

Simona Rapposelli

Contact Information:

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Personal Information

City, Country of Birth: Lucca, Italy
Citizenship: Italian
Languages: Italian, English,

Education

1999: Degree in CTF (Chimica e Tecnologie Farmaceutiche), University of Pisa, Italy,
2003: PhD in Drug design and discovery

Appointments/Affiliations

- 2017 Licence as Full Professor in Medicinal chemistry
- 2015 Associate Professor, Department of Pharmacy, University of Pisa
- 2014 Visiting Professor, Dept. of Pharmaceutical Science, Sun Yat-Sen University, Guangzhou, China
- 2007 Assistant Professor, Department of Pharmaceutical Science, University of Pisa
- 2003 Research Associate in the Medicinal Chemistry Laboratory at the University of Pisa
- 2003 PhD in Drug Discovery, Univ. of Pisa.

2. AWARD AND FELLOWSHIPS:

- 2023 Winners of the context "Super Sapiens Day Factory" 3th Ed. Call of Scientifica Venture Capital for a startup creation.
- 2020 Sofinnova-Telethon Partners on Life Sciences: passed to second stage (not retained for funding)
- 2017 GSK Discovery Partnerships with Academia: passed to second stage (not retained for funding).
- 2013 Young Researcher Award (University) by Univ. of Pisa (< 40)
- 2013 Certificate of merit by Special Committee (Pari Opportunità – Unipi)
- 2011 Young Researcher Award by Univ. of Pisa, for young chemistry researcher (< 40)
- 2011 Certificate of Appreciation from ACS Publications
- 2009 Awarded with "Farmindustria Award" by Farmindustria and SCI - Divisione Chimica Farmaceutica

PATENTS

1. Patent n° WO2023001942A1. Publication date: 26.01.2023.
2. Patent n° US2022227698A1 Publication date: 21.07.2022.
3. Patent n° EP3969436A1. Publication date: 23.03.2022.
4. US Patent n° US2021070730A1. Publication date:11.03.2021.
5. Patent n° WO2020229014A1. Publication date: 10.03.2020.
6. Patent n° IT201900018893A1. Publication date: 15.04.2019.

7. US Patent n° US2019160049A1. Publication date: 30.05.2019.
8. Patent n° WO2019129403A1. Publication date: 04.07.2019.
9. Patent n° EP3307726A1 Publication date 18.04.2018.
10. US Patent n° US2018155320A1. Publication date: 07.06.2018.
11. US Patent n° US10016444B2. Publication date: 10.07.2018.
12. Brazil Patent n° BR112017009613A2. Publication date: 19.12.2017.
13. Patent n°: WO2017211946A1 Publication date: 14.12.2017.
14. Patent n°: EP3204002A1. Publication date: 16.08.2017.
15. Patent n° WO2016055454A1. Publication date: 14.04.2016.
16. Patent n° WO2016071863A1. Publication Date: 12.05.2016.
17. Patent n°: WO2015151068A1. Publication date: 08.10.2015..
18. Patent n°: CN104860847A. Publication date: 26.08.2015.
19. Patent n°: US20090093493A1. Publication date 09.04.2009.
20. Patent n° WO2008007210A2. Publication date: 17.01.2008.
21. Patent n° WO2008017925A2. Publication date: 14.02.2008.

3. SCIENTIFIC IMPACT AND PRODUCTION

- >140 articles in ISI peer-reviewed journals (published or in press)
- 21 patents + 4 Chapters of books
- more than 150 congress communications.
- h-index: 33 (from Scopus database); 38 (from Google Scholar)
- 3387 total citations (Scopus 18th January 2024); 4420 (from Google Scholar 18th January 2024).

