

PERSONAL INFORMATION

Paolo A. Netti



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Sex male | Date of birth 02/09/1963 | Nationality Italian

Enterprise	University	EPR
☐ Management Level	☒ Full professor	☒ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- 2016-today **Full Professor of Bioengineering**
Department of Chemical, Materials and Industrial Production Engineering, University of Naples Federico II, Naples Italy
- 2010-2015 **Full Professor of Material Science and Engineering**
Department of Chemical, Materials and Industrial Production Engineering, University of Naples Federico II, Naples Italy
- 2009-today **Director of the Centre for Advanced Biomaterials for Health Care**
Fondazione Istituto Italiano di Tecnologia (IIT), Naples Italy
- 2008-2011 **Coordinator of the Master degree in Materials Engineering**
Department of Materials and Production Engineering, University of Naples Federico II, Naples Italy
- 2004-2013 **Director of the Interdisciplinary Research Centre on Biomaterials (CRIB)**
University of Naples Federico II, Naples Italy
- 2002-2010 **Associate Professor of Material Science and Engineering**
Department of Chemical, Materials and Industrial Production, University of Naples Federico II, Engineering, Naples Italy
- 1999-2002 **Assistant Professor of Material Science and Engineering**
Department of Materials and Production Engineering, University of Naples Federico II, Naples Italy
- 1997-1999 **Research Fellow**
Department of Chemical, Materials and Industrial Production Engineering, University of Naples Federico II, Naples Italy
- 1994-1996 **Postdoctoral Research Fellow**
Department of Health Science & Technology, Edwin Steele Laboratory, Harvard University and MIT, Boston, MA (USA)

EDUCATION AND TRAINING

- 1991-1994 **PhD Chemical Engineering**
Faculty of Engineering, University of Naples Federico II, Naples Italy

WORK ACTIVITIES

- Awards**
- 1998 European Society for Biomaterials: The Jean Leray Award
 - 2007 Awarded motu-proprio from the President of the Italian Republic “Commendatore all’ordine del merito della Repubblica Italiana per meriti scientifici”
 - 2008 International Union of Societies for Biomaterials: Fellow, Biomaterials Science and Engineering (FBSE)
- Invited presentations**
- More than 100 invited presentation, Keynote and plenaries at international conferences.

ADDITIONAL INFORMATION

- Publications**
- total number of publications in peer-review journals **504**
 - total Impact Factor (IF) (average IF/paper), **2316.86 (4.60)**
 - total number of citations **13883**
 - H index **61**

- De Capua A., Palladino A., Chino M., Attanasio C., Lombardi A., Vecchione R., Netti P.A. (2021). Active targeting of cancer cells by CD44 binding peptide-functionalized oil core-based nanocapsules, *RSC Advances*, 11, 24487-24499.
- Profeta M., Di Natale C., Lagreca E., Mollo V., Netti P.A., Vecchione R. (2021). Cell membrane-coated oil in water nano-emulsions as biomimetic nanocarriers for lipophilic compounds conveyance, *Pharmaceutics*, 13.
- Di Natale C., De Rosa D., Profeta M., Jamaledin R., Attanasio A., Lagreca E., Scognamiglio P.L., Netti P.A., Vecchione R. (2021). Design of biodegradable bi-compartmental microneedles for the stabilization and the controlled release of the labile molecule collagenase for skin healthcare, *Journal of Materials Chemistry B*, 9, 392-403.
- Di Natale C., Lagreca E., Panzetta V., Gallo M., Passannanti F., Vitale M., Fusco S., Vecchione R., Nigro R., Netti P. (2021). Morphological and Rheological Guided Design for the Microencapsulation Process of *Lactobacillus paracasei* CBA L74 in Calcium Alginate Microspheres, *Frontiers in Bioengineering and Biotechnology*.
- Celentano M., Vecchione R., De Simone M., Esposito E., Patrone M., Netti P.A. (2021). Open porous composite monoliths for biomedical applications via photocrosslinking of low internal phase nano-emulsion templates, *Applied Sciences (Switzerland)*, 11.
- Russo G., Iaccarino G., Piccolo M., Ferraro M.G., Vecchione R., Grumetto L., Netti P.A., Santamaria R. (2021). Prolonged activity of a recombinant manganese superoxide dismutase through a formulation of polymeric multi-layer nanoassemblies targeting cancer cells, *European Journal of Pharmaceutical Sciences*, 162.
- Makvandi P., Jamaledin R., Chen G., Baghbantarghdari Z., Zare E.N., di Natale C., Onesto V., Vecchione R., Lee J., Tay F.R., Netti P., Mattoli V., Jaklenec A., Gu Z., Langer R. (2021). Stimuli-responsive transdermal microneedle patches, *Materials Today*.
- Jamaledin R., Makvandi P., Yiu C.K.Y., Agarwal T., Vecchione R., Sun W., Maiti T.K., Tay F.R., Netti P.A. (2020). Engineered Microneedle Patches for Controlled Release of Active Compounds: Recent Advances in Release Profile Tuning, *Advanced Therapeutics*, 3.
- Jamaledin R., Di Natale C., Onesto V., Taraghdari Z.B., Zare E.N., Makvandi P., Vecchione R., Netti P.A. (2020). Progress in microneedle-mediated protein delivery, *Journal of Clinical Medicine*, 9.
- Jamaledin R., Sartorius R., Di Natale C., Vecchione R., De Berardinis P., Netti P.A. (2020). Recombinant filamentous bacteriophages encapsulated in biodegradable polymeric microparticles for stimulation of innate and adaptive immune responses, *Microorganisms*, 8.
- Iaccarino G., Profeta M., Vecchione R., Netti P.A. (2019). Matrix metalloproteinase-cleavable nanocapsules for tumor-activated drug release, *Acta Biomaterialia*, 89, 265-278.
- Battisti M., Vecchione R., Casale C., Pennacchio F.A., Lettera V., Jamaledin R., Profeta M., Di Natale C., Imparato G., Urciuolo F., Netti P.A. (2019). Non-invasive Production of Multi-Compartmental Biodegradable Polymer Microneedles for Controlled Intradermal Drug Release of Labile Molecules, *Frontiers in Bioengineering and Biotechnology*, 7.
- Falanga A.P., Pitingolo G., Celentano M., Cosentino A., Melone P., Vecchione R., Guarnieri D., Netti P.A. (2017). Shuttle-mediated nanoparticle transport across an in vitro brain endothelium under flow conditions, *Biotechnology and Bioengineering*, 114, 1087-1095