



**Kaliroi Peqini**

## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	PEQINI
Name	KALIROI
Date of Birth	23/06/1994

### PRESENT OCCUPATION

Appointment	Structure
Postdoctoral Researcher	Università degli Studenti di Milano Dipartimento di Scienze Farmaceutiche
Principal subjects	Peptide Synthesis Solid Phase synthesis Multi-gram scale synthesis Secondary structure determination of peptides
Supervisor	Prof. Maria Luisa Gelmi

### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
PhD	Double Doctorate - Marie Curie Fellowship	University of Milan & University of Paris Sud	2023
Master (300 ECTS)	Materials Science and Engineering	University of Ioannina	2019

### PAST EXPERIENCE

01/04/2023 - NOW	<b>Postdoctoral Researcher (Assegno di tipo B)</b> Università degli Studi di Milano, Pharmaceutical Sciences
Research Project	'IRON homeostasis in Neuroferritinopathy: unravelling the molecular details of abnormal ferritin functionality (IRONYc)'.



	<p>Peptide Synthesis Secondary Structure characterization Peptide Synthesis Solid Phase synthesis Multi-gram scale synthesis Prof. Maria Luisa Gelmi</p>
<p>Supervisor</p>	
<p>01/03/2020 - 11/07/2023</p>	<p><b>PhD in Pharmaceutical Sciences (XXXV Cycle)</b> PhD Defense: 11/07/2023 Università degli Studi di Milano, Pharmaceutical Sciences Department Part of the European Project TubInTrain <a href="https://www.tubintrain.eu/">https://www.tubintrain.eu/</a> Development of molecular probes acting on Tau/Tubulin and alpha-Synuclein/Tubulin interface Peptide Synthesis Solid Phase synthesis Multi-gram scale synthesis Secondary structure determination of peptides Protein protein interaction <i>In vitro</i> assays Protein purification Prof. Sara Pellegrino</p>
<p>Thesis Title</p> <p>Principal subjects</p>	
<p>Supervisor</p>	
<p>01/09/2021 - 11/04/2022</p>	<p><b>PhD Secondment</b> Université-Paris-Saclay, Faculty of Pharmacy Synthesis of peptidomimetics Unnatural amino acid synthesis</p>
<p>Principal subjects</p>	
<p>Supervisor</p>	<p>Prof. Sandrine Onger</p>
<p>01/12/2018 - 30/06/2019</p>	<p><b>Internship</b> in the terms of Erasmus+ Programme Peptide Synthesis Solid Phase synthesis Secondary structure determination of peptides Basic use of a molecular modeling technique Prof. Alessandro Contini</p>
<p>Principal subjects</p>	
<p>Supervisor</p>	



## FOREIGN LANGUAGES

Languages	level of knowledge
Greek	Mother tongue
Albanian	Mother tongue
English	C1
Italian	C1

## AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2020-2023	PhD Joint Doctorate : 1)Università degli Studenti di Milano Dipartimento di Scienze Farma/ceutiche 2) Université-Paris-Saclay, Faculty of Pharmacy Supervisor: Prof. Sara Pellegrino Co-supervisor: Prof. Sandrine Onger
2018-2019	Internship in the terms of Erasmus+ Programme, under the supervision of Prof. A. Contini.

## TEACHING ACTIVITY IN THE UNIVERSITY

Position and academic year	Teaching assistant of Organic Chemistry I for the academic years: -2020-2021, under the supervision of Dr. Erba -2022-2023, under the supervision of Prof.ssa Pirovano
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## CO-TUTOR MASTER'S AND BACHELOR'S DEGREES

<p>'Solid-Phase peptide synthesis of alpha-Synuclein's protein domains'</p> <ul style="list-style-type: none"><li>- C.d.L.: Corso di Laurea in Biotecnologie</li><li>- Tutor: Prof. Dr. Sara Pellegrino</li><li>- Candidate: Araya Montemurro</li><li>- A.A.: 2019/2020</li><li>-</li></ul> <p>'Ultra-short non aromatic peptides'</p> <ul style="list-style-type: none"><li>- C.d.L.: Biotecnologie del Farmaco</li><li>- Tutor: Prof. Dr. Sara Pellegrino</li></ul>
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- Candidate: Gabriella Zanforlin
- A.A.: 2020/2021

‘Development of peptidomimetics inhibiting the amyloidosis mediated by Gelsolin’

