

PERSONAL INFORMATION

Mattia Mori

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Sex Male | Date of birth 26/12/1979 | Nationality Italian

SCIENTIFIC QUALIFICATION

- | | |
|---------------------------------|--|
| 4 October 2022 – 4 October 2032 | National Qualification (Abilitazione Scientifica Nazionale) as Full Professor in Medicinal Chemistry, sector 03/D1 (CHIMICA E TECNOLOGIE FARMACEUTICHE, TOSSICOLOGICHE E NUTRACEUTICO-ALIMENTARI) |
| 31 March 2017 – 31 March 2023 | National Qualification (Abilitazione Scientifica Nazionale) as Associate Professor in Medicinal Chemistry, sector 03/D1 (CHIMICA E TECNOLOGIE FARMACEUTICHE, TOSSICOLOGICHE E NUTRACEUTICO-ALIMENTARI) |
| 2005 (1 st session) | Qualified Pharmacist at the University of Florence |

WORK EXPERIENCE

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|------------------------------|---|
| August 2021 - present | <i>Associate Professor in Medicinal Chemistry (SSD 03/D1, CHIM08)</i>
University of Siena – Department of Biotechnology, Chemistry and Pharmacy, via Aldo Moro 2, 53100 Siena, Italy
<i>Business or sector</i> Public university |
| August 2018 – July 2021 | <i>Senior Researcher (L. 240/2010 Art. 24 – b)</i>
University of Siena – Department of Biotechnology, Chemistry and Pharmacy, via Aldo Moro 2, 53100 Siena, Italy
▪ Research title: "Design and optimization of small molecule inhibitors of non-canonical targets of HIV-1 and <i>Mycobacterium tuberculosis</i> , particularly oriented to overcome drug resistance"
<i>Business or sector</i> Public university |
| November 2017 – July 2018 | <i>Researcher</i>
IIT – Istituto Italiano di Tecnologia – Center for Life Nano Science of Rome (CLNS@Sapienza), viale Regina Elena 291, 00161 Roma – Italy.
▪ Research title: "Identification, optimization and development of small molecules as candidate therapeutics against cancers that depend from signaling pathways involved in proliferation and differentiation of cancer stem cells". Scientific Coordinator: professor Giancarlo RUOCCO
<i>Business or sector</i> Research Institute |
| November 2012 – October 2017 | <i>Post-doc</i>
IIT – Istituto Italiano di Tecnologia – Center for Life Nano Science of Rome (CLNS@Sapienza), viale Regina Elena 291, 00161 Roma – Italy. |

- Research title: "Identification of novel drug candidates that target specifically the Hedgehog and Notch signalling pathways to be used in the treatment of brain tumors". Scientific Coordinator: professor Giancarlo RUOCCO.

Business or sector Research Institute

September 2013 – August 2016

Post-doc

University of Siena – Department of Biotechnology, Chemistry & Pharmacy, viale A. Moro 2, 53019 Siena – Italy

- Research Contract to work at the FP7 project THINPAD (Targeting the HIV-1 Nucleocapsid Protein to fight Antiretroviral Drug Resistance) – Grant Agreement 601969. Previous active participation in writing and negotiation of the project proposal. Scientific coordinator: Prof. Maurizio BOTTA
- Role: Task Leader in WP2 (Hits selection and hits/leads optimization).

Business or sector Public university

November 2011 – October 2012

Post-doc

University of Roma – La Sapienza, Dipartimento di Chimica e Tecnologie del Farmaco, Piazzale Aldo Moro 5, 00185 Roma – Italy

- Research assistant (Assegno di Ricerca) in the group of prof. Bruno BOTTA, Dipartimento di Chimica e Tecnologie del Farmaco. Research title: "Identification of a Second Generation of Hedgehog Inhibitors through Virtual Library Design"

Business or sector Public university

October 2009 – October 2011

Post-doc

University of Roma – La Sapienza, Dipartimento di Chimica e Tecnologie del Farmaco, piazzale Aldo Moro 5, 00185 Roma – Italy

- Post-doctoral fellow in the laboratory of prof. Bruno BOTTA. Research title: "Targeting signaling pathways involved in stem cell self-renewal and differentiation: basic and translational aspects"

Business or sector Public university

January 2005 – December 2005

Junior Scientist

ProtEra Srl, viale delle Idee n.22, Scientific Campus of the University of Florence. Biotech Spin-off focused on Drug Discovery

- Discovery and optimization of matrix metalloproteinases (MMPs) inhibitors using in silico/in vitro approaches.

Business or sector SME

EDUCATION AND TRAINING

January 2006 – January 2009

International Ph.D degree in Structural Biology

CERM – Magnetic Resonance Center of the University of Florence, in collaboration with the University of Frankfurt and the University of Utrecht.

