'European Research Council (ERC) come componente di valutazione dei progetti ERC Advanced Grant nel pannello PE5- Materials, annualità 2011-2014.

Organizzazione di conferenze e simposia scientifici internazionali

Co-Chairman della conferenza internazionale 'International Conference on Advances of Biomaterials for Reconstructive Medicine' giugno 9-14, 2002, Capri, Italia.

Organizzatore del simposio 'Transport in tissue engineering' nell'ambito della conferenza della European Society of Biomechanics Annual Meeting, luglio 4-7, 2004, 's-Hertogenbosch, Olanda.

Organizzatore del simposio 'Angiogenesis in biomaterials' nell'ambito della conferenza 7th World Biomaterial Conference, 17-21 maggio, 2004, Sydney, Australia.

Co-Chairman della conferenza internazionale della Società Europea dei Biomateriali '19th European Conference on Biomaterials', 11-15 Settembre, 2005, Sorrento, Italia.

Co-Chairman della conferenza internazionale 'International Conference on Advances in Biomaterials for Drug Delivery and Regenerative Medicine', giugno 11-16, 2006, Capri, (Na), Italia.

Co-Chairman e organizzatore della conferenza internazionale "Advances in Polymer based Materials and Related Technologies", 20 maggio-1 giugno 2011, Centro Congressi Capri (Na), Italia.

Chairman del Simposio "Nano-Engineered Bioactive Interfaces" nell'ambito della conferenza della Società Europea dei Materiali, 27-31 maggio, 2013, Strasburgo, Francia.

Pubblicazioni

1. "C. Carfagna; P.A. Netti; L. Nicolais; A. T. DiBenedetto" In-Situ Composites: Evaluation of the Adhesion Between the Thermoplastic Matrix and the Fibers of Liquid Crystalline Polymer POLYMER COMPOSITES 13 3 1992
2. "Amendola, E; Carfagna, C; Netti, PA; Nicolais, L; Saiello, S" The Influence of a Copolymer as Adhesion Promoter for Polycarbonate and Liquid Crystalline Polymer Blends JOURNAL OF APPLIED POLYMER SCIENCE 50 1 1992
3. "Netti, P.A.; Shelton, J.C; Revell, P.A.; Pirie, G.; Smith, S.; Ambrosio, L.; Nicolais, L.; Bonfield, W." Hydrogels as an interface between bone and an implant BIOMATERIALS 14 14 1993
4. "E. Amendola;C. Carfagna;P. Netti;L. Nicolais;S. Saiello" Influence of a copolymer as adhesion promoter for polycarbonate and liquid crystalline polymer blends JOURNAL OF APPLIED POLYMER SCIENCE 50 1993
5. "A. D'Amore; A. Pompo; P. A. Netti; E. Masi and L. Nicolais" Non-Linear Viscoelastic Behavior of Poly-Ether-Ether-Ketone (PEEK) and PEEK-Based Composites JOURNAL OF REINFORCED PLASTICS AND COMPOSITES 12 3 1993
6. "P. A. Netti; J. C. Shelton; P. A. Revell; C. Pirie; S. Smith; L. Ambrosio; L. Nicolais and W. Bonfield"Hydrogel as an Interface Between Bone and an Implant BIOMATERIALS 1993
7. "M.A. DEL NOBILE; G. MENSITIERI; P.A. NETTI; L. NICOLAIS" Anomalous Diffusion in Poly-ether-ether-ketone (PEEK) CHEMICAL ENGINEERING SCIENCE 49

- (5) 1994
8. "M. A. Del Nobile; G. Mensitieri; P. A. Netti; L. Nicolais" Anomalous Diffusion in Poly-Ether-Ether-Ketone CHEMICAL ENGINEERING SCIENCE 49 5 1994
 9. "Netti, Paolo A.; Baxter, Laurence T.; Boucher, Yves; Jain, Rakesh K.; Skalak, Richard" Time-dependent Behavior of Interstitial Fluid Pressure in Solid Tumors: Implications for Drug Delivery CANCER RESEARCH 55 22 1995
 10. "P. NETTI; BAXTER L.T; BOUCHER Y.; SKALA R.; JAIN R.K." Time-Dependent Behavior of Interstitial Fluid Pressure in Solid Tumors: Implication for Drug Delivery CANCER RESEARCH 55 1995
 11. "R. Skalak; S. Zargaryan; R. K. Jain; P. A. Netti; A. Hoger" Compatibility and Genesis of Residual Stress by Volumetric Growth JOURNAL OF MATHEMATICAL BIOLOGY 34 8 1996
 12. "P. A. Netti; S. Roberge; Y. Boucher; L. T. Baxter; R. K. Jain" Effect of Transvascular Fluid Exchange on Pressure - Flow Relationship in Tumors: A Proposed Mechanism for Tumor Blood Flow Heterogeneity MICROVASCULAR RESEARCH 52 1 1996
 13. "NETTI, PA; AMBROSIO, L; DEL NOBILE, MA; MENSITIERI, G; NICOLAIS, L." Water Transport in Hyaluronic Acid Ester JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS 11 4 1996
 14. "Ambrosio, L.; Netti, P. A.; Iannace, S.; Huang, S. J.; Nicolais, L." Composite hydrogels for intervertebral disc prostheses JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 7 5 1996
 15. "AMBROSIO L.; P. NETTI; IANNACE S.; HUANG S.J.; NICOLAIS L." Composite Hydrogel for Intervertebral Disc Prostheses JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 7 1996
 16. "P. A. Netti; A. D'Amore; D. Ronca; L. Ambrosio; L. Nicolais" Structure-Mechanical Properties Relationship of Natural Tendons and Ligaments JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 7 9 1996
 17. "HELMINGER G.; P. NETTI; LICHTENBELD H.; MELDER R.; JAIN R.K." Solid Stress Inhibits the Growth of Multicellular Spheroids NATURE BIOTECHNOLOGY 15 1997
 18. "Helmlinger, G; Netti, P A; Lichtenbeld, H C; Melder, R J; Jain, R K" Solid stress inhibits the growth of multicellular tumor spheroids NATURE BIOTECHNOLOGY 15 8 1997
 19. "BAISH J.W.; P. NETTI; JAIN R.K." Transmural Coupling of Fluid Flow in Microcirculatory Network and Interstitium in Tumors MICROVASCULAR RESEARCH 53 2 1997
 20. "P. NETTI; BAXTER L.T.; BOUCHER Y.; SKALAK R.; JAIN R.K." Macro and Microscopic Fluid Transport in Living Tissues: Application to Solid Tumors AICHE JOURNAL 43 3 1997
 21. "De Santis, R; Iannace, S.; Netti, P.A.; Ambrosio, L." Composite structures for tendon and ligament prostheses ANALES DE QUIMICA 93 1 SUPPL. 1 1997
 22. "BOUCHER Y.; BREKKEN C.; P. NETTI; BAXTER L.T; JAIN R.K." Intratumoral Infusion of Fluid: Estimation of Hydraulic Conductivity and Implications for the Delivery of Therapeutic Agents BRITISH JOURNAL OF CANCER 78 11 1998
 23. "Ambrosio; R. De Santis; S. Iannace; P. A. Netti; L. Nicolais" Viscoelastic behavior of composite ligament prostheses JOURNAL OF BIOMEDICAL MATERIALS RESEARCH 42 1 1998
 24. "P. NETTI; HAMBERG L.M; BACICH J.M.; KIERSTEAD D.; GRAHAM W.; HUNTER J.; WOLF G.L.; BOUCHER Y.; FISCHMAN A.; JAIN R.K." Enhancement of fluid filtration across tumor vessels: Implication for delivery of macromolecules PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 96 6 1999
 25. "AMBROSIO L.; BORZACCHIELLO A.; P. NETTI; NICOLAIS L." Rheological Study on Hyaluronic acid and its Derivatives Solutions JOURNAL OF MACROMOLECULAR SCIENCE. PURE AND APPLIED CHEMISTRY A36 7-8 1999
 26. "PLUEN A.; P. NETTI; JAIN R.K.; BERK D.A." Diffusion of Macromolecules in Agarose Gels: Comparison of Linear and Globular Configurations BIOPHYSICAL JOURNAL 77 1 1999
 27. "SWARTZ M.A.; KAIPAINEN A.; P. NETTI; BREKKEN C.; BOUCHER Y.; GRODZINSKY AJ.; JAIN R.K." Mechanics of Interstitial-lymphatic Fluid Transport: Theoretical Foundation and Experimental Validation JOURNAL OF BIOMECHANICS 32 12 1999
 28. "Micco, Giovanni; Netti, Paolo A.; Nicolais, Luigi; Collina, Amilcare; Astarita, Gianni" A novel approach for grinding operation scale-up CHEMICAL ENGINEERING SCIENCE

- 55 8 2000
29. "P. NETTI; BERK D.A.; SWARTZ M.A.; GRODZINSKY A.J.; JAIN R.K." Role of Extracellular Matrix Assembly in Interstitial Transport in Solid Tumors CANCER RESEARCH 60 9 2000
 30. "G. Micco; P. A. Netti; L. Nicolais; A. Collina; G. Astarita" A Novel Approach to Grinding Operation Scale-up CHEMICAL ENGINEERING SCIENCE 2000
 31. "L. LANOTTE; G. AUSANIO; V. IANNOTTI; G. PEPE; G. CAROTENUTO; P. NETTI; L. NICOLAIS" Magnetic and magnetoelastic effects in a composite material of Ni microparticles in a silicone matrix PHYSICAL REVIEW. B, CONDENSED MATTER AND MATERIALS PHYSICS 63 5 2001
 32. "BORZACCHIELLO A; AMBROSIO L; NETTI P. A.; L. NICOLAIS; PENICHE C; GALLARDO A; SAN ROMAN J" Chitosan-based hydrogels: Synthesis and characterization JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 12 10-12 2001
 33. "F.CAUSA;L.MANTO;P.NETTI;L.NICOLAIS;BORZACCHIELLO A.; DESANTIS R.; AMBROSIO L." STATIAL AND STRUCTURAL DEPENDENCE OF MECHANICAL PROPERTIES OF PORCINE INTERVERTEBRAL DISC JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 2002
 34. "Causa, F; Manto, L.; Borzacchiello, A.; De Santis, R.; Netti, P.A.; Ambrosio, L.; Nicolais, L." Spatial and structural dependence of mechanical properties of porcine intervertebral disc JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 13 12 2002
 35. "P. NETTI; F. TRAVASCIO; R.K. JAIN" Coupled macromolecular transport and gel mechanics: Poroviscoelastic approach AICHE JOURNAL 49 6 2003
 36. "ROOSE T; NETTI PA; MUNN LL; BOUCHER Y; JAIN RK" Solid stress generated by spheroid growth estimated using a linear poroelastisity model MICROVASCULAR RESEARCH 66 3 2003
 37. "A. SANNINO; A.; P. NETTI; G. MENSITIERI; L. NICOLAIS." Designing microporous macromolecular hydrogels for biomedical applications: a comparison between two techniques. COMPOSITES SCIENCE AND TECHNOLOGY 63 16 2003
 38. "MOLLICA F.; P. NETTI; JAIN R" A model for temporal heterogeneities of tumor blood flow MICROVASCULAR RESEARCH 65 1 2003
 39. "SANNINO A; NETTI P. A; G. MENSITIERI; NICOLAIS L" Designing microporous macromolecular hydrogels for biomedical applications: a comparison between two techniques. COMPOSITES SCIENCE AND TECHNOLOGY 63 (16) 2003
 40. "Ambrosio, L; Battista, S.; Borzacchiello, A.; Borselli, C.; Causa, F.; De Santis, R.; Netti, P.A.; Zeppetelli, S." Biomimetic structures for implants and tissue engineering scaffolds MEDICAL JOURNAL OF MALAYSIA 59 2004
 41. "X. XUEJUN; A. BORZACCHIELLO; P. NETTI; L. AMBROSIO AND L. NICOLAIS; A. SANNINO" Preparation and Characterization of a Hydrogel from low-molecular weight hyaluronic acid JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS 19 2004
 42. "R. De Santis; F. Sarracino; F. Mollica; P.A. Netti; L. Ambrosio; L. Nicolais" Continuous fibre reinforced polymers as connective tissue replacement COMPOSITES SCIENCE AND TECHNOLOGY 64 2004
 43. "R. De Santis; F. Causa; F. Sarracino; PA. Netti; L. Ambrosio" Biomimetic composite hydrogel for tissue reconstruction ANNALS OF TRANSPLANTATION 9 2004
 44. "G. Leone; R. Barbucci; A. Borzacchiello; L. Ambrosio; P.A. Netti; C. Migliaresi" Preparation and physio-chemical characterisation of microporous polysaccharidic hydrogels JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 15 2004
 45. "A. SANNINO; M. MADAGHIELE; F. CONVERSANO; G. MELE; A. MAFFEZZOLI; P. NETTI; L. AMBROSIO; L. NICOLAIS" Cellulose derivative-hyaluronic acid-based microporous hydrogels crosslinked through divinyl sulfone (DVS) to modulate equilibrium sorption capacity and network stability BIOMACROMOLECULES 5 2004
 46. "X. Xin; A. Borzacchiello; P.A. Netti; L. Ambrosio; L. Nicolais" Hyaluronic-acid-based semi-interpenetrating materials JOURNAL OF BIOMATERIALS SCIENCE POLYMER EDITION 15 9 2004
 47. "BATTISTA S; GUARNIERI D; BORSELLI C; ZEPPELLI S; BORZACCHIELLO A; MAYOL L; GERBASIO D; KEENE DR; AMBROSIO L; P. NETTI" The effect of matrix composition of 3D constructs on embryonic stem cell differentiation BIOMATERIALS 26 31 2005
 48. "DECUZZI P; CAUSA F; FERRARI M; P. NETTI" The effective dispersion of nanovectors within the tumor microvasculature ANNALS OF BIOMEDICAL

