

Married, three kids, I am an active person with a problem-solving and multidisciplinary-oriented mind-set. I am a joyful person as attitude, always looking at the bright side, convinced that "where there is a will, there is a way". I work daily to promote the refinement, reduction and replacement of animal testing in early-stage drug development. Through my research in in vitro drug testing and biopharmaceutics, I have reached a unique level of innovation, which will ultimately allow drug manufacturers to take the leap toward sustainability. I am also a passionate teacher with more a 10-year experience in education in different European Universities in Pharmaceutics and Biopharmaceutics.

PERSONAL INFORMATION

Family name, First name: di Cagno, Massimiliano Pio

Date of birth: 04/12/1983

Nationality: Italian

Languages: Italian, English (C2), Norwegian (C2), Danish (B2)

Researcher unique identifier(s) (ORCID): orcid.org/0000-0003-2179-6792

URL for web site: <https://dscf.units.it/it/dipartimento/persone/personale-docente?q=it/node/53803>



CURRENT POSITIONS

2024 - 100 % Associate Professor in Pharmaceutics, Department of Chemical and Pharmaceutical Sciences, University of Trieste (UniTS), Trieste, (I)

PREVIOUS POSITIONS

2019 -2024 100 % Associate Professor in Pharmaceutics, Department of Pharmacy, Faculty of Mathematics and Natural Sciences, University of Oslo (UiO), Oslo (NO)

2021 -2023 5 % Scientific Consultant, Phabioc GmbH, Fritz-Haber-Weg 2, 76131 Karlsruhe (DE)

2014 - 2018 Associate Professor, Faculty of Health Sciences/ Department of Pharmacy, University of Tromsø - The Arctic University of Norway (UiT), Tromsø (NO)

2013 - 2014 Assistant Professor, Faculty of Natural Sciences/ Department of Physics, Chemistry and Pharmacy, University of Southern Denmark (SDU), Odense (DK)

2012 - 2013 Postdoctoral researcher, Faculty of Pharmacy and Biotechnology/ Department of Pharmaceutical Sciences, Alma Mater Studiorum University (UNIBO), Bologna (I)

EDUCATION

2012 Ph.D degree in Pharmacy, Faculty of Natural Sciences, Department of Physics, Chemistry and Pharmacy, University of Southern Denmark (SDU), Odense (DK)

2008 Master's degree in industrial pharmacy (CTF), Faculty of Pharmacy, Department of Pharmaceutical Sciences, Alma Mater Studiorum University, (UNIBO), Bologna (I)

TEACHING

2024- Leading three courses in Regulatory aspects of drug development, manufacturing and commercialization (052FA-"*Legislazione Farmaceutica*" (CTF); 059FA-"*Legislazione e Deontologia Farmaceutica*" (Farmacia); 154FA-"*Aspetti professionalizzanti in Farmacia*" (Farmacia/CTF))

2014 -2024 Three Master-level courses led in *Advance drug development strategies*, two bachelor-level courses led in *Pharmaceutics*, lecturer in 4 additional courses. 600 Hour/year minimum teaching loading. Supervisor of 3 PhD students (8 completed), 12 master students and 6 bachelor students.

ORGANISATION OF SCIENTIFIC MEETINGS

2019 Course Organizer, PhD course titled "Workshop on coupled localized spectroscopy-non-linear data fitting to resolve passive diffusion and release kinetics of drugs" / 10 participants/ August 2018/ University of Oslo (Norway)

INSTITUTIONAL RESPONSIBILITIES

2024- Member of the study program board for Pharmacy and Industrial Pharmacy (CTF) degrees, UniTS, Department of Chemical and Pharmaceutical Sciences (I)

2024- Secretary of the Pharmacy Internship board for Pharmacy and Industrial Pharmacy (CTF) degrees, UniTS, Department of Chemical and Pharmaceutical Sciences (I)

2023 -2024 Member of the Education Committee, UiO, Faculty of Mathematics and Natural Sciences, Department of Pharmacy (NO)

2021-2024 Member of the study program board, UiO, Faculty of Mathematics and Natural Sciences, Department of Pharmacy (NO)

2015 - Assessment committee member in four International PhD Disputations

2018 - Examiner of 14 master thesis

REVIEWING ACTIVITIES

2024- Editorial board member of European Journal of *Pharmaceutics and Biopharmaceutics* [IF 4.9/SJR 0.9]

2022 - Guest editor for *Pharmaceutics* [IF 6.321/SJR 0.9]-Special Issue "Innovative In Vitro/In Silico Approaches to Drug Permeation and Absorption: The Highway To Implement the 3Rs" (36550 viewers over one-year, 10 published papers, including one paper from Professor Martin Brandl, Professor Carsten Uhd Nielsen and Patrick Augustijns' groups)