- C.d.L.: Biotecnologie del Farmaco
- Tutor: Prof. Dr. Sara Pellegrino
- Candidate: Luigi Barone
- A.A.: 2020/2021

‘Synthesis of KRT18 domains and analysis of their interaction with pneumococcal serine-rich repeat protein (PsrP)’

- C.d.L.: Chimica e Tecnologia Farmaceutiche
- Tutor: Prof. Dr. Sara Pellegrino
- Candidate: Benedetta Zeloni
- A.A.: 2020/2021

‘Sintesi chimica di una libreria di peptide derivati da  $\alpha$ -sinucleina per studi di affinità con tubulina’

- C.d.L.: Corso di Laurea in Biotecnologie
- Tutor: Prof. Dr. Sara Pellegrino
- Candidate: Davide Pellicani
- A.A.: 2021/2022

‘Sintesi di una libreria di peptide, quali promotori dell’assorbimento attraverso mucose’

- C.d.L.: Corso di Laurea in Biotecnologie
- Tutor: Prof. Dr. Sara Pellegrino
- Candidate: Nicolò Pizzochero
- A.A.: 2021/2022

‘Sintesi di peptidi derivati dalla proteina antifreeze HPLC6 e loro utilizzo nella funzionalizzazione di nanoparticelle d’oro’

- C.d.L.: Corso di Laurea in Biotecnologie
- Tutor: Prof. Dr. Sara Pellegrino
- Candidate: Matteo Adrigò
- A.A.: 2022/2023

‘Sintesi peptidica in fase solida di domini dell’ $\alpha$ -sinucleina e caratterizzazione della loro struttura secondaria’

- C.d.L.: Corso di Laurea in Biotecnologie
- Tutor: Prof. Dr. Sara Pellegrino
- Candidate: Laila Baccaro
- A.A.: 2022/2023

## ORAL COMMUNICATIONS

Date	Title	Place
09/2023	A peptidomimetic approach towards AGel amyloidosis inhibition	Disfarm Insights, Milano, Italy



06/2023	The cycloaddition of sulfonilazides with enamines: an evergreen click reaction on the route of flexible $\beta$ amyloid mimic	XIX CIRP 2023, Reggio Calabria, Italy
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## POSTER COMMUNICATIONS

Date	Title	Place
02/2023	Breaking down and building up alpha-Synuclein: an insight on its binding to tubulin	EPSC 2023, Leeds, England
04/2022	Alpha-Synuclein and Tubulin: An obscure interplay	Synuclein Meeting 2022, Leuven, Belgium

## CONGRESSES AND SEMINARS

Date	Title	Place
03/2020	E-Meeting ESRs presentations with the project manager	ONLINE
04/2020	E-Meeting ESRs presentations with all the network	ONLINE
06/2020	E-Meeting - Lecture by Prof. Dr. Michel O. Steinmetz, Prof. Dr. Karl-Heinz Altmann, Prof. Dr. med. habil. Thomas Arendt - Workshop 1	ONLINE
03-06/06/2020	Virtual EMBO - EMBL Symposium - Microtubules: From atoms to complex systems	ONLINE
07/2020	A series of webinars "Marine Drugs. An Approach on Viruses by the International Summer School on Natural Products 2020"	ONLINE
09/2020	E-Meeting ESRs presentation - state of art	ONLINE
09/2020	Write About Science (WAS) workshop	ONLINE
12/2020	Storytelling and Stagecraft for Researchers	ONLINE
03/2021	E-Meeting with prof. Nogales de La Morena	ONLINE
03/2021	Live Cell Imaging Training school	ONLINE
04/2021	MID-TERM Meeting with project officer	ONLINE
10/2021	Protein aggregation in neuronal diseases - Workshop 3	ONLINE
02/2022	Computational Chemistry Workshop 5	Strasbourg, France
04/2022	Synuclein Meeting	Leuven, Belgium



06/2022	IOPC 2022	Milan, Italy
02/2023	EPSC 2023	Leeds, England
06/2023	XIX CIRP 2023	Reggio Calabria, Italy
10/2023	“Tuning Tubulin Dynamics and Interactions to Face Neurotoxicity: a Multidisciplinary Approach for Training and Research”	San Sèrvolo, Venice, Italy

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

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Place and date: \_\_\_\_\_Milano\_\_\_\_\_, \_\_\_\_\_15/02/2023\_\_\_\_\_