- ENGINEERING 34 2006
49. "Causa, Filippo; Sarracino, F.; De Santis, R.; Netti, P.A.; Ambrosio, L.; Nicolais, L." Basic structural parameters for the design of composite structures as ligament augmentation devices JOURNAL OF APPLIED BIOMATERIALS & BIOMECHANICS 4 1 2006
 50. "FUSCO S; BORZACCHIELLO A; P. NETTI" Perspectives on: PEO-PPO-PEO triblock copolymers and their biomedical applications JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS 21 2 2006
 51. "Ungaro, F.; Biondi, M.; D'Angelo, I.; Indolfi, L.; Quaglia, F.; Netti, P. A.; La Rotonda, M. I." Microsphere-integrated collagen scaffolds for tissue engineering: effect of microsphere formulation and scaffold properties on protein release kinetics. JOURNAL OF CONTROLLED RELEASE 113 2006
 52. "SANNINO A; P. NETTI; MADAGHIELE M; COCCOLI V; LUCIANI A; MAFFEZZOLI A; NICOLAIS L" Synthesis and characterization of macroporous poly(ethylene glycol)-based hydrogels for tissue engineering application JOURNAL OF BIOMEDICAL MATERIALS RESEARCH. PART A 79 2 2006
 53. "DE ROSA E; URCIUOLO F; BORSELLI C; GERBASIO D; IMPARATO G; P. NETTI" Time and space evolution of transport properties in agarose-chondrocyte constructs TISSUE ENGINEERING 26 2006
 54. "CAUSA F; P. NETTI; AMBROSIO L; CIAPETTI G; BALDINI N; PAGANI S; MARTINI D; GIUNTI A" Poly-epsilon-caprolactone/hydroxyapatite composites for bone regeneration: in vitro characterization and human osteoblast response JOURNAL OF BIOMEDICAL MATERIALS RESEARCH. PART A 76 1 2006
 55. "F. Causa; F. Sarracino; R. De Santis; P.A. Netti; L. Ambrosio; L. Nicolais" Basic structural parameters for the design of composite structure as ligament augmentation devices JOURNAL OF APPLIED BIOMATERIALS & BIOMECHANICS 4 2006
 56. "F. CAUSA; P. NETTI; L. AMBROSIO" A multi-functional scaffold for tissue regeneration: The need to engineer a tissue analogue BIOMATERIALS 28 34 2007
 57. "D. Guarnieri; S. Battista; A. Borzacchiello; L. Mayol; E. De Rosa; D. R. Keene; L. Muscariello; A. Barbarisi; P. A. Netti" Effects of fibronectin and laminin on structural, mechanical and transport properties of 3D collageneous network. JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 18 2 2007
 58. "Decuzzi, P; Gentile, F.; Granaldi, A; Curcio, A; Causa, F; Indolfi, C; Netti, PA; Ferrari, M." Flow chamber analysis of size effects in the adhesion of spherical particles INTERNATIONAL JOURNAL OF NANOMEDICINE 2 4 2007
 59. "S. Fusco; A. Borzacchiello; L. Miccio; G. Pesce; G. Rusciano; A. Sasso; P.A. Netti" High frequency viscoelastic behaviour of low molecular weight hyaluronic acid water solutions BIORHEOLOGY 44 5-6 2007
 60. "A. Gloria; F. Causa; R. DeSantis; P.A. Netti; L. Ambrosio" Dynamic-mechanical properties of a novel composite intervertebral disc prosthesis JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 18 11 2007
 61. "G. Filippone; P. A. Netti; D. Acierno" Microstructural evolutions of LDPE/PA6 blends by rheological and rheo-optical analyses: Influence of flow and compatibilizer on break-up and coalescence processes POLYMER 48 2007
 62. "A. SALERNO; M. OLIVIERO; E. DI MAIO; S. IANNACE; P. A. NETTI" Design and preparation of ?-bimodal porous scaffold for tissue engineering JOURNAL OF APPLIED POLYMER SCIENCE 106 2007
 63. "L. Savarino; N. Baldini; M. Greco; O. Capitani; S. Pinna; S. Valentini; B. Lombardo; M.T. Esposito; L. Pastore; L. Ambrosio; S. Battista; F. Causa; S. Zeppetelli; V. Guarino; P.A. Netti" The performance of poly-?-caprolactone scaffolds in a rabbit femur model with and without autologous stromal cells and BMP4 BIOMATERIALS 28 20 2007
 64. "BORSELLI, C; OLIVIERO, O; BATTISTA, S; AMBROSIO, L; NETTI, PA" Induction of directional sprouting angiogenesis by matrix gradients JOURNAL OF BIOMEDICAL MATERIALS RESEARCH. PART A 80 2 2007
 65. "M. Biondi; F Ungaro.; F. Quaglia; P.A. Netti" Controlled drug delivery in tissue engineering ADVANCED DRUG DELIVERY REVIEWS 60 2008
 66. "F. Mollica; M. Biondi; S. Muzzi; F. Ungaro; F. Quaglia; M.I. La Rotonda; P.A. Netti" Mathematical modelling of the evolution of protein distribution within single PLGA microspheres: prediction of local concentration profiles and release kinetics JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 19 4 2008
 67. "Guarino V; Causa F; Netti PA; Ciapetti G; Pagani S; Martini D; Baldini N; Ambrosio L." The role of hydroxyapatite as solid signal on performance of PCL porous scaffolds for

- bone tissue regeneration JOURNAL OF BIOMEDICAL MATERIALS RESEARCH. PART B, APPLIED BIOMATERIALS. 86 2 2008
68. "F. Urciuolo; G. Imparato; P.A. Netti" Effect of Dynamic Loading on Solute Transport in Soft Gels. Implication for Drug Delivery AICHE JOURNAL 54 3 2008
69. "Coccoli, V; Luciani, A; Orsi, S; Guarino, V; Causa, F; Netti, PA" Engineering of poly(ϵ -caprolactone) microcarriers to modulate protein encapsulation capability and release kinetic JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 19 4 2008
70. "Luciani A.; Coccoli V.; Orsi S.; Ambrosio L.; Netti P.A" PCL microspheres based functional scaffolds by bottom-up approach with predefined microstructural properties and release profiles BIOMATERIALS 29 36 2008
71. "A. Salerno; PA Netti; S. Iannace" Open-pore Biodegradable Foams Prepared via Gas Foaming and Microparticulate Templating MACROMOLECULAR BIOSCIENCE 8 2008
72. "GUACCIO A; BORSELLI C; P. NETTI" Comparative analysis of chondrocytes oxygen consumption in agarose and collagen gels BIOMATERIALS 10 2008
73. "V. Guarino; F. Causa; A. Salerno; L. Ambrosio; P. A. Netti" Design and manufacture of microporous polymeric materials with hierarchal complex structure for biomedical application MATERIALS SCIENCE AND TECHNOLOGY 24 9 2008
74. "C. Giordano; F. Causa; F. Bianco; G. Perale; PA Netti; L. Ambrosio; A. Cigada" Gene delivery systems for gene therapy in tissue engineering and central nervous system applications INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS 2008
75. "Vento, MT; Iuorio, M; Netti, PA; Ducongè, F; Tavitian, B; Franciscis, V; Cerchia, L." Distribution and bioactivity of the Ret-specific D4 aptamer in three-dimensional collagen gel cultures MOLECULAR CANCER THERAPEUTICS 7 10 2008
76. "Indolfi L.; Causa F.; Netti P." Coating process and early stage adhesion evaluation of poly(2-hydroxy-ethyl-methacrylate) hydrogel coating of 316L steel surface for stent applications JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 20 7 2009
77. "Moccia, M; Musumeci, D; Roviello, GN; Fusco, S; Valente, M; Bucci, EM; Sapio, R; Pedone, C; Netti, PA" Preliminary studies on noncovalent hyperbranched polymers based on PNA and DNA building blocks JOURNAL OF PEPTIDE SCIENCE 15 10 2009
78. "Vocca, I; Franco, P; Alfano, D; Votta, G; Carriero, MV; Estrada, Y; Caputi, M; Netti, PA; Ossowski, L; Stoppelli, MP" Inhibition of migration and invasion of carcinoma cells by urokinase-derived antagonists of $\alpha_5\beta_1$ integrin activation INTERNATIONAL JOURNAL OF CANCER 124 2 2009
79. "Biondi M.; Indolfi L.; Ungaro F.; Quaglia F.; La Rotonda M.I.; Netti P.A." Bioactivated collagen-based scaffolds embedding protein-releasing biodegradable microspheres: tuning of protein release kinetics JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 20 10 2009
80. "A. Salerno; M. Oliviero; E. Di Maio; S. Iannace; P. A. Netti" Design of porous polymeric scaffolds by gas foaming of heterogeneous blends JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 20 10 2009
81. "G. Pesce; A. C. De Luca; G. Rusciano; P. Netti; S. Fusco; A. Sasso" Microrheology of complex fluids using optical tweezers: comparison with macrorheologic measurements JOURNAL OF OPTICS. A, PURE AND APPLIED OPTICS 11 3 2009
82. "Salerno, A; Di Maio, E; Iannace, S; Netti, PA" Engineering of foamed structures for biomedical application JOURNAL OF CELLULAR PLASTICS 45 2 2009
83. "Ventre M; Mollica F; Netti PA" The effect of composition and microstructure on the viscoelastic properties of dermis JOURNAL OF BIOMECHANICS 42 4 2009
84. "A. Salerno; D. Guarnieri; M. Iannone; S. Zepetelli; E. Di Maio; S. Iannace; P.A. Netti" Engineered μ -Bimodal Poly(ϵ -caprolactone) Porous Scaffold for Enhanced hMSCs Colonization and Proliferation ACTA BIOMATERIALIA 5 2009
85. "L.A. Sgro; A. Simonelli; L. Pascarella; P. Minutolo; D. Guarnieri; N. Sannolo; P. Netti; Andrea D'Anna" Toxicological Properties of Nanoparticles of Organic Compounds (NOC) from Flames and Vehicle Exhausts ENVIRONMENTAL SCIENCE & TECHNOLOGY 43 7 2009
86. "Biondi M.; Borzacchiello A.; Netti P.A." Isothermal and non-isothermal polymerization of methyl methacrylate in presence of multiple initiators CHEMICAL

- ENGINEERING JOURNAL 162 2 2010
87. "Borselli C; Ungaro F; Oliviero O; d'Angelo I; Quaglia F; La Rotonda MI; Netti PA." Bioactivation of collagen matrices through sustained VEGF release from PLGA microspheres. JOURNAL OF BIOMEDICAL MATERIALS RESEARCH. PART A 92 1 2010
 88. "Sanguigno L.; De Santo I.; Causa F.; Netti P.A." A closed form for fluorescence correlation spectroscopy experiments in submicrometer structures ANALYTICAL CHEMISTRY 82 23 2010
 89. "Orsi S.; De Capua A.; Guarnieri D.; Marasco D.; Netti P.A." Cell recruitment and transfection in gene activated collagen matrix BIOMATERIALS 31 3 2010
 90. "S. Orsi; D. Guarnieri; P.A. Netti" Design of novel 3D gene activated PEG scaffolds with ordered pore structure JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 2010
 91. "Battista E.; Causa F.; Della Moglie R.; Netti P.A." A novel platform for surface investigation of bio-conjugated ligands EUROPEAN CELLS & MATERIALS 20 Suppl 3 2010
 92. "De Santo I.; Causa F.; Netti P." Subdiffusive molecular motion in nanochannels observed by fluorescence correlation spectroscopy ANALYTICAL CHEMISTRY 82 3 2010
 93. "A. Salerno; S. Zeppetelli; E. Di Maio; S. Iannace; P.A. Netti" Novel 3D porous multi-phase composite scaffolds based on PCL, thermoplastic zein and ha prepared via supercritical CO2 foaming for bone regeneration COMPOSITES SCIENCE AND TECHNOLOGY 70 2010
 94. "A. Guaccio; P. A. Netti" Monitoring oxygen uptake in 3D tissue engineering scaffolds by phosphorescence quenching microscopy BIOTECHNOLOGY PROGRESS 26 5 2010
 95. "A. Salerno; D. Guarnieri; M. Iannone; S. Zeppetelli; P.A. Netti" Effect of micro- and macroporosity of bone tissue three-dimensional-poly(epsilon-caprolactone) scaffold on human mesenchymal stem cells invasion, proliferation, and differentiation in vitro TISSUE ENGINEERING, PART A 16 8 2010
 96. "D. Guarnieri; A. De Capua; M. Ventre; A. Borzacchiello; C. Pedone; D. Marasco; M. Ruvo; P. A. Netti" Covalently immobilized RGD gradient on PEG hydrogel scaffold influences cell migration parameters ACTA BIOMATERIALIA 6 7 2010
 97. "C. Palmiero; G. Imparato; F. Urciuolo; P. A. Netti" Engineered dermal equivalent tissue in vitro by assembly of microtissue precursors ACTA BIOMATERIALIA 6 7 2010
 98. "Salerno Aurelio; Oliviero Maria; Di Maio Ernesto; Netti Paolo A.; Rofani Cristina; Colosimo Alessia; Guida Valentina; Dallapiccola Bruno; Palma Paolo; Procaccini Emidio; Berardi Anna C.; Velardi Francesco; Teti Anna; Iannace Salvatore" Design of novel three-phase PCL/TZ-HA biomaterials for use in bone regeneration applications JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 21 9 2010
 99. "Causa F.; Battista E.; Della Moglie R.; Guarnieri D.; Iannone M.; Netti P." Surface Investigation on Biomimetic Materials to Control Cell Adhesion: The Case of RGD Conjugation on PCL LANGMUIR 26 12 2010
 100. "S. Orsi; G. Romeo; D. Guarnieri; P.A. Netti" Particle Shape Effect on Trafficking in Tissue-like Media EUROPEAN CELLS & MATERIALS 20 Suppl 3 2010
 101. "Guarino, V; Guaccio, A; Netti, PA; Ambrosio, L" Image processing and fractal box counting: user-assisted method for multi-scale porous scaffold characterization JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 21 12 2010
 102. "Stefanoni F; Ventre M ; Mollica F; Netti PA" A numerical model for durotaxis JOURNAL OF THEORETICAL BIOLOGY 280 1 2011
 103. "A. Salerno; S. Zeppetelli; E. Di Maio; S. Iannace; P.A. Netti" Processing/Structure/Property Relationship of Multi-Scaled PCL and PCL-HA Composite Scaffolds Prepared via Gas Foaming and NaCl Reverse Templating BIOTECHNOLOGY AND BIOENGINEERING 108 2011
 104. "A. Salerno; S. Zeppetelli; E. Di Maio; S. Iannace; P.A. Netti" Design of bimodal PCL and PCL-HA nanocomposite scaffolds by two step depressurization during solid-state supercritical CO2 foaming MACROMOLECULAR RAPID COMMUNICATIONS 32 15 2011
 105. "R. Tarallo; A. Accardo; A. Falanga; D. Guarnieri; G. Vitiello; P. Netti; G. D'Errico; G. Morelli; S. Galdiero" Clickable functionalization of liposomes with gH625 peptide from Herpes simplex virus type I for intracellular delivery CHEMISTRY-A EUROPEAN JOURNAL 17 45 2011