TUTOR: Prof. Ivano BERTINI

- Thesis title: Drug Design Approaches for the Identification of New Protein-Interacting Compounds

September 1998 – December 2004

Five-year degree (Laurea Specialistica a ciclo unico – classe 14S) in Chimica e Tecnologia Farmaceutiche (CTF)

University of Florence, Faculty of Pharmacy.

TUTOR: Prof. Cristina NATIVI; CO-TUTOR: Prof. Stefano MENICHETTI

- Thesis title: Synthesis and Reactivity of α,α' -dioxothione derivatives supported on solid phase
- FINAL MARK: 110/110 *cum laude*

COMMITTEES & MEMBERSHIP

2024-present	Member of the American Chemical Society (ACS).
2020-present	Member of the Organizing Committee of the International Summer School on Natural Products (ISSNP).
2020-present	Member of The International Natural Product Sciences Taskforce (INPST).
2019-present	Member of the Organizing Committee of the "Advanced school on carbohydrate chemistry" http://www.chimica-dei-carboidrati.it/scuola-avanzata-di-chimica-dei-carboidrati-xvii-cscc-2020.html
2019-present	Board member of the PhD School in Chemical and Pharmaceutical Sciences of the University of Siena
2018-present	Member of the Organizing Committee of the European Workshop in Drug Design (EWDD).
2018-2022	Management Committee substitute in COST Action CA18238 – European transdisciplinary networking platform for marine biotechnology.
2017-present	Member of the Italian Chemical Society (SCI), division of medicinal chemistry (chimica farmaceutica).
2016-2020	Management Committee Member in COST Action CA15138 – European Network of Multidisciplinary Research and Translation of Autophagy knowledge (TRANSAUTOPHAGY).
2015-2019	Management Committee Member in COST Action CM1407 – Challenging organic syntheses inspired by nature - from natural products chemistry to drug discovery.

SCIENTIFIC PUBLICATIONS & Editorial Activity

Prof. Mori is author of more than 160 scientific publications in peer-reviewed journals, 4 book chapter, 6 patent applications.
h-index = 33

Co-Editor of Current Pharmaceutical Design
EB member of journal in the medicinal chemistry and drug discovery field.
Guest Editor of 8 Special Issues

GRANTED PROJECTS (in the last 5 years)

Framework and year	HORIZON-MSCA-2022-PF-01
Title	"Druggability of G-quadruplexes, promising modulators for antimicrobial resistance (The G-Q-reat ESKAPE)"
Role	PI – supervisor
Framework and year	Italian Ministry of Education and Research (MUR) – PRIN-PNRR-2022
Title	Screening and optimization of nature-inspired ligands to target microbial G-quadruplexes – G4MICRONAT, Project code: P2022BWS27_002
Role	Responsible of Research Unit
Framework and year	Italian Cystic Fibrosis Research Foundation FFC2022
Title	"Esculentin-derived peptides as novel therapeutic agents with antimicrobial and CFTR potentiator activities to address cystic fibrosis lung disease"
Role	Partner – responsible of research unit
Framework and year	Italian Ministry of Education and Research (MUR) – PRIN-2022
Title	Structural and functional insights into hCA/Gli1 multitarget inhibitors for efficient targeting of cancer cells and hypoxic niches, Project code: 2022CBRZH3

Role	Responsible of Research Unit
Framework and year	COST Association
Title	CA21145 - European Network for diagnosis and treatment of antibiotic-resistant bacterial infections (EURESTOP)
Role	Chair
Framework and year	Italian Cystic Fibrosis Research Foundation FFC2021
Title	"Pharmacological inhibition of colistin resistance in Gram-negative cystic fibrosis pathogens"
Role	Partner – responsible of research unit

AWARDS

- 2018 Nvidia GPU Grant
- 2018 Winner of the young medicinal chemist meeting in Italy and invited talk at the 5th EFMC Young Medicinal Chemistry Symposium (YMCS2018)
- 2018 Winner of the 2018 Award by the Medicinal Chemistry Division of the Italian Chemical Society
- 2015 ACS Medicinal Chemistry Letter Editor's choice mark for the paper entitled "*Exploring Oxidovanadium(IV) Complexes as YopH Inhibitors: Mechanism of Action and Modeling Studies*".
- 2015 ACS Medicinal Chemistry Letters Cover page for the paper entitled "*Exploring Oxidovanadium(IV) Complexes as YopH Inhibitors: Mechanism of Action and Modeling Studies*".
- 2010 EMBO fellowship to attend the EMBO practical course in Biomolecular Simulations, Pasteur Institute, Paris, France.

