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## FABIANA QUAGLIA

### PROFESSIONAL EXPERIENCE

2019 - present  
Full Professor, Department of Pharmacy, University of Napoli Federico II - Italy  
2005 - 2019  
Associate Professor, Department of Pharmacy, University of Napoli Federico II - Italy  
1999 - 2005  
Assistant Professor, Faculty of Pharmacy, Department of Pharmaceutical and Toxicological Chemistry, University of Napoli Federico II - Italy  
1998 - 1999  
Post-doctoral fellow, University of Napoli Federico II - Italy  
1996 - 1997  
Post-doctoral fellow, University of Paris XI – Chatenay Malabry - France

### EDUCATION

1998 Specialization in Hospital Pharmacy, University of Napoli Federico II - Italy  
1996 Ph.D. in Pharmaceutical Sciences, University of Napoli Federico II - Italy  
1992 Laurea summa cum laude in Pharmacy, University of Napoli Federico II - Italy

### RESEARCH ACTIVITY

Primary research interest lies in developing engineered polymeric nanoplateforms delivering low molecular weight drugs, proteins and oligonucleotides to different body compartments and aimed at improving their activity/toxicity profile. Several strategies are available to tune surface features of nanoplateforms to overcome tumour and mucosal barriers and to achieve tumor cell targeting. She is currently focusing on polymeric nanoparticles to fight multidrug resistance in cancer delivering drug/siRNA combinations and unconventional cytotoxic species under light stimuli.

### SCIENTIFIC OUTPUT

- 147 peer-reviewed papers (9 reviews, 60% as last/corresponding author)
- 20 conference papers
- 5 book chapters
- H-index: 44
- ~5800 citations (Scopus)
- more than 25 invited talks at national and international conferences

Her track record, primarily contributed by research in the field of nanomedicines, allowed Prof. Quaglia to be in the 2020 and 2021 World's Top 2% Scientists (Stanford University) considering both the entire career and a single year.

She is inventor in EP2600908B1 - Bioadhesive polymer-based controlled-release systems, production process and clinical uses thereof.

AWARDS AND HONORS	<p>Back cover in Journal of Materials Chemistry B, 2018, 6, 185–340.</p> <p>Inside Cover in Nanoscale, 2015, 7, 5643.</p> <p>“EURAND AWARD 2001 for outstanding novel research in oral drug delivery”, 28th International Symposium on Controlled Release of Bioactive Materials, San Diego (USA).</p>
MENTORSHIP	6 Ph.D. students, 5 postdoctoral fellows and ca. 100 undergraduate students.
RESEARCH GRANTS	<p>2022-2026</p> <p>Peptide-anchored nanoparticles for the extrahepatic targeting of siRNA - National Center on RNA therapeutics, Italian Ministry for University and Research (Principal Investigator, TBD).</p> <p>2021-2023</p> <p>Photoactivatable nanoparticles to overcome doxorubicin resistance in breast cancer - NanoDoxo - FRA 2020, University of Napoli (Principal Investigator, € 40.000).</p> <p>2015-2018</p> <p>Strategies to drive chemotherapeutics to solid tumors: multifunctional nanoparticles from tailor-made block copolymers (IG 2014 Id.15764). Italian Association for Cancer Research (Principal Investigator, 3 collaborators, € 250.000).</p> <p>2013-2016</p> <p>Advanced drug delivery strategies to overcome biological barriers in the body (OverBioBarriers) (2010H834LS), Italian Ministry for University and Research (Coordinator, 6 partners, € 850.000 total, 200000 € research unit).</p>
EDITORIAL BOARDS OF SCIENTIFIC JOURNAL	<p>2022-present</p> <p>Associate editor for Europe/Africa of Drug Delivery and Translational Research (Springer, IF 5.671)</p> <p>2021-2022/2019-present</p> <p>Interim Managing Editor and then Associate Editor of Biomedical Microdevices (Springer, IF 3.738)</p> <p>2017-present</p> <p>Editorial board member of: Pharmaceutics (MDPI, IF 6.525) and Nanomaterials (MDPI, IF 5.719)</p>
ACTIVITY AS REVIEWER FOR INTERNATIONAL SCIENTIFIC PROJECTS	<p>2019-2022 La Caixa (Spain) Grant program</p> <p>2017 MIUR (Italy) FARE projects</p> <p>2016-2017 Università di Modena e Reggio Emilia (Italy)- Finanziamento alle attività di ricerca (FAR)</p> <p>2015 ETH (Switzerland) ETH post-doc fellowship program</p> <p>2013 PRIN (Italy) Grant program 2012 line 1 and line 2</p> <p>2012 Canceropole grand ouest (France) Grant program</p> <p>2011 Agence nationale de la recherche (ANR), French Call for proposals DFG chemistry and Programme BLANC AAP Blanc - SVSE 1 - Physiologie, physiopathologie, santé publique</p>

MAIN ORGANIZING AND COORDINATING ACTIVITIES	<ul style="list-style-type: none"> <li>- Coordinator of the Research Board at Department of Pharmacy at University of Napoli (2019-present)</li> <li>- Scientific coordinator of Spoke 8 "Platforms RNA and DNA delivery" - National Center for Gene Therapy and Drugs based on RNA Technology (2023-2025)</li> <li>- Rector's representative for the Chemistry area and Department of Pharmacy in the frame of the "Evaluation of Research Quality" (VQR 2015-2019)</li> <li>- Coordinator of the panel for the Chemistry area regarding the "Evaluation of Research Quality" (VQR 2015-2019) at the University of Napoli Federico II</li> <li>- Scientific advisor for the Progetto di Eccellenza 2018-2022 granted to the Department of Pharmacy. The grant was attributed to the best performing 180 Department in Italy for research activity</li> <li>- Member of the PhD board in Pharmaceutical Sciences from 2010</li> <li>- Past member of the executive board and the international board at the Department of Pharmacy</li> <li>- Board member of the scientific society Chemistry and Technology of Cyclodextrins (CDTEC)</li> <li>- Individual Membership Representative to the council of European Federation for Pharmaceutical Sciences (EUFEPS) (2005-2007)</li> </ul>
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MAIN TEACHING ACTIVITY	<p>2011-present Pharmaceutical technology and legislation (80 h) – Master's degree in Pharmaceutical Chemistry and Technology</p> <p>2004-2009 and 2021-present Pharmaceutical technology and legislation (80 h) – Bachelor of Science in Biotechnology</p> <p>2021-present Formulation of natural products (48 h) - Bachelor of Science in Herbal Sciences</p> <p>2019-2022 Compounding in hospital pharmacy (48 h) - Bachelor of Science in Quality Control</p> <p>2017-2020 Regulatory aspects in quality control (48 h) - Bachelor of Science in Quality Control</p> <p>2006-2011 Pharmaceutical Technology (80 h) – Bachelor of Science in Quality Control</p> <p>2011-2021 Drug delivery II (8 h)- Specialization in Hospital Pharmacy</p>
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I hereby declare that the facts given above are genuine to the best of my knowledge and belief

Napoli, 11.05.2023