106. "A. Falanga; M. Vitiello; M. Cantisani; R. Tarallo; D. Guarnieri; E. Mignogna; P. Netti; C. Pedone; M. Galdiero; S. Galdiero" A peptide derived from Herpes Simplex Virus type 1 glycoprotein H: membrane translocation and applications to the delivery of quantum dots NANOMEDICINE 7 6 2011
107. "Guarnieri D.; Guaccio A.; Fusco S.; Netti P.A." Effect of serum proteins on polystyrene nanoparticle uptake and intracellular trafficking in endothelial cells JOURNAL OF NANOPARTICLE RESEARCH 13 9 2011
108. "L Sanguigno; I De Santo; F Causa; PA Netti" Fluorescence correlation spectroscopy in semiahesive wall proximity ANALYTICAL CHEMISTRY 83 21 2011
109. "A. Salerno; E. Di Maio; S. Iannace; P.A. Netti" Solid-State Supercritical CO2 Foaming of PCL and PCL-HA Nano-Composite: Effect of Composition, Thermal History and Foaming Process on Foam Pore Structure THE JOURNAL OF SUPERCRITICAL FLUIDS 58 1 2011
110. "F. Urciuolo; G. Imparato; C. Palmiero; A. Trilli; P. A. Netti." Effect of Process Conditions on the Growth of Three-Dimensional Dermal-Equivalent Tissue Obtained by Microtissue Precursor Assembly TISSUE ENGINEERING, PART C: METHODS 17 2 2011
111. "Gentile, F.; Battista, E.; Accardo, A.; Coluccio, M. L.; Asande, M.; Perozziello, G.; Das, G.; Liberale, C.; De Angelis, F.; Candeloro, P.; Decuzzi, P.; Di Fabrizio, E.; Netti, P. A." Fractal structure can explain the increased hydrophobicity of nanoporous silicon films MICROELECTRONIC ENGINEERING 88 2011
112. "Luciani A; Guarino V; Ambrosio L; Netti PA" Solvent and melting induced microspheres sintering techniques: a comparative study of morphology and mechanical properties JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 22 2011
113. "A. Salerno; E. Di Maio; S. Iannace; P.A. Netti" Tuning the microstructure and biodegradation of three-phase scaffolds for bone regeneration made of PCL, Zein, and HA JOURNAL OF CELLULAR PLASTICS 47 2011
114. "CITTADINI A.; MONTI M.G.; PETRILLO V.; ESPOSITO G.; IMPARATO G.; LUCIANI A.; URCIUOLO F.; BOBBIO E.; NATALE C.F.; SACCA' L.; NETTI P.A." Complementary therapeutic effects of dual delivery of insulin-like growth factor-1 and vascular endothelial growth factor by gelatin microspheres in experimental heart failure. EUROPEAN JOURNAL OF HEART FAILURE 13 12 2011
115. "L. Indolfi; F. Causa; C. Giovino; F. Ungaro; F. Quaglia; P. A. Netti" Microsphere-integrated drug-eluting stents: PLGA microsphere integration in hydrogel coating for local and prolonged delivery of hydrophilic antirestenosis agents JOURNAL OF BIOMEDICAL MATERIALS RESEARCH. PART A 97A 2011
116. "Guaccio A; Guarino V; Perez MA; Cirillo V; Netti PA; Ambrosio L." Influence of electrospun fiber mesh size on hMSC oxygen metabolism in 3D collagen matrices: experimental and theoretical evidences BIOTECHNOLOGY AND BIOENGINEERING 108 8 2011
117. "Diez M; Schulte VA; Stefanoni F; Natale CF; Mollica F; Cesa CM; Chen J; Möller M; Netti PA; Ventre M; Lensen MC" Molding Micropatterns of Elasticity on PEG-Based Hydrogels to Control Cell Adhesion and Migration ADVANCED ENGINEERING MATERIALS 13 10 2011
118. "B. Silvestri; D. Guarnieri; G. Luciani; A. Costantini; P. A. Netti; F. Branda" Fluorescent (rhodamine), folate decorated and doxorubicin charged, PEGylated nanoparticles synthesis JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 23 7 2012
119. "Simone, G; Perozziello, G.; Battista, E.; De Angelis, F.; Candeloro, P.; Gentile, F.; Malara, N.; Manz, A.; Carbone, E.; Netti, P.; Di Fabrizio, E." Cell rolling and adhesion on surfaces in shear flow. A model for an antibody-based microfluidic screening system MICROELECTRONIC ENGINEERING 98 2012
120. "Marika Savarese; Anna Aliberti; Ilaria De Santo; Edmondo Battista; Filippo Causa; Paolo Antonio Netti; Nadia Rega" Fluorescence Lifetimes and Quantum Yields of Rhodamine Derivatives: New Insights from Theory and Experiment JOURNAL OF PHYSICAL CHEMISTRY. A, MOLECULES, SPECTROSCOPY, KINETICS, ENVIRONMENT, & GENERAL THEORY 19 116(28) 2012
121. "A. Salerno; S. Zeppetelli; M. Oliviero; E. Battista; E. Di Maio; S. Iannace; P.A. Netti" Architecture and properties of bi-modal porous scaffolds for bone regeneration prepared via supercritical CO2 foaming and porogen leaching combined process THE JOURNAL OF SUPERCRITICAL FLUIDS 67 2012
122. "Guarino, V; Urciuolo, F; Alvarez-Perez, MA; Mele, B; Netti, PA; Ambrosio, L" Osteogenic differentiation and mineralization in fibre-reinforced tubular scaffolds: theoretical study and experimental evidences JOURNAL OF THE ROYAL SOCIETY

- INTERFACE 9 74 2012
123. "D'Avino G.; Romeo G.; Villone M.M.; Greco F.; Netti P.A.; Maffettone P.L." Single line particle focusing induced by viscoelasticity of the suspending liquid: Theory, experiments and simulations to design a micropipe flow-focuser LAB ON A CHIP 12 9 2012
124. "V. Guarino; A. Guaccio; D. Guarnieri; P.A. Netti; L. Ambrosio" Binary system thermodynamics to control pore architecture of PCL scaffold via temperature-driven phase separation process JOURNAL OF BIOMATERIALS APPLICATIONS 27 3 2012
125. "Ventre M; Causa F; Netti PA" Determinants of cell-material crosstalk at the interface: towards engineering of cell instructive materials JOURNAL OF THE ROYAL SOCIETY INTERFACE 9 74 2012
126. "M. Biondi; S. Fusco; A.L. Lewis; P.A. Netti" New insights into the mechanisms of the interactions between doxorubicin and the ion-exchange hydrogel DC Bead™ for use in transarterial chemoembolization (TACE). JOURNAL OF BIOMATERIALS SCIENCE POLYMER EDITION 23 1-4 2012
127. "A. Salerno; E. Di Maio; S. Iannace; P.A. Netti" Tailoring the pore structure of PCL scaffolds for tissue engineering prepared via gas foaming of multi-phase blends JOURNAL OF POROUS MATERIALS 2012
128. "A Gloria; F Causa; T Russo; E Battista; R Della Moglie; S Zeppetelli; R De Santis R; PA Netti; L Ambrosio" Three-dimensional poly(?-caprolactone) bioactive scaffolds with controlled structural and surface properties BIOMACROMOLECULES 13 11 2012
129. "Pasquale Memmolo; Maria Iannone; Maurizio Ventre; Paolo Antonio Netti; Andrea Finizio; Melania Paturzo; Pietro Ferraro" On the holographic 3D tracking of in vitro cells characterized by a highly-morphological change OPTICS EXPRESS 20 27 2012
130. "A. Salerno; S. Iannace; P.A. Netti" Graded biomimetic osteochondral scaffold prepared via CO2 foaming and micronized NaCl leaching MATERIALS LETTERS 82 2012
131. "Ventre M; Valle F; Bianchi M; Biscarini F; Netti PA" Cell fluidics: producing cellular streams on micropatterned synthetic surfaces LANGMUIR 28 1 2012
132. "L. Verdolotti; A Salerno; R Lamanna; A Nunziata; PA Netti; S Iannace" A novel hybrid PU-alumina flexible foam with superior hydrophilicity and adsorption of carcinogenic compounds from tobacco smoke MICROPOROUS AND MESOPOROUS MATERIALS 2012
133. "Salerno, A; Zeppetelli, S; Oliviero, M; Battista, E; Di Maio, E; Iannace, S; Netti PA" Microstructure, degradation and in vitro MG63 cells interactions of a new poly(?-caprolactone), zein, and hydroxyapatite composite for bone tissue engineering JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS 27 3 2012
134. "I De Santo; L Sanguigno; F Causa; T Monetta; PA Netti" Exploring doxorubicin localization in eluting TiO2 nanotube arrays through fluorescence correlation spectroscopy analysis ANALYST 137 21 2012
135. "Oliviero O; Ventre M; Netti PA" Functional porous hydrogels to study angiogenesis under the effect of controlled release of vascular endothelial growth factor ACTA BIOMATERIALIA 8 9 2012
136. "A. Di Costanzo; Annaelena Troiano; Orsola di Martino; Andrea Cacace; Carlo Natale; M. Ventre; P. Netti; S. Caserta; A. Pollice; G. La Mantia; V. Calabro" The p63 Protein Isoform ?Np63? Modulates Y-box Binding Protein 1 in Its Subcellular Distribution and Regulation of Cell Survival and Motility Genes THE JOURNAL OF BIOLOGICAL CHEMISTRY 287 36 2012
137. "Orsi S.; Guarnieri D.; De Capua A.; P.A. Netti" Gene-activated and cell-migration guiding PEG matrices based on three dimensional patterning of RGD peptides and DNA complexes ACTA BIOMATERIALIA 8 9 2012
138. "Cittadini A.; Napoli R. ; Monti M. G. ; Rea D.; Longobardi S.; Netti P. A.; Walsler M.; Samà M.; Aimaretti G.; Isgaard J.; Saccà L." Metformin prevents the development of chronic heart failure in the SHHF rat model. DIABETES 61 2012
139. "L. Sanguigno; C. Cosenza; F. Causa; P.A. Netti" Accounting for misalignments and thermal fluctuations in fluorescence correlation spectroscopy experiments on membranes ANALYST 138 6 2013
140. "F. Merola; L. Miccio; P. Memmolo; G. Di Caprio; A. Galli; R. Puglisi; D. Balduzzi; G. Coppola; P. Netti; P. Ferraro" Digital holography as a method for 3D imaging and estimating the biovolume of motile cells LAB ON A CHIP 13 23 2013
141. "Smaldone G; Falanga A; Capasso D; Guarnieri D; Correale S; Galdiero M; Netti PA; Zollo M; Galdiero S; Di Gaetano S; Pedone E." gH625 is a viral derived peptide for

