

Prof. Roberto Canaparo, MSc PhD

Esperienze Professionali

Dal 2022 - Professore Associato presso il Dipartimento di Scienza e Tecnologia del Farmaco dell'Università degli Studi di Torino, settore scientifico disciplinare BIO/14 - Farmacologia

2008-2022 Ricercatore a tempo indeterminato presso il Dipartimento di Scienza e Tecnologia del Farmaco dell'Università degli Studi di Torino, settore scientifico disciplinare BIO/14 - Farmacologia

2002-2008 Borse di studio per la ricerca presso il Dipartimento di Anatomia, Farmacologia e Medicina Legale ed il Dipartimento di Fisiopatologia Clinica dell'Università degli Studi di Torino

1999-2001 Research Fellow presso il Dipartimento Medical Laboratory Sciences & Technology, Division of Clinical Pharmacology Huddinge University Hospital, Karolinska Institutet, Stockholm, Sweden

Titoli di Studio

1995 Laurea in Biologia presso l'Università degli Studi di Torino, con votazione 103/110

1996 Abilitazione all'Esercizio della Professione di Biologo

2002 Dottorato di Ricerca in Farmacologia e Tossicologia presso l'Università degli Studi di Torino

2019 Academic Teaching Excellence rilasciato da British Council per l'Università degli Studi di Torino

Prodotti della Ricerca

- ORCID: 0000-0003-2774-6817

- Pubblicazioni: 60 articoli in riviste internazionali peer-reviewed, 70 pubblicazioni in atti di congressi e 1 capitolo in libri scientifici; H-index 25 e 1723 citazioni (Scopus, 2023-03-21)

- Brevetti: 1 brevetto nazionale "Agente sonosensibilizzante e suo metodo di attivazione" (2018, IT102018000009966)

- Finanziamenti:

2019-2024 Co-Investigatore "Boosting the efficacy of liposomal doxorubicin against ovarian cancer by local ultrasound stimulation under MRI guidance", AIRC - "Investigator Grant"

2017-2019 Co-Investigatore "MRI-guided therapy for combating ovarian cancer", Fondazione San Paolo

2016 Co-Investigatore "Measuring ultrasound non-thermal biological interactions to bring sonodynamic therapy from bench to bedside", Unione Europea - "IncoNet EaP Twinning Grants"

2016 Co-Investigatore "Green nanotechnologies for the development of new nanosystems to prevent and treat neurodegenerative diseases" supported by Fondazione CRT 2016, Torino, Italy

2013-2015 Co-Investigatore "In vivo sonodynamic therapy: evaluation of cavitation effects on cancer tissue with innovative sonosensitizers", AIRC - "My First AIRC Grant"

2011 Co-Investigatore "Preparation and uses of targeted nanoparticles for drug delivery" supported by University of Torino and Compagnia di San Paolo "Ricerca 2011"

2010-2013 Co-Investigatore "Sonodynamic therapy: high energy shock waves and porphyrin compounds for treatment of solid tumors", Ministero della Salute - "Giovani Ricercatori 2008"

2010 Principal Investigatore "Pharmacogenetics of Tacrolimus in pediatric liver transplant recipients" supported by Fondazione CRT 2010, Torino, Italy

2008 "Nano-sized Systems for Innovative Biotechnological Applications: Imaging-guided Therapy (Nano-IGT)" supported by Piemonte Region "Converging technologies 2008"

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Current/ Past positions

2017-to date Associate Professor in Pharmacology (BIO/14), Department of Drug Science and Technology, University of Torino, Italy

2008-2022 Assistant Professor in Pharmacology (BIO/14), Department of Drug Science and Technology, University of Torino, Italy

2002-2008 Fellowships at the University of Torino, Italy

1999-2001 Research Fellow at the Department of Medical Laboratory Sciences & Technology, Division of Clinical Pharmacology Huddinge University Hospital, Karolinska Institutet, Stockholm, Sweden

Education/ Training

1995 University of Torino, Italy - Master's Degree in Biology 103/110

1996 University of Torino, Italy - License to practice the Profession of Biologist

2002 University of Torino, Italy - PhD in Pharmacology and Toxicology

2019 Academic Teaching Excellence delivered by the British Council for the University of Torino, Italy

Research Activity

- ORCID: 0000-0003-2774-6817

- Publications: 60 articles in peer-reviewed international journals, 70 publications in congress proceedings and 1 chapter in scientific books; H-index 25 and citations 1723 (Scopus, 2023-03-21)

- Patents: 1 Italian patent "Sonosensitizing agent and its method of activation" (2018, IT102018000009966)

- Research funding:

2019-2024 Co-Invetsigator "Boosting the efficacy of liposomal doxorubicin against ovarian cancer by local ultrasound stimulation under MRI guidance" - "AIRC Investigator Grant 2018" supported by Associazione Italiana per la Ricerca sul Cancro (AIRC)

2017-2019 Co-Investigator "MRI-guided Therapy for combating Ovarian cancer" supported by University of Torino and Compagnia di San Paolo "Research for the territory 2017"

2016 "Green nanotechnologies for the development of new nanosystems to prevent and treat neurodegenerative diseases" supported by Fondazione CRT 2016, Torino, Italy

2013-2015 "In vivo sonodynamic therapy: evaluation of cavitation effects on cancer tissue with innovative sonosensitizers" - "My First AIRC Grant 2012" supported by Associazione Italiana per la Ricerca sul Cancro (AIRC)

2011 "Preparation and uses of targeted nanoparticles for drug delivery" supported by University of Torino and Compagnia di San Paolo "Ricerca 2011"

2010-2013 "Sonodynamic therapy: high energy shock waves and porphyrin compounds for treatment of solid tumors" supported by Italian Ministry of Health "Giovani Ricercatori 2008"

2010 Principal Investigator "Pharmacogenetics of Tacrolimus in pediatric liver transplant recipients" supported by Fondazione CRT 2010, Torino, Italy

2008 "Nano-sized Systems for Innovative Biotechnological Applications: Imaging-guided Therapy (Nano-IGT)" supported by Piemonte Region "Converging technologies 2008"