4. FUNDING ID

- 2024 AIRC- IG Potential therapeutic application of a novel class of thyromimetics in NAFLD-associated HCC –End Date: 31.12.2029. Role: Participant
- 2023 PRIN2022 PNRR (P2022T4NJE) LS7- End Date 2025 Role.: Coordinator
- 2022 "THE - Tuscany Health Ecosystem" – Spoke 2 - Preventive and Predictive Medicine Role: PARTECIPANT
- 2021 TELETHON GRANT PROJECT End date 2024. Role: Participant
- 2020 Ricerca Salute 2018 grant from Regione Toscana. End date: 2023. Role: Unit Resp.
- 2019 PRIN 2017 grant from the Italian Ministry of Research. End date: 2022. Role: Participant
- 2019 Dimostratori Tecnologici grant from Univ. of Pisa. End date: 2020. Role: P.I.
- 2018 POR-FSE 2017 Regione Toscana. End date: 2020. Role: P.I.
- 2015 PRA2016 grant from University of Pisa. End date 2016. Role: Participant
- 2013 MAECI ITALIA-CINA grant from the Italian Ministry of Foreign Affairs. End date 2015. Role: Co-Investigator
- 2012 Futuro in Ricerca grant from MIUR. End date: 2015. Role: Unit Resp
- 2011 PRIN2010 grant from the Italian Ministry of Research. End date: 2013. Role: Unit Resp.

5. TECHNICAL SKILLS AND COMPETENCES:

She has >20 years of experience in research projects focused on the design and development of novel chemical entities for several diseases. Since 2010, Prof. Rapposelli has been independently initiating research projects and leading a drug design and discovery team. She led a MedChem team which is recognized by its multidisciplinary expertise spawned over the fields of drug discovery and other pharmaceutical sciences. The group led several projects for the development

of novel chemical entities for neurodegenerative disorders, cancer, and hepatic diseases. Cooperates with several national and international research groups, spin-off, and SMEs in the research of new lead-compounds. The MedChem team will perform the design and synthesis of the novel chemical entities and the in vitro evaluation of several DMPK properties. Editorial Board member As Associate Editor at Frontiers in Chemistry, Frontiers in Pharmacology, Frontiers in Oncology; Scientific Reports and as Section Board Member at MDPI-Molecules. Member of CISUP Facility, (a UNIPI Center which shares instrumentation facilities and services for X-ray crystallography, microscopy technique with the assistance of dedicated staff). Organizer of the International Workshop Accelerating the Drug Discovery Process (ADDP2019 and ADDP2023). Selected reviewer for several research programs: the Portuguese Foundation for Science and technology (FCT), the Croatian Science Foundation research, PRIN and Futuro in Ricerca Projects (MIUR-Italy). Reviewer for different international scientific journals (JMC, Eur J Med Chem, Molecules, Antioxidants, Drug design and Discovery, Bioorganic Chemistry, Bioorg. Med Chem)

6. OTHER EXPERIENCE AND PROFESSIONAL MEMBERSHIPS

2025 Reviewer proposal for RIF's OPEN INFRA/0625 Call
2024 Reviewer project "CAMPANIA STARTUP 2023",
2023 Reviewer RESTART 2016-2020 Programmes for Research, Technological Development and Innovation. Cyprus Research and Innovation Foundation (RIF) SMALL SCALE INFRASTRUCTURES
2023 Reviewer proposal POR FESR 2014-2020 (REGIONE UMBRIA)
2022 Revisore "Monitore" di n. 1 progetti approvati e finanziati a valere sulla L.R. 13/2008, art. 4
-2021 Editor of Research topic in Frontier in Oncology (ISSN 2234943X)- Section Pharmacology of anticancer drugs)
-2020 Editor of Research Topic in Frontier in Chemistry (ISSN 22962646)- Section Medicinal and Pharmaceutical Chemistry
-2020 Co-Guest Editor of Molecules (ISSN 1420-3049) - Section: Organic Chemistry
-2019 Special Issue Editor of Molecules (ISSN 1420-3049 – Section: Medicinal Chemistry.
-2016 Member of MuTaLig COST Action (CA15135)
-2016 Member of American Chemical Society (ACS)- Division of Medicinal Chemistry
-2015 Member of Technical Program Committee of ICBMC 2016, Singapore.
-2014 Member of Tech Committee on the Int. Conference on Pharm Sciences (ICPS2015), Dubai
-2013 Member of Technical Committee for the SCDDD2014, Dubai
-2011 Guest Editor of Current Topics in Medicinal Chemistry (ISSN 1568-0266)
-2010 Invited Editor for the book Multifunctional Drugs; [ISBN 978-81-7895-495-0].
-2000 - Member, Italian Division of Medicinal Chemistry (SCI)