- effective delivery of intrinsically disordered proteins. INTERNATIONAL JOURNAL OF NANOMEDICINE 8 2013
142. "AC Manikas ; F Causa ; R Della Moglie; PA Netti" Tuning gold nanoparticles interfaces by specific peptide interaction for surface enhanced Raman spectroscopy (SERS) and separation applications ACS APPLIED MATERIALS & INTERFACES 28 5 2013
143. "F. Causa; R. Della Moglie; E. Iaccino; S. Mimmi; D. Marasco; P.L. Scognamiglio; E. Battista; C. Palmieri; C. Cosenza; L. Sanguigno; I. Quinto; G. Scala; P.A. Netti" Evolutionary screening and adsorption behavior of engineered M13 bacteriophage and derived dodecapeptide for selective decoration of gold interfaces JOURNAL OF COLLOID AND INTERFACE SCIENCE 389 1 2013
144. "D. Guarnieri; A. Falanga; O. Muscetti; R. Tarallo; S. Fusco; M. Galdiero; S. Galdiero; P. A. Netti" Shuttle-Mediated Nanoparticle Delivery to the Blood-Brain Barrier SMALL 9 6 2013
145. "Giuseppina Simone; Paolo A. Netti" Non-spherical gelatin particle in two phases microfluidic system MICROELECTRONIC ENGINEERING 111 2013
146. "I. d'Angelo; O. Oliviero; F. Ungaro; F. Quaglia; P. A. Netti" Engineering strategies to control vascular endothelial growth factor stability and levels in a collagen matrix for angiogenesis: the role of heparin sodium salt and the PLGA-based microsphere approach. ACTA BIOMATERIALIA 9 7 2013
147. "A. Salerno; R. Levato; M.A. Mateos-Timoneda; E. Engel; P.A. Netti; J. A. Planell" Modular polylactic acid microparticle-based scaffolds prepared via microfluidic emulsion/solvent displacement process: Fabrication, characterization, and in vitro mesenchymal stem cells interaction study JOURNAL OF BIOMEDICAL MATERIALS RESEARCH. PART A 101 3 2013
148. "Urciuolo F; Imparato G; Totaro A; Netti PA" Building a tissue in vitro from the bottom up: implications in regenerative medicine METHODIST DEBAKEY CARDIOVASCULAR JOURNAL 9 4 2013
149. "Giorgia Imparato; Francesco Urciuolo; Costantino Casale; Paolo A. Netti" The role of micro scaffold properties in controlling the collagen assembly in 3D dermis equivalent using modular tissue engineering BIOMATERIALS 34 32 2013
150. "Marco Biondi; Sabato Fusco; Andrew L. Lewis; Paolo A. Netti" Investigation of the mechanisms governing doxorubicin and irinotecan release from drug-eluting beads: mathematical modeling and experimental verification JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 24 10 2013
151. "Francesco Del Giudice; Giovanni Romeo; Gaetano D'Avino; Francesco Greco; Paolo A. Netti; Pier Luca Maffettone" Particle alignment in a viscoelastic liquid flowing in a square-shaped microchannel LAB ON A CHIP 13 2013
152. "Giovanni Romeo; Gaetano D'Avino; Francesco Greco; Paolo A. Netti; Pier Luca Maffettone" Viscoelastic flow-focusing in microchannels: scaling properties of the particle radial distributions LAB ON A CHIP 13 14 2013
153. "Biondi M; Guarnieri D; Yu H; Belli V; Netti PA." Sub-100 nm biodegradable nanoparticles: in vitro release features and toxicity testing in 2D and 3D cell cultures. NANOTECHNOLOGY 24 4 2013
154. "E. Pizzo; C. Sarcinelli; J. Sheng; S. Fusco; F. Formigini; P. Netti; W. Yu; G. D'Alessio; G.-f. Hu" Ribonuclease/angiogenin inhibitor 1 regulates stress-induced subcellular localization of angiogenin to control growth and survival JOURNAL OF CELL SCIENCE 126 2013
155. "Marika Savarese; Paolo A. Netti; Carlo Adamo; Nadia Rega; Iaria Ciofini" Exploring the Metric of Excited State Proton Transfer Reactions JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL 117 50 2013
156. "Nicola Gargiulo; Angela Maria Cusano; Filippo Causa; Domenico Caputo; Paolo Antonio Netti" Silver-containing mesoporous bioactive glass with improved antibacterial properties JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 24 2013
157. "N. Gargiulo; I. De Santo; F. Causa; D. Caputo ; P.A. Netti" Confined mesoporous silica membranes for albumin zero-order release MICROPOROUS AND MESOPOROUS MATERIALS 167 2013
158. "Pasquale Memmolo; Maria Iannone; Maurizio Ventre; Paolo Antonio Netti; Andrea Finizio; Melania Paturzo; Pietro Ferraro" Quantitative phase maps denoising of long holographic sequences by using SPADEDH algorithm APPLIED OPTICS 52 2013
159. "Coppola S; Vespini V; Nasti G; Gennari O; Grilli S; Ventre M; Iannone M; Netti PA; Ferraro P" Tethered Pyro-Electrohydrodynamic Spinning for Patterning Well-Ordered

- Structures at Micro- and Nanoscale CHEMISTRY OF MATERIALS 26 11
2014
160. "De Santo, Ilaria; Causa, Filippo; Netti, Paolo A." Temperature driven
macromolecule separation by nanoconfinement MACROMOLECULES 47 24
2014
161. "Vittorio Bianco; Francesco Merola; Lisa Miccio; Pasquale Memmolo; Oriella Gennari;
Melania Paturzo; Paolo Antonio Netti; Pietro Ferraro" Imaging adherent cells in the
microfluidic channel hidden by flowing RBCs as occluding objects by a holographic
method LAB ON A CHIP 14 14 2014
162. "Pasquale Memmolo; Lisa Miccio; Francesco Merola; Oriella Gennari; Paolo Antonio
Netti; Pietro Ferraro" 3D morphometry of red blood cells by digital holography
CYTOMETRY. PART A 85 2014
163. "Miccio L; Memmolo P; Merola F; Fusco S; Embrione V; Paciello A; Ventre M; Netti PA;
Ferraro P" Particle tracking by full-field complex wavefront subtraction in digital
holography microscopy LAB ON A CHIP 14 6 2014
164. "R. Vecchione; S. Coppola; E. Esposito; C. Casale; V. Vespini; S. Grilli; P. Ferraro; PA.
Netti" Electro-drawn Drug-Loaded Biodegradable Polymer Microneedles as a
Viable Route to Hypodermic Injection ADVANCED FUNCTIONAL MATERIALS 24
23 2014
165. "Pasquale Memmolo; Lisa Miccio; Francesco Merola; Antonio Paciello; Valerio
Embrione; Sabato Fusco; Pietro Ferraro; Paolo Antonio Netti" Investigation on
specific solutions of Gerchberg-Saxton algorithm OPTICS AND LASERS IN
ENGINEERING 52 1 2014
166. "Vecchione R; Ciotola U; Sagliano A; Bianchini P; Diaspro A; Netti PA" Tunable
stability of monodisperse secondary O/W nano-emulsions NANOSCALE 6
15 2014
167. "Memmolo P; Bianco V; Paturzo M; Javidi B; Netti PA; Ferraro P" Encoding multiple
holograms for speckle-noise reduction in optical display OPTICS EXPRESS 22
21 2014
168. "Pagano G; Ventre M; Iannone M; Greco F; Maffettone PL; Netti PA" Optimizing
design and fabrication of microfluidic devices for cell cultures: An effective approach to
control cell microenvironment in three dimensions BIOMICROFLUIDICS 8
4 2014
169. "Ortega FJ; Ventre M; Netti PA" Biodegradable Material for the Absorption of
Organic Compounds and Nanoparticles BIOMACROMOLECULES 15 9
2014
170. "Iolanda Fotticchia; Teresa Fotticchia; Carlo Andrea Mattia; Paolo Antonio Netti;
Raffaele Vecchione; Concetta Giancola" Thermodynamic Signature of Secondary
Nano-emulsion Formation by Isothermal Titration Calorimetry LANGMUIR 30
48 2014
171. "Silvia Orsi; Ernesto Di Maio; Salvatore Iannace; Paolo A. Netti" Hollow micro- and
nano-particles by gas foaming NANO RESEARCH 7 7 2014
172. "Dannhauser D; Romeo G; Causa F; De Santo I; Netti PA" Multiplex single particle
analysis in microfluidics ANALYST 139 2014
173. "Marika Savarese; Paolo A. Netti; Nadia Rega; Carlo Adamo; Ilaria Ciofini"
Intermolecular proton shuttling in excited state proton transfer reactions: insights from
theory PHYSICAL CHEMISTRY CHEMICAL PHYSICS 16 2014
174. "Iannone M; Ventre M; Pagano G; Giannoni P; Quarto R; Netti PA" Defining an
optimal stromal derived factor-1 presentation for effective recruitment of mesenchymal
stem cells in 3D BIOTECHNOLOGY AND BIOENGINEERING 111
2014
175. "A. M. Cusano; F. Causa; R. D. Moglie; N. Falco; P. L. Scognamiglio; A. Aliberti; R.
Vecchione; E. Battista; D. Marasco; M. Savarese; U. Raucci; N. Rega; P. A. Netti"
Integration of binding peptide selection and multifunctional particles as tool-box for
capture of soluble proteins in serum JOURNAL OF THE ROYAL SOCIETY
INTERFACE 11 2014
176. "Jain, Rakesh K; Netti, Paolo A." Letter to the editor regarding recent article by Wu
et al. [J. Theor. Biol. 355 (2014) pp. 194-207] JOURNAL OF THEORETICAL
BIOLOGY 363 2014
177. "Anastasios C. Manikas; Giovanni Romeo; Antonio Papa; Paolo A. Netti" Highly
Efficient Surface-Enhanced Raman Scattering Substrate Formulation by Self-Assembled
Gold Nanoparticles Physisorbed on Poly(N-isopropylacrylamide) Thermo-responsive
Hydrogels LANGMUIR 30 13 2014
178. "Pasquale Memmolo; Lisa Miccio; Andrea Finizio; Paolo A. Netti; Pietro Ferraro"
Holographic tracking of living cells by three-dimensional reconstructed complex

- wavefronts alignment OPTICS LETTERS 39 9 2014
179. "Pasquale Memmolo; Melania Paturzo; Bahram Javidi; Paolo A. Netti; Pietro Ferraro"
Refocusing criterion via sparsity measurements in digital holography OPTICS
LETTERS 39 16 2014
180. "Daniela Guarnieri; Stefania Sabella; Ornella Muscetti; Valentina Belli; Maria Ada
Malvindi; Sabato Fusco; Elisa De Luca; Pier Paolo Pompa; Paolo A. Netti" Transport
across the cell-membrane dictates nanoparticle fate and toxicity: a new paradigm in
nanotoxicology NANOSCALE 6 17 2014
181. "Ventre M; Natale CF; Rianna C; Netti PA" Topographic cell instructive patterns to
control cell adhesion, polarization and migration JOURNAL OF THE ROYAL SOCIETY
INTERFACE 11 100 2014
182. "Marika Savarese; Umberto Raucci; Paolo A. Netti; Carlo Adamo; Ilaria Ciofini; Nadia
Rega" Modeling of charge transfer processes to understand photophysical
signatures: The case of Rhodamine 110 CHEMICAL PHYSICS LETTERS 610-
611 2014
183. "Daniela Guarnieri; Maria Ada Malvindi; Valentina Belli; Pier Paolo Pompa; Paolo Netti"
Effect of silica nanoparticles with variable size and surface functionalization on
human endothelial cell viability and angiogenic activity JOURNAL OF
NANOPARTICLE RESEARCH 16 2 2014
184. "Marika Savarese; Umberto Raucci; Carlo Adamo; Paolo A. Netti; Ilaria Ciofini; Nadia
Rega" Non-radiative decay paths in rhodamines: new theoretical insights
PHYSICAL CHEMISTRY CHEMICAL PHYSICS 16 2014
185. "Natale CF; Ventre M; Netti PA" Tuning the material-cytoskeleton crosstalk via
nanoconfinement of focal adhesions BIOMATERIALS 35 9 2014
186. "Ilaria De Santo; Gaetano D'Avino; Giovanni Romeo; Francesco Greco; Paolo A.
Netti; Pier Luca Maffettone" Microfluidic Lagrangian Trap for Brownian Particles: Three-
Dimensional Focusing down to the Nanoscale PHYSICAL REVIEW APPLIED 2
2014
187. "Manikas, A.C; Aliberti, A.; Causa, F.; Battista, E.; Netti, P.A." Thermoresponsive
PNIPAAm hydrogel scaffolds with encapsulated AuNPs show high analyte-trapping
ability and tailored plasmonic properties for high sensing efficiency JOURNAL OF
MATERIALS CHEMISTRY. B 3 1 2014
188. "A. PARRILLI; S. PAGANI; M.C. MALTARELLO; S. SANTI; A. SALERNO; P.A. NETTI;
R. GIARDINO; L. RIMONDINI; M. FINI" Three-dimensional cellular distribution in
polymeric scaffolds for bone regeneration: a microCT analysis compared to SEM, CLSM
and DNA content JOURNAL OF MICROSCOPY 255 1 2014
189. "Francesco Del Giudice; Gaetano D'Avino; Francesco Greco; Ilaria De Santo; Paolo A.
Netti; Pier Luca Maffettone" Rheometry-on-a-chip: measuring the relaxation time of a
viscoelastic liquid through particle migration in microchannel flows LAB ON A
CHIP 15 2015
190. "Jakhmola, Anshuman; Vecchione, Raffaele; Guarnieri, Daniela; Belli, Valentina;
Calabria, Dominic; Netti, Paolo A." Bioinspired Oil Core/Silica Shell Nanocarriers with
Tunable and Multimodal Functionalities ADVANCED HEALTHCARE
MATERIALS 4 17 2015
191. "Colosimo, Alessia; Rofani, Cristina; Ciraci, Elisa; Salerno, Aurelio; Oliviero, Maria; Di
Maio, Ernesto; Iannace, Salvatore; Netti, Paolo A; Velardi, Francesco; Berardi, Anna C"
Osteogenic differentiation of CD271(+) cells from rabbit bone marrow cultured on
three phase PCL/TZ-HA bioactive scaffolds: comparative study with mesenchymal stem
cells (MSCs) INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL
MEDICINE 8 8 2015
192. "De Alteriis, Renato; Vecchione, Raffaele; Attanasio, Chiara; De Gregorio, Maria; Porzio,
Massimiliano; Battista, Edmondo; Netti, Paolo A." A method to tune the shape of
protein-encapsulated polymeric microspheres SCIENTIFIC REPORTS 5
2015
193. "Ruggiero, Flavia; Netti, Paolo Antonio; Torino, Enza" Experimental Investigation and
Thermodynamic Assessment of Phase Equilibria in the PLLA/Dioxane/Water Ternary
System for Applications in the Biomedical Field LANGMUIR 31 47 2015
194. "Maurizio Ventre; Filippo Causa; Paolo A. Netti; Riccardo Pietrabissa" Research in
Biomaterials and Tissue Engineering: Achievements and perspectives. IEEE PULSE
6 4 2015
195. "Totaro, Alessandra; Salerno, Aurelio; Imparato, Giorgia; Domingo, Concepción;
Urciuolo, Francesco; Netti, Paolo Antonio" PCL-HA microscaffolds for in vitro
modular bone tissue engineering JOURNAL OF TISSUE ENGINEERING AND
REGENERATIVE MEDICINE 2015
196. "Cosentino, Armando; Madadi, Hojjat; Vergara, Paola; Vecchione, Raffaele; Causa,

