

# Guendalina Zuccari

Researcher

## EDUCATION AND TRAINING

*Graduated with honors on July 21, 2000 in Pharmaceutical Chemistry and Technology from the Faculty of Pharmacy at the University of Bologna, with an experimental thesis entitled "Use of fatty acid-substituted polyvinyl alcohol for the preparation of microspheres", supervised by Prof. Vittorio Zecchi and co-supervised by Prof. Isabella Orienti.*

*From September 15, 2000, she continued conducting research at the Laboratory of Pharmaceutical Technology, Department of Pharmaceutical Sciences, Faculty of Pharmacy, where she had previously carried out her experimental thesis, in the capacity of Visiting Graduate Researcher.*

*In 2001, she carried out research at the Oncology Laboratory of the G. Gaslini Institute in Genoa, focusing on the treatment of neuroblastoma and melanoma cell lines with innovative drugs delivered using self-assembling polymeric micelles.*

*On July 29, 2002, she signed a research contract with Fidia Farmaceutici S.P.A. for the implementation of the project "Development of highly specific antitumor drug carriers based on biocompatible self-assembling polyvinyl derivatives". The work was conducted at the Laboratory of Pharmaceutical Technology at the University of Bologna under the supervision of Prof. I. Orienti, and at the Oncology Laboratory of the G. Gaslini Institute in Genoa, under the supervision of Dr. P.G. Montaldo.*

*She won the competitive selection for the awarding of a 24-month research grant titled "Preparation and evaluation of innovative therapeutic systems for the passive and active targeting of antitumor drugs in the treatment of neuroblastoma", in accordance with the resolution of July 21, 2005, by the Department of Pharmaceutical Sciences at the University of Bologna.*

*In 2006, she earned a Ph.D. in Pharmaceutical Sciences (University of Bologna, XVIII cycle) with a dissertation entitled "Preparation of new self-assembling polymeric systems with specific membrane affinity: functional evaluation as antitumor drug carriers and selective cytotoxicity structures". Supervisor: Prof. Isabella Orienti.*

*As of October 1, 2006, Dr. Zuccari began working at the Department of Pharmaceutical Sciences at the University of Bologna as a non-tenured Researcher in the academic discipline SSD CHIM/09.*

*On June 1, 2007, she transferred from Bologna to the new campus in Rimini, becoming affiliated with the Department of Life Quality Sciences – School of Pharmacy, Biotechnology and Motor Sciences, to carry out teaching and research assignments.*

*As of November 1, 2015, Dr. Zuccari began serving at the Department of Pharmacy – School of Medical and Pharmaceutical Sciences at the University of Genoa as a Researcher in the academic discipline CHEM-08/A.*

*She obtained the National Scientific Qualification for Associate Professor (second tier) as of December 11, 2023, in the competition sector Technology, Socioeconomics, and Regulation of Medicinal Products.*

## PROFESSIONAL HISTORY

01/10/2006

**Researcher**

University of Bologna

## ACADEMIC APPOINTMENTS

*Member of the Orientation Committee of the Department of Pharmacy at the University of Genoa.*

## EXPERIENCE

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

Member of the editorial boards of Journals: Pharmaceuticals (ISSN: 1424-8247), and Current Drug Delivery ISSN (Print):1567-2018.

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

06/06/2024 Recipharm Italia Award

Thesis advisor for the Master's thesis entitled "Extracellular vesicles as drug carriers for the treatment of neuroblastoma", winner of the Recipharm Italia Award for the best experimental Master's thesis. Award theme: "New drug delivery strategies and novel carriers for the therapeutic challenges of the future".  
University of Genoa

30/10/2024 Intellectual Property Award (IPA)  
Winner with the patent "Method for producing gastroretentive compact matrices for the controlled release of active substances and the resulting compact matrices" of the 2023 Intellectual Property Award (IPA), established by the Italian Patent and Trademark Office of the Ministry of Enterprises and Made in Italy, in the MedTech category.  
University of Genoa

PARTICIPATION IN THE CREATION OF NEW BUSINESS ENTITIES (SPIN-OFFS), DEVELOPMENT, USE AND COMMERCIALISATION OF ACADEMIC PATENTS

07/02/2019 Patent: A three-dimensional hydrogel scaffold for cell culturing and a method for the production thereof. Inventors: Caviglioli Gabriele, Baldassari Sara, Zuccari Guendalina, Bassi Anna Maria, Yan Mengying. EP3662054A1; EP3662054B1; IT201700087978A1; WO2019025070A1.  
University of Genoa

19/09/2019 Patent: Compounds and methods for detecting early atherosclerotic lesions in blood vessels. Inventors: Caviglioli Gabriele, Baldassari Sara, Zuccari Guendalina, Florio Tullio, Sambuceti Gianmario, Ailuno Giorgia. IT201800003508A1; WO20191750119A1.  
University of Genoa

[29/09/2022](#) Patent: A method for the production of gastroretentive compact matrices for the controlled release of active substances and compact matrices thus obtained. Inventors: Caviglioli Gabriele, Baldassari Sara, Zuccari Guendalina, Ailuno Giorgia. IT202100006776A1; WO202220097A1.

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