7. PARTICIPATION IN EVALUATION COMMITTEES AND COMMISSIONS

2025 Evaluator for Project proposal submitted to the Call for Fundamental and Applied Research Projects of the Latvia Council of Science
2025 Evaluator for proposal submitted to HORIZON-EIC-2025-PATHFINDEROPEN
2023 Evaluator of Research proposals SMALL SCALE INFRASTRUCTURES submitted under **RESTART 2016-2020 Programmes for Research, Technological Development and Innovation. (Cyprus Research and Innovation Foundation (RIF))**
2023 Member of **Technical Committee** to monitor the physical progress of funded project submitted to **POR FESR 2014-2020**. (Regione Umbria)

- 2022 Member of **Technical Committee** assessing the eligibility of proposals submitted to the call: Avviso Pubblico 2016 "GRUPPI DI RICERCA", **REPRISE LS4 - LS5 - LS6 - LS7 (Regione Lazio)**
- 2022 Reviewer PhD thesis - Scienze Biotechnologiche, Biocomputazionali, Farmaceutiche e Farmacologiche Ciclo 34° Università di Bologna
- 2022 Member of Technical Committee **RESTART 2016 – 2020 Programme Research, Technological Development and Innovation CODEVELOP-ICT-HEALTH PROGRAMMES**
- 2022 Reviewer grant proposals for **MISSION ORIENTED INTERDISCIPLINARY RESEARCH PROJECT** – Università di Modena e Reggio Emilia
- 2021 Member of **Technical Committee** to monitor the physical progress of funded proposals submitted to the call L.R. 13/2008 art. 4 – Avviso Pubblico 2016 “Gruppi di Ricerca” nell’ambito dei Settori di Ricerca **REPRISE LS4 - LS5 - LS6 - LS7 (Regione Lazio)**.
- 2021 Member of Technical Committee **RESTART 2016-2020 WORK PROGRAMME -Research & Innovation FOUNDATION EXCELLENCE HUBS (BRIDGE PROGRAMMES)**
- 2021 Reviewer **VQR 2015-19**
- 2021 Reviewer PhD thesis “PhD Program in Drug Discovery and Development XXXIII Cycle” – Università degli Studi di Salerno
- 2019 Reviewer PhD School in Biochemistry and Molecular Biology” – XXXi cycle University of Siena
- 2019 Member of **Technical Committee** to monitor the physical progress of funded proposals submitted L.R. 13/2008 Ediz 2014 “Gruppi di Ricerca” – Regione Lazio – Settore di Ricerca **Reprise LS7**
- 2018 Member of **Technical Committee** to monitor the physical progress of funded proposals submitted “L.R. 13/2008 Art.4 Avviso Pubblico 2014” -Regione Lazio - Settore di Ricerca **Reprise LS4, LS5, LS6, LS7**
- 2018 Reviewer proposals submitted to "Interventi di sostegno alla ricerca" - Regione Autonoma della Sardegna
- 2017 Reviewer **Joint Projects 2017** - Università di Verona
- 2017 Member of **Technical Committee** assessing the eligibility of proposals submitted to the call “ L.R. 13/2008 Art4 Gruppi di Ricerca della Regione Lazio - Settore di Ricerca **Reprise LS4, LS5, LS6, LS7**
- 2016 Reviewer **PRIN 2015** Ministero dell'Istruzione, dell'Università e della Ricerca
- 2016 Reviewer **VQR 2011-2014**
- 2016 External Reviewer research projects **OPUS - NATIONAL SCIENCE CENTRE, POLAND**
- 2015 External Reviewer **CROATIAN SCIENCE FOUNDATION: LIFE & SCIENCES 2015**
- 2014 **TPC Member** of International Conference on Pharmaceutical Sciences (ICPS2015) Dubai January 21-23, 2015
- 2014 **TPC Member** International Workshop on Chemical Science and Pharmaceutical Research (CSPR2014) Beijing 25-28 September 2014
- 2013 **TPC Member** “3th ScienceOne Conference on Drug Discovery and Development (SCDDD2014)” in Dubai, 21-23 January 2014
- 2013 Reviewer **PRIN2012** Ministero dell'Istruzione, dell'Università e della Ricerca
- 2013 Reviewer **FUTURO IN RICERCA 2013** (preselection) Ministero dell'Istruzione, dell'Università e della Ricerca.
- 2012 External Reviewer **PORTUGUESE FOUNDATION FOR SCIENCE AND TECHNOLOGY (FCT):Life&Health Sciences 2012**