- Filippo; Netti, Paolo Antonio" An efficient planar accordion-shaped micromixer: From biochemical mixing to biological application SCIENTIFIC REPORTS 5 2015
197. "Del Giudice, Francesco; D'Avino, Gaetano; Greco, Francesco; Netti, Paolo A.; Maffettone, Pier Luca" Effect of fluid rheology on particle migration in a square-shaped microchannel MICROFLUIDICS AND NANOFUIDICS 19 1 2015
198. "Dannhauser, D.; Rossi, D.; Causa, F.; Memmolo, P.; Finizio, A.; Wriedt, T.; Hellmers, J.; Eremin, Y.; Ferraro, P.; Netti, P. A." Optical signature of erythrocytes by light scattering in microfluidic flows LAB ON A CHIP 15 16 2015
199. "Fiorentino I.; Gualtieri R.; Barbato V.; Mollo V.; Braun S.; Angrisani A.; Turano M.; Furia M.; Netti P.; Guarnieri D.; Fusco S.; Talevi R." Energy Independent Uptake and Release of Polystyrene Nanoparticles in Primary Mammalian Cell Cultures EXPERIMENTAL CELL RESEARCH 330 2 2015
200. "Miccio, L.; Memmolo, P.; Merola, F.; Netti, P.A.; Ferraro, P." Red blood cell as an adaptive optofluidic microlens NATURE COMMUNICATIONS 6 2015
201. "Causa, Filippo; Aliberti, Anna; Cusano, Angela M; Battista, Edmondo; Netti, Paolo A" Supramolecular spectrally encoded microgels with double strand probes for absolute and direct miRNA fluorescence detection at high sensitivity JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 137 5 2015
202. "Manikas, Anastasios C.; Papa, Antonio; Causa, Filippo; Romeo, Giovanni; Netti, Paolo A." Bimetallic Au/Ag nanoparticle loading on PNIPAAm-VAA-CS8 thermoresponsive hydrogel surfaces using ss-DNA coupling, and their SERS efficiency RSC ADVANCES 5 18 2015
203. "F. Del Giudice; H. Madadi; M. M. Villone; G. D'Avino; A. Cusano; R. Vecchione; M. Ventre; P. L. Maffettone; P. A. Netti" Magnetophoresis 'meets' viscoelasticity: Deterministic separation of magnetic particles in a modular microfluidic device LAB ON A CHIP 15 8 2015
204. "F. S. Gentile; I. De Santo; G. D'Avino; L. Rossi; G. Romeo; F. Greco; P. A. Netti; P. L. Maffettone" Hindered Brownian diffusion in a square-shaped geometry JOURNAL OF COLLOID AND INTERFACE SCIENCE 447 2015
205. "Monti DM; Guarnieri D; Napolitano G; Piccoli R; Netti P; Fusco S; Arciello A" Biocompatibility, uptake and endocytosis pathways of polystyrene nanoparticles in primary human renal epithelial cells JOURNAL OF BIOTECHNOLOGY 193 2015
206. "Tussellino, Margherita; Ronca, Raffaele; Formiggini, Fabio; Marco, Nadia De; Fusco, Sabato; Netti, Paolo Antonio; Carotenuto, Rosa" Polystyrene nanoparticles affect *Xenopus laevis* development JOURNAL OF NANOPARTICLE RESEARCH 17 2 2015
207. "Imparato, G; Urciuolo, F.; Netti, P.A." In vitro three-dimensional models in cancer research: A review INTERNATIONAL MATERIALS REVIEWS 60 6 2015
208. "Fusco, Sabato; Panzetta, Valeria; Embrione, Valerio; Netti, Paolo A." Crosstalk between focal adhesions and material mechanical properties governs cell mechanics and functions ACTA BIOMATERIALIA 23 2015
209. "Cantisani, Marco; Guarnieri, Daniela; Biondi, Marco; Belli, Valentina; Profeta, Martina; Raiola, Luca; Netti, Paolo A." Biocompatible nanoparticles sensing the matrix metalloproteinase 2 for the on-demand release of anticancer drugs in 3D tumor spheroids COLLOIDS AND SURFACES. B, BIOINTERFACES 135 2015
210. "Das, Gobind; Battista, Edmondo; Manzo, Gianluigi; Causa, Filippo; Netti, Paolo Antonio; Di Fabrizio, Enzo" Large-Scale Plasmonic nanoCones Array For Spectroscopy Detection ACS APPLIED MATERIALS & INTERFACES 7 42 2015
211. "Iannone M; Ventre M; Formisano L; Casalino L; Patriarca EJ; Netti PA." Nanoengineered surfaces for focal adhesion guidance trigger mesenchymal stem cell self-organization and tenogenesis NANO LETTERS 15 3 2015
212. "Vaselli, Elisa; Fedele, Chiara; Cavalli, Silvia; Netti, Paolo A." "On-Off" RGD Signaling Using Azobenzene Photoswitch-Modified Surfaces" CHEMPLUSCHEM 80 10 2015
213. "Guarnieri, D; Muscetti, O; Falanga, A; Fusco, S; Belli, V; Perillo, E; Battista, E; Panzetta, V; Galdiero, S; Netti, P A" Surface decoration with gH625-membranotropic peptides as a method to escape the endo-lysosomal compartment and reduce nanoparticle toxicity NANOTECHNOLOGY 26 41 2015
214. "Panzetta, Valeria; DE MENNA, Marta; Bucci, Debora; Giovannini, Vittoria; Pugliese, Mariagabriella; Quarto, Maria; Fusco, Sabato; Netti, Paolo" X-RAY IRRADIATION AFFECTS MORPHOLOGY, PROLIFERATION AND MIGRATION RATE OF HEALTHY AND CANCER CELLS JOURNAL OF MECHANICS IN MEDICINE AND

- BIOLOGY 15 2 2015
215. "Tassieri, Manlio; Del Giudice, Francesco; Robertson, Emma J.; Jain, Neena; Fries, Bettina; Wilson, Rab; Glidle, Andrew; Greco, Francesco; Netti, Paolo Antonio; Maffettone, Pier Luca; Bicanic, Tihana; Cooper, Jonathan M." Microrheology with optical tweezers: Measuring the relative viscosity of solutions 'at a glance' SCIENTIFIC REPORTS 5 2015
 216. "Carmela Rianna ; Alejandro Calabuig ; Maurizio Ventre ; Silvia Cavalli ; Vito Pagliarulo ; Simonetta Grilli ; Pietro Ferraro ; Paolo Antonio Netti" Reversible holographic patterns on azopolymers for guiding cell adhesion and orientation ACS APPLIED MATERIALS & INTERFACES 7 31 2015
 217. "Daniela Guarnieri;Marco Biondi;Hui Yu;Valentina Belli;Andrea P. Falanga;Marco Cantisani;Stefania Galdiero;Paolo A. Netti" Tumor-activated prodrug (TAP) - conjugated nanoparticles with cleavable domains for safe doxorubicin delivery BIOTECHNOLOGY AND BIOENGINEERING 112 3 2015
 218. "Memmolo, Pasquale; Miccio, Lisa; Paturzo, Melania; Di Caprio, Giuseppe; Coppola, Giuseppe; Netti, Paolo A.; Ferraro, Pietro" Recent advances in holographic 3D particle tracking ADVANCES IN OPTICS AND PHOTONICS 7 4 2015
 219. "Carmela Rianna;Maurizio Ventre;Silvia Cavalli;Manfred Radmacher;Paolo Antonio Netti" Micropatterned Azopolymer Surfaces Modulate Cell Mechanics and Cytoskeleton Structure ACS APPLIED MATERIALS & INTERFACES 7 38 2015
 220. "Battista, Edmondo; Causa, Filippo; Lettera, Vincenzo; Panzetta, Valeria; Guarnieri, Daniela; Fusco, Sabato; Gentile, Francesco; Netti, Paolo A" Ligand engagement on material surfaces is discriminated by cell mechanosensing BIOMATERIALS 45 2015
 221. "Del Giudice, Francesco; Greco, Francesco; Netti, Paolo Antonio; Maffettone, Pier Luca" Is microrheometry affected by channel deformation? BIOMICROFLUIDICS 10 4 2016
 222. "Belli, Valentina; Guarnieri, Daniela; Biondi, Marco; della Sala, Francesca; Netti, Paolo A." Dynamics of nanoparticle diffusion and uptake in three-dimensional cell cultures COLLOIDS AND SURFACES. B, BIOINTERFACES 149 2016
 223. "Trofa, Marco; Villone, Massimiliano Maria; D'Avino, Gaetano; Hulsen, Martien A.; Netti, Paolo Antonio; Maffettone, Pier Luca" Numerical simulations of the separation of elastic particles in a T-shaped bifurcation JOURNAL OF NON-NEWTONIAN FLUID MECHANICS 233 2016
 224. "Aliberti, A.; Cusano, A. M.; Battista, E.; Causa, F.; Netti, P. A." High sensitive and direct fluorescence detection of single viral DNA sequences by integration of double strand probes onto microgels particles ANALYST 141 4 2016
 225. "Cosenza, Chiara; Lettera, Vincenzo; Causa, Filippo; Scognamiglio, Pasqualina Liana; Battista, Edmondo; Netti, Paolo Antonio" Cell mechanosensory recognizes ligand compliance at biomaterial interface BIOMATERIALS 76 2016
 226. "Garziano A; Urciuolo F; Imparato G; Martorina F; Corrado B; Netti P." A micro-perfusion bioreactor for on line investigation of ECM remodeling under hydrodynamic and biochemical stimulation LAB ON A CHIP 16 5 2016
 227. "Dannhauser, David; Causa, Filippo; Battista, Edmondo; Cusano, Angela M; Rossi, Domenico; Netti, Paolo A" In-flow real-time detection of spectrally encoded microgels for miRNA absolute quantification BIOMICROFLUIDICS 10 6 2016
 228. "Contaldi, V.; Imperato, L.; Orsi, S.; Di Maio, E.; Netti, P. A.; Iannace, S." Morphology Modulation of Gas Foamed Micrometric Polystyrene Hollow Particles JOURNAL OF APPLIED POLYMER SCIENCE 133 2016
 229. "Rianna, Carmela; Rossano, Lucia; Kollarigowda, Ravichandran H.; Formiggini, Fabio; Cavalli, Silvia; Ventre, Maurizio; Netti, Paolo A." Spatio-Temporal Control of Dynamic Topographic Patterns on Azopolymers for Cell Culture Applications ADVANCED FUNCTIONAL MATERIALS 2016
 230. "Fusco, Sabato; Memmolo, Pasquale; Miccio, Lisa; Merola, Francesco; Mugnano, Martina; Paciello, Antonio; Ferraro, Pietro; Netti, Paolo A." Nanomechanics of a fibroblast suspended using point-like anchors reveal cytoskeleton formation RSC ADVANCES 6 29 2016
 231. "Battista, Edmondo; Mazzarotta, Alessia; Causa, Filippo; Cusano, Angela Maria; Netti, Paolo Antonio" Core-shell microgels with controlled structural properties POLYMER INTERNATIONAL 65 7 2016
 232. "Casale, Costantino; Imparato, Giorgia; Urciuolo, Francesco; Netti, Paolo A." Endogenous human skin equivalent promotes in vitro morphogenesis of follicle-like structures BIOMATERIALS 101 2016
 233. "Contaldi, Vincenzo; Pastore Carbone, Maria Giovanna; Di Maio, Ernesto; Manikas,

- Anastasios C.; Netti, Paolo Antonio" Easy-to-fill asymmetric polymeric micro-reservoirs
RSC ADVANCES 6 68 2016
234. "Vecchione, Raffaele; Iaccarino, Giulia; Bianchini, Paolo; Marotta, Roberto; D'Autilia, Francesca; Quagliariello, Vincenzo; Diaspro, Alberto; Netti, Paolo A." Ultrastable Liquid-Liquid Interface as Viable Route for Controlled Deposition of Biodegradable Polymer Nanocapsules SMALL 12 22 2016
235. "Dannhauser, David; Rossi, Domenico; Memmolo, Pasquale; Causa, Filippo; Finizio, Andrea; Ferraro, Pietro; Netti, Paolo A." Label-free analysis of mononuclear human blood cells in microfluidic flow by coherent imaging tools JOURNAL OF BIOPHOTONICS 2016
236. "Rossi, L.; Attanasio, C.; Vilardi, E.; De Gregorio, M.; Netti, P.A." Vasculogenic potential evaluation of bottom-up, PCL scaffolds guiding early angiogenesis in tissue regeneration JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE 27 6 2016
237. "Kollarigowda, RH; De Santo, I; Rianna, C; Fedele, C; Manikas, AC; Cavalli, S; Netti, PA" Shedding light on azopolymer brush dynamics by fluorescence correlation spectroscopy SOFT MATTER 12 34 2016
238. "Attanasio, Chiara; Latancia, Marcela T.; Otterbein, Leo E.; Netti, Paolo A." Update on Renal Replacement Therapy: Implantable Artificial Devices and Bioengineered Organs TISSUE ENGINEERING, PART B: REVIEWS 22 4 2016
239. "Calcagno, Vincenzo; Vecchione, Raffaele; Sagliano, Angela; Carella, Antonio; Guarnieri, Daniela; Belli, Valentina; Raiola, Luca; Roviello, Antonio; Netti, Paolo A." Biostability enhancement of oil core - polysaccharide multilayer shell via photoinitiator free thiol-ene 'click' reaction COLLOIDS AND SURFACES. B, BIOINTERFACES 142 2016
240. "Ventre, Maurizio; Netti, Paolo A" Engineering Cell Instructive Materials To Control Cell Fate and Functions through Material Cues and Surface Patterning ACS APPLIED MATERIALS & INTERFACES 8 24 2016
241. "Putzu, M; Causa, F; Nele, V; de Torre, I González; Rodriguez-Cabello, J C; Netti, P A" Elastin-like-recombinamers multilayered nanofibrous scaffolds for cardiovascular applications BIOFABRICATION 8 4 2016
242. "Esposito, Eliana; Ruggiero, Flavia; Vecchione, Raffaele; Netti, Paolo Antonio" Room temperature consolidation of a porous poly(lactic-co-glycolic acid) matrix by the addition of maltose to the water-in-oil emulsion MATERIALS 9 6 2016
243. "Vecchione, Raffaele; Quagliariello, Vincenzo; Calabria, Dominic; Calcagno, Vincenzo; De Luca, Elisa; Iaffaioli, Rosario V.; Netti, Paolo A." Curcumin bioavailability from oil in water nano-emulsions: In vitro and in vivo study on the dimensional, compositional and interactional dependence JOURNAL OF CONTROLLED RELEASE 233 2016
244. "Vecchione, Raffaele; Pitingolo, Gabriele; Falanga, Andrea P.; Guarnieri, Daniela; Netti, Paolo A." Confined Gelatin Dehydration as a Viable Route to Go beyond Micromilling Resolution and Miniaturize Biological Assays ACS APPLIED MATERIALS & INTERFACES 8 19 2016
245. "Savarese, Marika; Raucci, Umberto; Netti, Paolo Antonio; Adamo, Carlo; Rega, Nadia; Ciofini, Ilaria" A qualitative model to identify non-radiative decay channels: the spiroxan as case study THEORETICAL CHEMISTRY ACCOUNTS 135 9 2016
246. "Imparato, G.; Casale, C.; Scamardella, S.; Urciuolo, F; Bimonte, M.; Apone, F.; Colucci, G.; Netti, P.A." A novel engineered dermis for in vitro photodamage research JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE 2016
247. "Vecchione, Raffaele; Luciani, Giuseppina; Calcagno, Vincenzo; Jakhmola, Anshuman; Silvestri, Brigida; Guarnieri, Daniela; Belli, Valentina; Costantini, Aniello; Netti, Paolo A." Multilayered silica-biopolymer nanocapsules with a hydrophobic core and a hydrophilic tunable shell thickness NANOSCALE 8 16 2016
248. "Urciuolo, F.; Garziano, A.; Imparato, G.; Panzetta, V.; Fusco, S.; Casale, C.; Netti, P.A." Biophysical properties of dermal building-blocks affect extra cellular matrix assembly in 3D endogenous macrotissue BIOFABRICATION 8 1 2016
249. "Fotticchia, Iolanda; Guarnieri, Daniela; Fotticchia, Teresa; Falanga, Andrea Patrizia; Vecchione, Raffaele; Giancola, Concetta; Netti, Paolo Antonio" Energetics of ligand-receptor binding affinity on endothelial cells: An in vitro model COLLOIDS AND SURFACES. B, BIOINTERFACES 144 2016
250. "Ventre, Maurizio; Netti, Paolo" Controlling Cell Functions and Fate with Surfaces and Hydrogels: The Role of Material Features in Cell Adhesion and Signal Transduction