2012- Reviewer over 70 scientific manuscripts in highly ranked peer-reviewed international journals

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2023 - Board Member of the Controlled Released Society, CRS, Nordic Chapter

2018 - Member, Research Network "NordicPop-Project #85352 - Nordic POP, Patient Oriented Products"

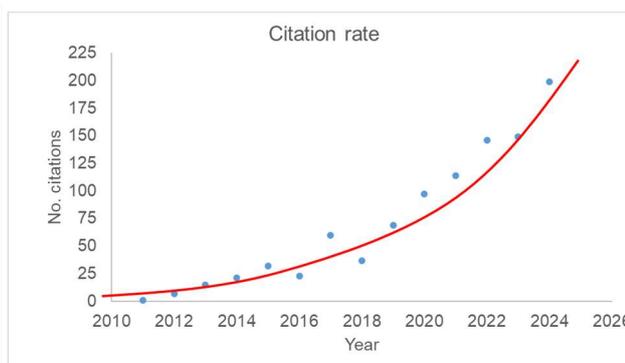
2018 - Member of the Italian Federation of Pharmaceutical Technology "ADRITELF"

PRIZE AND AWARDS

2018 - Best article award 2022 from "European Journal of Pharmaceutical Sciences" for the article of Corazza, E. et al. (2023) <https://doi.org/10.1016/j.ejps.2022.106294>

RECORD

Item	Number
Peer-review article	31
Book chapter	1
Patent	1
H-index	16 (Scopus source, February 2025)
Total citations	1016 (Scopus source, February 2025)



CONFERENCE AND WEBINAR PRESENTATIONS

2009 - I took part to 16 international conferences, where I have been presenting a total of 10 posters and delivered 6 oral presentation (of which one as invited speaker-Plenary lecture). Here below the detailed list of my 5 oral presentations. Moreover, I have been involved in three webinar series.

APPLICATION FOR EXTERNAL FUNDINGS

Since 2013 (when I have been appointed as assistant professor at SDU) up until now I have been able to secure approx. **230.000,00 EUR** in external funding (see Table below). I have been regularly applying to national (e.g., Danish Research Council, the Norwegian Research Council) and European (e.g., ERC) research councils.

	Founded Projects	Type of grant	Institution	Role
2024	The micro diffusimeter (μ Diff): a miniaturized simulator for accelerated drug development	Qualification Grant	Research Council of Norway (NFR)	PI
2023	Development of the DIFFUSIMETER: a new instrumentation that will revolutionize the pharmaceutical industry	Innovation Grant	Growth House UiO	PI
2019	To push the implementation of a new spectroscopic/computational method to solve pharmaceutical relevant problem within the Nordcipop framework	Support for laboratory instrumentation	NordForsk Nordic University Hub project #85352/	PI
2015	"Permeapad™- Collaboration to adapt to a high throughput setting	Proof of Concept	Patent Development office, SDU	CA
2013	New Assay Format for Drug Permeability with Adjustable Biomimetic Properties	Proof of Principle Pre-seed	NovoNordisk found	CA
	Not founded Projects	Type of grant	Institution	Role
2023	Breakthrough: Aqueous Microenvironments are Physical Barriers to Therapeutic Success	Consolidating grant	ERC	PI
2022	Development of a new delivery platform that enables thermostable vaccines	Researcher Project for Scientific Renewal	NFR	PI
2021	Promoting a Rational One Health Approach to the Antibiotic Crisis through Doctoral Network	Innovative Training Network (ITN)	EU-MSCA	PC
2020	Modelling antibiotic translocation through biofilms: a step forward for successful resistance-free antimicrobial therapy	Researcher Project for Scientific Renewal	NFR	PI
2019	Combating antimicrobial resistance through a multidisciplinary training network for innovation in drug development	Innovative Training Network (ITN)	EU-MSCA	PC
2018	A new tool for the optimization of drug Quality by Design (QbD)	Starting Grant	NFR	PI

2017	Understanding the passive transport of drugs through barriers: the role of interface permeability	Starting Grant	ERC	PI
2015	"Smart polymers" for targeted-destruction of malignant hematopoietic cells: a new weapon in blood cancers therapy	Starting Grant	NFR	PI

CA: co-applicant; PI: Principal investigator; PC: Project coordinator; ERC: European Research Council, NFR: Norwegian Research Council; EU-MSCA: Marie Skłodowska-Curie Actions - European Union