- GELS 2 1 2016
251. "Celetti, Giorgia; Natale, Concetta Di; Causa, Filippo; Battista, Edmondo; Netti, Paolo A." Functionalized poly(ethylene glycol) diacrylate microgels by microfluidics: In situ peptide encapsulation for in serum selective protein detection COLLOIDS AND SURFACES. B, BIOINTERFACES 145 2016
252. "Ventre, Maurizio; Netti, Paolo A." Nanoengineered materials to control cell fate NANOMEDICINE 11 9 2016
253. "Panzetta, Valeria; De Menna, Marta; Musella, Ida; Pugliese, Mariagabriella; Quarto, Maria; Netti, Paolo A.; Fusco, Sabato" X-rays effects on cytoskeleton mechanics of healthy and tumor cells CYTOSKELETON 2016
254. "Battista, Edmondo; Lettera, Vincenzo; Villani, Marco; Calestani, Davide; Gentile, Francesco; Netti, Paolo Antonio; Iannotta, Salvatore; Zappettini, Andrea; Coppedè, Nicola" Enzymatic sensing with laccase-functionalized textile organic biosensors ORGANIC ELECTRONICS 40 2017
255. "Del Giudice, Francesco; Calcagno, Vincenzo; Esposito Taliento, Valeria; Greco, Francesco; Netti, Paolo Antonio; Maffettone, Pier Luca" Relaxation time of polyelectrolyte solutions: When ?-rheometry steps in charge JOURNAL OF RHEOLOGY 61 1 2017
256. "Battista, Edmondo; Coluccio, Maria Laura; Alabastri, Alessandro; Barberio, Marianna; Causa, Filippo; Netti, Paolo Antonio; Di Fabrizio, Enzo; Gentile, Francesco" Metal enhanced fluorescence on super-hydrophobic clusters of gold nanoparticles MICROELECTRONIC ENGINEERING 175 2017
257. "Brancato, Virginia; Ventre, Maurizio; Imparato, Giorgia; Urciuolo, Francesco; Meo, Concetta; Netti, Paolo A" A straightforward method to produce decellularized dermis-based matrices for tumour cell cultures JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE 2017
258. "Panzetta, V.; Musellav, I.; Pugliese, M.; Piccolo, C.; Pasqua, G.; Netti, P.A.; Fusco, S." Effects of high energy X-rays on cell morphology and functions IEEE Xplore Digital Library 2017

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- 1C. L. Ambrosio, P.A. Netti, L. Nicolais, "I Nuovi Materiali per Applicazioni Biomediche", da *Il Corpo Umano tra Natura e Progetto*, a cura di Giovanni Maria Pace, casa editrice CUEN, Napoli, 1993.
- 2C. L. Ambrosio, S. Iannace, M. Mensitieri, P.A. Netti, "Structural Materials for Biomedical Applications", da *Moving Forward with 50 years of Leadership in Advanced Materials*, Editore da K. Drake, J. Bauer, T. Serafini, P. Cheng, SAMPE, 1994. ISBN 0-8B, 938994-69-7, 979.
- 3C. A. Borzacchiello, P.A. Netti, L. Ambrosio, L. Nicolais, "Hyaluronic acid derivatives mimic the rheological properties of vitreous body", in *Redefining Hyaluronan*, Editore da G. Abatangelo and PH. Weigel, Elsevier Science, 2000. ISBN: 0-444-50357-9.
- 4C. L. Ambrosio, P.A. Netti, B. Santaniello, L. Nicolais, "Composite Materials as Scaffolds for Tissue Engineering", *Biomedical Polymers and Polymer Therapeutics*, Editore da E. Chiellini et al., Kluwer Academic Publishers/Plenum Publisher, New York 2001. ISBN 0-306-46472-1.
- 5C. P.A. Netti, L. Ambrosio, L. Nicolais, "Thermodynamics of Water Sorption in Hyaluronic Acid and its Derivatives", in *Polymeric Drugs & Drug Delivery Systems*, Editore da R. Ottenbrite and S. Wan Kim, CRC Press, Boca Raton, 2000. ISBN 1-56676-956-6.
- 6C. L. Ambrosio, P.A. Netti, P.A. Revell, "Tissues", in R. Barbucci (Eds) *Integrated Biomaterial Science*, Kluwer Academic/Plenum Publisher, New York, 2002. ISBN: 0-306-46678-3.
- 7C. P.A. Netti, L. Ambrosio, "Articular Cartilage", in R. Barbucci (Eds) *Integrated Biomaterial Science*, Kluwer Academic/Plenum Publisher, New York, 2002. ISBN: 0-306-46678-3.
- 8C. P.A. Netti, R.K. Jain, "Interstitial transport in solid tumors" *In Cancer Modeling* edited by L. Preziosi, CRC Press, Boca Raton, 2003. ISBN: 1-58488-361-8.
- 9C. A. Borzacchiello, L. Ambrosio, P.A. Netti, L. Nicolais, "Rheology of biological fluids and their substitutes", in *Tissue Engineering and Novel Delivery Systems*, Editore da M.J. Yaszemski, D. J. Trantolo, K.U. Lewandrowski, V. Hasirci, D.E. Altobelli, D. L. Wise, Marcel Dekker Inc., New York, 2004. ISBN: 0-8247-4786-0.
- 10C. M. Pennacchi, I. Armentano, S. Zeppetelli, L. Lanzardo, J.M. Kenny, P.A. Netti, "Effects of material surface nanopatterning on cell morphology and orientation" in *Advances in micro- and nanoengineering* Editore da I. Kleps, D. Dascalu, J. Kenny, Editura Academice Romane, Bucarest, 2004. ISBN: 973-27-1110-8.
- 11C. F. Ungaro, M. Biondi, L. Indolfi, G. De Rosa, M.I. La Rotonda, F. Quaglia, P.A. Netti, "Bioactivated Polymer Scaffolds for Tissue Engineering", in *Topics in Tissue Engineering 2004*, Eds. Ashammakhi and Reis, www.oulu.fi/spareparts/ebook_topics_in_t_e_vol2.
- 12C. C. Indolfi, L. Indolfi, P.A. Netti, "Le nanotecnologie e la proteomica nell'approccio futuro allo

- scompenso cardiaco", in *Lo scompenso cardiaco dai meccanismi molecolari al razionale delle nuove strategie di approccio clinico-terapeutico*, Critical Medicine Publishing, 2004, ISBN 88-88415-15-7.
- 13C. L. Ambrosio, F. Causa, P.A. Netti, "Scaffolds polimerici e compositi per la rigenerazione dell'osso", in *Applicazioni Cliniche della Ricerca Ortopedica*, Edito da N. Baldini e A. Giunti, Edizioni CLUEB, 2004. ISBN: 88-491-2344-2.
- 14C. C. Borselli, D. Guamieri, S. Battista, O. Oliviero, P.A. Netti, L. Ambrosio "Ruolo dell'interazione cellula-materiale sul controllo delle funzioni cellulari", in *Biomateriali: dagli impianti protesici alla medicina rigenerativa* Edito da A. Cigada, R. Contro, C. Di Bello, M.C. Tanzi, Patron Editore, 2005. ISBN: 88-555-2836-X.
- 15C. R. De Santis, L. Ambrosio, F. Mollica, P.A. Netti, L. Nicolais, "Mechanical Properties of Human Mineralized Connective Tissues", in *Modeling of Biological Materials* Edito da F. Mollica, L. Preziosi, K.R. Rajagopal Birkhauser Boston, 2007. ISBN-10:0-8176-4410-5.
- 16C. M. Ventre, F. Urciuolo, P.A. Netti, L. Ambrosio, "Soft tissues characteristics and strategies for their replacement and regeneration", In M. Santin (ed) *Biomedical Strategies in Regenerative Medicine: from Basic Science to Technology*. Springer-Verlag, XVIII, 506, 112, 2009.
- 17C. M. Purbrick, L. Ambrosio, M. Ventre, P.A. Netti, "Natural composites: structure-property relationships in bone, cartilage, ligaments and tendons". In: L. Ambrosio. *Biomedical Composites*. p. 3-24, Rod Martin CRC Press Woodhead Publishing Limited, 2009, ISBN: 9781845694364.
- 18C. P.A. Netti, D. Guamieri, "Role of Spatial Distribution of Matricellular Cues in Controlling Cell Functions", in *Advances in Regenerative Medicine: Role of Nanotechnology, and Engineering Principles NATO Science for Peace and Security Series A: Chemistry and Biology*, 207-232, 2010.
- 19C. P.A. Netti, L. Ambrosio, "Multifunctional Polymer Based Structures for Human Tissues Reconstruction", in L. Nicolais (Ed) *Composite Materials*, Springer-Verlag London Limited, London, 2011
- 20C. F. Urciuolo, G. Imparato, A. Guaccio, B. Mele, P.A. Netti, "Novel strategies to engineering biological tissue in vitro. *Methods in molecular biology*", (Clifton, N.J.), 811, 223-44, 2012.
- 21C. M. Causà, M. D'Amore, C. Garzillo, F. Gentile, A. Savin, P.A. Netti, "The bond analysis techniques (ELF and Maximum Probability Domains) application to a Family of Models Relevant to Bio-Inorganic Chemistry", in: *Applications of Density Functional Theory to Biological and Bioinorganic Chemistry, Series: Structure and Bonding*, Vol. 150, Putz, Mihai V.; Mingos, D. Michael P. (Eds.) 2013, 2013, VIII, 288 p. 69 illus., 47 in color.
- 23C. P.A. Netti, A. Sannino et al., "Regenerative medicine applications in organ transplantation, Aaron Goldstein, Giuseppe Orlando, Jan Lerut, Shay Soker & Robert J. Stratta, ISBN 978-0-12-398523-1, 2013.

BREVETTI

- 1B. L. Nicolais, L. Ambrosio, P.A. Netti, L. Callegaro, "Use of hydrogels to fix bone replacement", European Patent # EP0642363; US Patent # 5,645,592, 1997
- 2B. P.A. Netti, R.K. Jain, "Method of enhancing delivery of a pharmaceutical formulation", US Pat# 5.888.530, 1999
- 3B. G. Helmlinger, P.A. Netti, R.J. Melder, R.K. Jain, "Modulation of multicellular aggregates by solid stress", US Pat# 6,368,858 B1, 2002.
- 4B. A. Sannino, P.A. Netti, L. Nicolais, "Idrogeli polimerici a porosità controllata", 3868PTIT RM2003A000321, 26.06.2003.
- 5B. F. Brugnoli, I. Ioannidis, P.A. Netti, A. Trilli, C. Palmiero, "Bioengineered Tissue of Animal Origin suitable for use as Leather Substitute", European patent application No. 07 120 969.6
- 6B. P.A. Netti, G. Imparato, F. Urciuolo, "In Vitro Bioengineered Animal Tissue Fiber And Its Use In The Textile Industry", Pubblicato il 05.05.2011 Patent No. WO/2011/051983 PCT/IT2009/000488
- 7B. F. Causa, E. Battista, A. Aliberti, A.M. Cusano, P.A. Netti, "Microparticella multistrato comprendente fluofores", 736-12 IIT.
- 8B. F. Causa, E. Battista, A. Aliberti, A.M. Cusano, P.A. Netti, "Sistema di sonde per rivelare una sequenza nucleotidica bersaglio a singolo filamento", 643-12 IIT.
- 8B. R. Vecchione, U. Ciotola, A. Sagliano, P.A. Netti, "Metodo per l'ottenimento di nanoemulsioni ultrastabili", Ref. TO2012A000673
- 9B. F. Porro, A. Scognamiglio, R. Vecchione, V. Casuscelli, A. di Matteo, L.G. Occhipinti, P.A. Netti, "METHODS AND A MOULD ASSEMBLY FOR FABRICATING POLYMER STRUCTURES BY IMPRINT TECHNIQUES" Ref. PA82949IT.
- 10B. P. Ferraro, S. Coppola, A. Finizio, S. Grilli, V. Vespini, P.A. Netti, R. Vecchione, E. Esposito, "Metodo per la produzione di una schiera di micro-aggi", Ref. IO151772
- 11B. Enza TORINO, Paolo Antonio NETTI Un Processo Di Preparazione Di Nanoparticelle Utili Come Agenti Di Contrasto Nella Risonanza Magnetica Per Immagini Application 102015000078895
- 12B. Giorgia Imparato, Costantino Casale, Francesco Urciuolo, Paolo Antonio Netti, Sara Scamardella. METHOD FOR PRODUCING A TOTALLY ENDOGENOUS BIOENGINEERED TISSUE AND TISSUE OBTAINED THEREBY WO2015166455

13B. R. Vecchione, R. De Alteris, P. A. Netti. Method to prepare shaped polymer microparticles. Ref. TO2013A000294 (IT Patent).

Proceedings di congressi internazionali pubblicati in esteso

- 1E. A. D'Amore, A. Pompo, P.A. Netti, E. Masi, L. Nicolais, "Nonlinear viscoelastic behavior of poly(ether ether ketone) (PEEK) and PEEK-based composites", Proceedings of the American Society for Composites, Technical Conference, 6th 221-233, 1991.
- 2E. L. Ambrosio, S. Iannace, M. Mensitieri, P.A. Netti, L. Nicolais, "Structural materials for biomedical applications", International SAMPE Symposium and Exhibition, 39 (Moving Forward with 50 Years of Leadership), 979-88, 1994.
- 3E. F. Barbato, A. Boccia, B. Cappello, M.I. La Rotonda, M.A. Del Nobile, G. Mensitieri, P.A. Netti, "Transport of model molecules through hydrogels: dependence of diffusivity on molecular weight", Proceedings of the International Symposium on Controlled Release of Bioactive Materials, 23, 463-464, CODEN: PCRMEY ISSN: 1022-0178, 1996.
- 4E. L. Ambrosio, A. Borzacchiello, P.A. Netti, L. Nicolais, "Rheological properties of hyaluronic acid based solutions", Book of Abstracts, 216th ACS National Meeting, Boston, agosto 23-27, 1998.
- 5E. P.A. Netti, L. Ambrosio, M.A. Del Nobile, G. Mensitieri, L. Nicolais, "Thermodynamics and sorption kinetics of hyaluronic acid and its derivatives", Polymer Preprints (American Chemical Society, Division of Polymer Chemistry), 39(2), 210-211, 1998.
- 6E. P.A. Netti, G. Manganelli, G. Micco, S. Carra, L. Nicolais, "Steric and electrostatic stabilization of concentrated suspensions", Editor(s): Binding, David M. Proceedings of the International Congress on Rheology, 13th, Cambridge, United Kingdom, Aug. 20-25, 2000 - 4, 184-186 Publisher: British Society of Rheology, Glasgow, UK, 2001.
- 8E. P.A. Netti, "Movement of macromolecules, particles, and cells in hydrogels", Polymer Preprints (American Chemical Society, Division of Polymer Chemistry), 41(1), 696-697, 2000.
- 9E. A. Borzacchiello, P.A. Netti, L. Ambrosio, L. Nicolais, "Viscoelastic properties of vitreous body: Role of hyaluronic acid", Editor(s): Binding, David M. Proceedings of the International Congress on Rheology, 13th, Cambridge, United Kingdom, Aug. 20-25, 2000 - 4 365-367 Publisher: British Society of Rheology, Glasgow, UK, 2001.
- 10E.A. Borzacchiello, L. Ambrosio, L. Nicolais, P.A. Netti, "Rheology of polysaccharide solutions: role of the draining flow", Editor(s): Binding, David M. Proceedings of the International Congress on Rheology, 13th, Cambridge, United Kingdom, Aug. 20-25, 2000 - 4 365-367 Publisher: British Society of Rheology, Glasgow, UK, 2001.
- 11E. I. Delfino, C. Piccolo, P.A. Netti, L. Carotenuto, L. Nicolais, "Micro and macrorheological behavior of CMC solutions", Trends in Optics and Photonics 47 (Photon Correlation and Scattering) 74-76, 2000.
- 12E.S. Carra, L. Malcovati, P.A. Netti, "Prediction of viscosity in emulsion polymerization of vinyl acetate stabilized by polyvinyl alcohol", FATIPEC Congress, 25th, 2, 103-116, 2000.
- 13E. Ambrosio, P.A. Netti, B. Santaniello, L. Nicolais, "Composite materials as scaffolds for tissue engineering", Proceedings of the International Symposium on Frontiers in Biomedical Polymers Including Polymer Therapeutics: From Laboratory to Clinical Practice 227-233, 3rd, maggio 23-27, 1999, Biwa Lake, Japan.
- 14E.A. Luciani, V. Cocoli, S. Orsi, V. Guarino, F. Causa, L. Ambrosio, P.A. Netti, "Novel Bottom Up Approach to Realize Bioactive Scaffold by Biodegradable Microspheres", TERMIS-EU meeting Abstracts, Tissue Engineering 13(7), 1735, settembre 4, 2007, Londra, UK.
- 15E. G. Imparato, F. Urciuolo, C. Palmiero, P.A. Netti, "Cell-Seeded Microbeads as Carriers for Tissue Delivery", Tissue Engineering, 13(7), 1633-1778, 2007.
- 16E. E. Battista, F. Causa, R. Della Moglie, P.A. Netti, "A novel platform for surface investigation of bio-conjugated ligands", EUROPEAN CELLS & MATERIALS, ISSN 1473-2262, 2010.
- 17E. I. De Santo, F. Causa, P.A. Netti, "Sub-diffusion in Nanochannels by Fluorescence Correlation Spectroscopy", EUROPEAN CELLS & MATERIALS, ISSN 1473-2262, 2010
- 18E. S. Orsi, G. Romeo, D. Guarnieri, P.A. Netti, "Particle Shape Effect on Trafficking in Tissue-like Media", EUROPEAN CELLS & MATERIALS, ISSN 1473-2262, 2010.
- 19E. M. Savarese, I. de Santo, A. Aliberti, F. Causa, P. Netti, N. Rega, "Dyes for fluorescence encoding: lifetimes and quantum yields by a combined experimental and theoretical study", XXIV Congresso Nazionale della Società Chimica Italiana, settembre 11-16, 2011, Lecce, Italia.
- 20E. Urciuolo, F., Imparato, G., Casale, C., Scamardella, S., Netti, P. Fabrication of 3D tissue equivalent: An in vitro platform for understanding collagen evolution in healthy and diseased models (2013) Proceedings of SPIE - The International Society for Optical Engineering, 8792, art. no. 87920K,
- 21E. Miccio, L., Memmolo, P., Merola, F., Fusco, S., Embrione, V., Netti, P.A., Ferraro, P. Cell-material interaction investigated by digital holographic microscopy (2013) Optics InfoBase Conference Papers,
- 22E. Del Giudice, F., Romeo, G., D'Avino, G., Greco, F., Netti, P.A., Maffettone, P.L. Particle alignment in a viscoelastic liquid flowing in a square-shaped microchannel (2013) Lab on a Chip - Miniaturisation

for Chemistry and Biology, 13 (21), pp. 4263-4271. Cited 29 times.

23E. Romeo, G., D'Avino, G., Greco, F., Netti, P.A., Maffettone, P.L. Viscoelastic flow focusing in microchannels: Scaling properties of the particle radial distributions (2013) Lab on a Chip - Miniaturisation for Chemistry and Biology, 13 (14), pp. 2802-2807. Cited 40 times.

24E. Dannhauser, D., Romeo, G., Causa, F., Netti, P.A. Small angle light scattering characterization of single micrometric particles in microfluidic flows (2013) Proceedings of SPIE - The International Society for Optical Engineering, 8792, art. no. 879212, .

25E. Conference Paper SOURCE: Scopus Miccio, L., Merola, F., Memmolo, P., Mugnano, M., Fusco, S., Netti, P.A., Ferraro, P. Investigation on cytoskeleton dynamics for non-adherent cells subjected to point-like stimuli by digital holographic microscopy and holographic optical trapping (2014) Proceedings of SPIE - The International Society for Optical Engineering, 9129, art. no. 91291V, .

26E. Miccio, L., Memmolo, P., Merola, F., Fusco, S., Netti, P.A., Ferraro, P. A new 3D tracking method for cell mechanics investigation exploiting the capabilities of digital holography in microscopy (2014) Progress in Biomedical Optics and Imaging - Proceedings of SPIE, 8947, art. no. 89471L, .

27 E. Merola, F., Miccio, L., Memmolo, P., Di Caprio, G., Coppola, G., Netti, P. 3D visualization and biovolume estimation of motile cells by digital holography (2014) Proceedings of SPIE - The International Society for Optical Engineering, 9129, art. no. 91291W, .

28E. Memmolo, P., Iannone, M., Ventre, M., Netti, P.A., Finizio, A., Paturzo, M., Ferraro, P. Sparsity-based denoising method of wrapped-phase reconstructions in digital holography (2013) Proceedings of SPIE - The International Society for Optical Engineering, 8788, art. no. 878806, .

29E. Merola, F., Miccio, L., Memmolo, P., Di Caprio, G., Coppola, G., Netti, P., Ferraro, P. 3D manipulation and visualization of in-vitro cells by optical tweezers and digital holographic microscopy (2014) Progress in Biomedical Optics and Imaging - Proceedings of SPIE, 8947, art. no. 89471A, .

30E. Guarnieri D., *Torino E., *Vecchione R., *Netti P. A. Design and optimization of polymer nanoshuttles for nanomedicine. 2015. Proc SPIE 9338, Colloidal Nanoparticles for Biomedical Applications X, vol. 9338, pp. 933802-933802-10, SPIE, San Francisco, California, United States - February 07, 2015

Inizio modulo

31E. Memmolo P., Miccio L., Merola F., *Netti P. A., Ferraro P. Wavefront matching: A novel paradigm for three-dimensional holographic particle tracking. 2015. Proceedings of SPIE 9529, Optical Methods for Inspection, Characterization, and Imaging of Biomaterials II, vol. 9529, pp. 95290C-95290C-5, SPIE, Munich, Germany

32E. Dannhauser D., *Memmolo P., *Rossi D., Merola F., Miccio L., Causa F., Ferraro P., *Netti P. A. Cells characterization in microfluidic flows by small angle light scattering and 3D holographic technique. 2015. Proceedings of SPIE 9529, Optical Methods for Inspection, Characterization, and Imaging of Biomaterials II, vol. 9529, pp. 95290D-95290D-6, SPIE, Munich, Germany

33E. Merola F., Memmolo P., Miccio L., Gennari O., Mugnano M., *Netti P. A. Red blood cell three-dimensional morphometry by quantitative phase microscopy. Proceedings of SPIE 9529, Optical Methods for Inspection, Characterization, and Imaging of Biomaterials II, vol. 9529, pp. 95290K-95290K-6, 2015 SPIE

34E. Memmolo P., Miccio L., Merola F., Gennari O., Mugnano M., *Netti P. A., Ferraro P. Lab on chip optical imaging of biological sample by quantitative phase microscopy. Proceedings of SPIE 9336: Quantitative Phase Imaging, vol. 9336, pp. 933625-933625-5, SPIE, 7 february 2015, San Francisco, California, USA

35E. Causa F., *Aliberti A., *Cusano A. M., *Battista E., *Netti P. A. Microgels for multiplex and direct fluorescence detection. 2015 Proceedings of SPIE 9529, Optical Methods for Inspection, Characterization, and Imaging of Biomaterials II, vol. 9529, (no. 952919-952919-7), SPIE, Munich, Germany

36E. Dannhauser D., *Memmolo P., *Rossi D., Merola F., Miccio L., Causa F., Ferraro P., *Netti P. A. Cells characterization in microfluidic flows by small angle light scattering and 3D holographic technique. 2015 Proceedings of SPIE 9529, Optical Methods for Inspection, Characterization, and Imaging of Biomaterials II, vol. 9529, pp. 95290D-95290D-6, SPIE

37E. Miccio L., Memmolo P., Merola F., Mugnano M., *Fusco S., *Paciello A., Ferraro P., *Netti P. A. Investigation on cytoskeleton dynamics for non-adherent cells under point-like stimuli. 2015 Proceedings of SPIE 9529, Optical Methods for Inspection, Characterization, and Imaging of Biomaterials II, vol. 9529, pp. 95290P-95290P-6, SPIE, Munich, Germany

PRESENTAZIONI (SU INVITO)

1. P.A. Netti, R.K. Jain, "Strategies for improving delivery of antibodies to solid tumors", Conference on Antibody Engineering, dicembre 4-6, 1995, La Jolla, CA, USA.

2. P.A. Netti, L.T. Baxter, Y. Boucher, R. Skalak, R. K. Jain, "Enhancing Transvascular Transport of Macromolecules in Tumors", VI World Congress for Microcirculation, agosto, 23-29, 1996, (Published on International Journal of Microcirculation Clinical and Experimental, 28(1), 1996), Monaco, Germania.

3. P.A. Netti, R.K. Jain, "Fluid and Macromolecular Transport in Solid Tumors", Conference on

- Advanced Methods of Pharmacokinetic and Pharmacodynamic System Analysis, maggio 15-18, 1997, Marina del Rey, Los Angeles, CA, USA.
4. P.A. Netti, L. Ambrosio, M.A. DelNobile, G. Mensitieri, L. Nicolais, "Thermodynamics and Sorption of Hyaluronic Acid and its Derivates", 3rd International Biorelated Polymer Symposium on Polymeric Drugs and Drug Delivery System, ACS Symposium Series, agosto 23-27, 1998, (Published on Polymer Preprint, 39(2), 210-211, 1998) Boston, MA, USA.
 5. P.A. Netti, "Transport of Fluids, Macromolecules and Particles in Hydrogel and Living Tissues", 14th European Conference on Biomaterials, settembre 15-18, 1998, The Hague, Olanda.
 6. P.A. Netti, "Movement of Macromolecular drugs in Hydrogel", Ceramic, cells and tissues drug delivery systems, marzo 9-11, 2000, Faenza, Italia.
 7. P.A. Netti, "Movement of Macromolecules and Particles in Hydrogels", 15th European Conference on Biomaterials, settembre 8-12, 1999, Archachon, Francia.
 8. P.A. Netti, "Movement of Macromolecules, Particles, and Cells in Hydrogels", Symposium on Polymeric Gels, ACS Symposium Series, marzo 26-31, 1998, (Published on Polymer Preprint, 41(1), 696-697, 2000) San Francisco, CA, USA.
 9. P.A. Netti, Luigi Nicolais, "Trafficking of Macromolecules and Cells in Hydrogels: Implication for Drug Delivery", 6e Rencontre Scientifique "Les Bipolimères en Médecine et Pharmacie, Centre interuniversitaire Pharmapeptides, Université de Geneve, Archamps, settembre 15, 2000, Ginevra, Svizzera.
 10. P.A. Netti, "Movement of Macromolecules, Particles in Gel and Tissue", International Conference on FCS Applications, aprile 24-27, 2001, Jena, Germania.
 11. P.A. Netti, "Meccanismi di Trasporto in Tessuti Tumorali", Congresso Nazionale di Biomatemica, Politecnico di Torino, giugno 1-2, 2001, Torino, Italia.
 12. P.A. Netti, "Novel Experimental Techniques To Measure Diffusivity Coefficient", INSTM Meeting, giugno 18-20, 2001, Trento, Italia.
 13. P.A. Netti, "Ingenerizzazione di Bioibridi Tissutali: Conquiste e Sfide Future", Scuola Nazionale di Biofisica, settembre 3-5, 2001, Bressanone, Italia.
 14. P.A. Netti, "Delivery of Macromolecular Medicine in Solid Tumors: Interstitial Transport", International School of Biomathematics, settembre 3-7, 2001, Propriano, Corse, Francia.
 15. P.A. Netti, "Biofunctional Materials for Tissue Engineering Reconstruction", International Conference on Advances of Biomaterials for Reconstructive Medicine, giugno 9-14, 2002, Capri, Italia.
 16. P.A. Netti, keynote address "Molecular and Cellular Trafficking in Biomaterials", 17th European Conference on Biomaterials (ESB), settembre 11-14, 2002, Barcelona, Spagna.
 17. P.A. Netti, "Movement of Macromolecules, Particles, and Cells in Hydrogels", CERC 3 Brainstorming Workshop, "Functional Synthetic Polymers and Biopolymers", Vaalbeek, ottobre 2-4, 2002, Belgio.
 18. P.A. Netti, L. Ambrosio "Movement of macromolecules, particles and cells in polymer hydrogels" Gels, Grafts and Giants – Transitioning in biomaterials into the 21st Century", dicembre 17-20, 2002, The Westin Maui at Ka'anapali, Hawaii, USA.
 19. L. Ambrosio, P.A. Netti, "Biofunctional Materials for Tissue Reconstruction", Gels, Grafts and Giants – Transitioning biomaterials into the 21st Century, dicembre 17-20, 2002, The Westin Maui at Ka'anapali, Hawaii, USA.
 20. P.A. Netti, "Movement of Fluid and Macromolecules in Cellular Constructs", 1st World Congress in Regenerative Medicine, ottobre 22-24, 2003, Leipzig, Germania.
 21. P.A. Netti, keynote address "Vascularization of three-dimensional polymer scaffolds", 7th World Biomaterial Conference, maggio 17-21, 2004, Sydney, Australia.
 22. P.A. Netti, keynote address "Molecular Trafficking in cellular constructs: Techniques and Experimental results", European Society of Biomechanics Annual Meeting, luglio 4-7, 2004, 's-Hertogenbosch, The Netherlands.
 23. P.A. Netti, "Molecular delivery to solid tumors", Summer School In vivo Molecular Imaging, 30 Aug.- 3 Sept., 2004, Paris, Francia.
 24. M. Fiorillo, L. Catapano, M. Pennacchi, L. Ambrosio, L. Nicolais, P.A. Netti, "Cell locomotion within complex scaffolds: role of material structure, stiffness and composition", in Nuove frontiere di Applicazione delle Metodologie dell'Ingegneria Chimica, Convegno Gricu – settembre 12-15, 2004, Porto d'Ischia (NA), Italia.
 25. P.A. Netti, "Polymeric materials for tissue repair and engineering. Case of bone care", 3rd EPF Summer School "Polymers for biomedical applications", maggio 22-27, 2005, Sant-Diè, Francia.
 26. P.A. Netti, "Transport and Rheological Properties of Modified PEO-PPO copolymers in aqueous solutions", in Frontiers in Biomedical Polymers FBPS.05, giugno 16-19, 2005, Granada, Spagna.
 27. P.A. Netti, "Novel strategies to deliver molecular medicine to solid tumors", in AAPS National Biotechnology Conference, giugno 5-8, 2005, San Francisco, CA, USA.
 28. P.A. Netti, "Cell migration dynamics on and in polymeric scaffolds", in 12th CIRMIB Biomaterials School entitled from biomedical devices to molecular recognition and tissue engineered products, luglio 11-15, 2005, Ischia, NA, Italia.

29. P.A. Netti, keynote address "Mind the matrix: role of material cues in controlling cell function", 4th Annual Meeting of the European Tissue Engineering Society (ETES), agosto 31 - settembre 3, 2005, Monaco, Germania.
30. P.A. Netti, "The spatial distribution and the temporal evolution of the matrix regulate cell function", 1st Chinese-European Symposium on Biomaterials in Regenerative Medicine, aprile 3-7, 2006, Suzhou, Cina.
31. P.A. Netti, "Overcoming transport limitation in 3D cellular constructs", in International conference on advances in biomaterials for drug delivery and regenerative medicine, giugno 11-16, 2006, Capri, Italia.
32. P.A. Netti, "Nanostrutture e nanodispositivi per diagnosi e terapia", Convegno internazionale di studio sulle nanoscienze e nanotecnologie, Sala del Cenacolo della Camera dei Deputati, giugno 27, 2006, Roma, Italia.
33. P.A. Netti, "Overcoming transport limitation in tissue engineering: novel approaches for tissue delivery", in 13th CIRMI Biomaterials School on Tissue Engineering and Regenerative Medicine, luglio 11, 2006, Ischia, NA, Italia.
34. P.A. Netti, "Nuovi approcci per il delivery di cellule e tessuti in medicina rigenerativa", XII Scuola Nazionale Scienza dei Materiali, settembre 12, 2006, Bressanone, Italia.
35. P.A. Netti, "Role of cell-material interaction on cell migration", International EMBO Workshop - Cell Migration, Tissue Invasion and Disease, ottobre 14-17, 2006, Capri, Italia.
36. P.A. Netti, "Transport of fluids and macromolecules within solid tumors", 2006 International Symposium on Electrohydrodynamics (2006 ISEHD), dicembre 4-6, 2006, Buenos Aires, Argentina.
37. P.A. Netti, "Engineering of foamed structures for biomedical applications", Rapra conference on Blowing Agents and Foaming Processes, maggio 22-23, 2007, Francoforte, Germania.
38. P.A. Netti, "Molecular Engineered Material for Tissue Scaffolds and Drug Delivery", 1st School for "Advanced Biomaterials, giugno 29-30, 2007, Patrasso, Grecia.
39. P.A. Netti, "Engineering foamed structures for biomedical application", International Conference on Biofoams, settembre 26-28, 2007, Capri, Italia.
40. P.A. Netti, keynote address "Bioactivated polymer matrices for tissue engineering" in International conference in Innovation in Drug delivery: from biomaterials to devices, 30 settembre-3 ottobre, 2007, Napoli, Italia.
41. P.A. Netti, "Designing biomaterial interface as a tool for controlling cell function", NATO Advanced Research Workshop on Nanoengineered systems for regenerative medicine, settembre 21-24, 2007, Varna, Bulgaria.
42. P.A. Netti, "Il Futuro delle Nanotecnologie in Medicina", LXXXIII Congresso Nazionale SIGO, ottobre 14-17, 2007, Napoli, Italia.
43. P.A. Netti, "Bioactivated polymer matrices for bone repair", International Symposium on Biomechanics and Biology of Bone Healing, maggio 15-17, 2008, Berlino, Germania.
44. P.A. Netti, "Multifunctional scaffolds and novel processes for engineering biological tissues in vitro", 5th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries (EMCC5), maggio 24-29, 2008, Cetraro (CS), Italia.
45. P.A. Netti, keynote address "Engineering of foamed structure for biomedical application", 24th meeting of the polymer processing society (PPS), giugno 15-19, 2008, Salerno, Italia.
46. P.A. Netti, keynote address "Novel materials and processes to better control tissue development in vitro and in vivo", TERMIS-EU meeting, giugno 13-17, 2010, Galway, Irlanda.
47. P.A. Netti et al., "Novel materials and processes to engineering biological tissues in vitro", Advances in Polymer based Materials and Related Technologies, maggio 29-giugno 1, 2011, Congress Centre Capri (Na), Italia.
48. A. Salerno, P.A. Netti, "Solid-state supercritical CO₂ foaming of PCL and PCL-HA nanocomposite: effect of composition, thermal history and foaming process on foam pore structure", Biofoams 2011 Third International Conference on Biofoams, settembre 21-23, 2011, Capri (NA), Italia.
49. P.A. Netti, "Bioactive materials for cell and tissue guidance", LIFE-MED2011 the International life-sciences event, ottobre 5-7, 2011, Fiera Milanocity, Italia.
50. P.A. Netti, "Mastering cell-material crosstalking at the nano scale: molecular cues and news", Italian-Swedish Workshop on Nanoscience and Medical Tecnology YKI, settembre 29-30, 2011, Stoccolma, Svezia.
51. P.A. Netti, "Novel materials and processes to engineering biological tissues in vitro", Advances in Polymer based Materials and Related Technologies, a workshop in honour of Mimmo Acierno's 70th birthday, maggio 29 - giugno 1, 2011, Congress Centre Capri, NA, Italia.
52. P.A. Netti, "Presenting effective signals at cell-material interface to engineering cell instructive materials" E-MRS (European Materials Research Society) 2012 SPRING MEETING, maggio 14-18, 2012, Congress Centre, Strasburgo, Francia.
53. P.A. Netti, "Guiding tissue growth in 3D matrices by spatial and temporal control of signal presentation", 3rd International Conference Strategies in Tissue Engineering, maggio 23-25, 2012, Wurzburg, Germania.
54. P.A. Netti, "Cell-material crosstalking at the nanoscale: cues and news", School in Advanced

- and Optical Technologies (SAOT), Erlangen, Friedrich-Alexander Universität, maggio 25, 2012, Erlangen-Nürnberg (FAU), Germania.
55. P.A. Netti, "Biomateriali nanostrutturati per la guida ed il controllo di processi cellulari", Bioforum, giugno 7-8, Napoli, Italia.
 56. P.A. Netti, "Nanostructured biomaterials for cell and tissue guidance", School on New and Old Polymers for Sustainable Chemistry, Università di Salerno, settembre 7, 2012, Salerno, Italia.
 57. P.A. Netti, "Cell-material crosstalking at the nanoscale: cues and news", Nanoforum, Università di Roma, settembre 26, 2012, Roma, Italia.
 58. P.A. Netti, "On the engineering of cell instructive materials", NanoEngineering for Medicine and Biology (NEMB) Congress, ottobre 11-12, 2012, Venezia, Italia.
 59. P.A. Netti, "Mechanosensing and mechanotransduction: cell's sense of stress", BIOMICS, novembre 5, 2012, Università di Napoli "Federico II", Napoli, Italia.
 60. P.A. Netti, "La sperimentazione delle nuove tecnologie applicate alla medicina", V convegno Comitato Etico per le attività biomediche, Facoltà di medicina e Chirurgia, Federico II Napoli, novembre 23, 2012, Napoli, Italia.
 61. P.A. Netti, "Novel materials and processes to engineering biological tissues in vitro", Scuola Interpolitecnica di dottorato, Fall school, dicembre 3-6, 2012, Bari, Italia.
 62. P.A. Netti, "Mastering material-cytoskeleton crosstalk to engineering a new generation of cell instructive biomaterials", Third International Conference on Multifunctional, Hybrid and Nanomaterials, marzo 3-7, 2013 Sorrento (Na), Italia.
 63. P.A. Netti, "Cell instructive materials as scaffolds for building functional tissue in vitro", ASBTE 2013, 2-5 aprile, 2013, Adelaide, Australia
 64. P.A. Netti, "Deciphering the dialogues at the cell-material interface", SPIE Optical Metrology, 2-5 maggio, 2013, Monaco, Germania.
 65. P.A. Netti, "Cell instructive materials to engineering biological tissues in vitro", ESB 2013, 8-12 settembre, 2013, Madrid, Spagna.
 66. P.A. Netti, "Nanoengineered scaffolds to build functional tissue in vitro", International School of Physics and Technology of Matter, 15-17 settembre, 2013, Otranto, Italia.
 67. P.A. Netti, "Cell instructive materials to guide controlled cell fate", BioNanoMaterials 2013, 18 ottobre, 2013, Salerno, Italia.

Dati personali 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".