PERSONAL INFORMATION

Luca Sancineto

Via della Montagnola, 24, 06135 Perugia (Italia)

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sancinet@cbmm.lodz.pl

Sex Male | Date of birth 17/06/1981 | Nationality Italian

WORK EXPERIENCES

From November 29th, 2022 to now

Associate Professor in Organic Chemistry

Organic Chemistry Section of the Department of Pharmaceutical Sciences, University of Perugia, via del liceo, 1, 06100 Perugia (Italia). https://www.unipg.it/personale/luca.sancineto

- Organic synthesis of selenorganic compounds, investigations of the bioorganic mechanism behind the biological activity of selenorganic compounds.

Business or sector Organic synthesis, NMR Spectroscopy, Biological activity

From November 29th, 2019 to November 28th 2022

Researcher L 240/2010 lett b)

Organic Chemistry Section of the Department of Pharmaceutical Sciences, University of Perugia, via del liceo, 1, 06100 Perugia (Italia). https://www.unipg.it/personale/luca.sancineto

- Organic synthesis of selenorganic compounds, investigations of the bioorganic mechanism behind the biological activity of selenorganic compounds.

Business or sector Organic synthesis, NMR Spectroscopy, Biological activity

From June 1st, 2017 to May 31st 2019

Researcher Fellow

Organic Chemistry Section of the Centre of Moleculear and Macromolecular Studies Polish academy of Science, Sienkiewicza 112, 90-363 Łódź (Poland). https://www.cbmm.lodz.pl ***Marie Curie Fellow***

- Investigations of weak interactions between Selenium-containing compounds and biologically relevant metals; design and synthesis of antineoplastic agents; development of green synthetic procedures.

Business or sector Organic synthesis, Spectroscopy, Medicinal Chemistry

From November 7th 2016 to May 31th 2017

PostDoc

Organic Chemistry Section of the Department of Pharmaceutical Sciences, University of Perugia, via del liceo, 1, 06100 Perugia (Italia). http://www.dsf.unipg.it ***C.I.N.M.P.I.S Fellow***

- Synthesis of selenorganic compounds to control inflammation and infections in the context of cystic fibrosis.

Business or sector Organic synthesis

From November 1st 2014 to November 30th 2015

PostDoc

Organic Chemistry Section of the Department of Pharmaceutical Sciences, University of Perugia, via del liceo, 1, 06100 Perugia (Italia). http://www.dsf.unipg.it

- Bioispired catalysts for the development of green oxidative procedures

Business or sector Organic synthesis

From March 1st 2013 to July 31st 2014

PostDoc

Organic Chemistry Section of the Department of Pharmaceutical Sciences, University of Perugia, via del liceo, 1, 06100 Perugia (Italia). http://www.dsf.unipg.it ***C.I.N.M.P.I.S Fellow***

- Design and synthesis of selenorganic derivatives as anti-HIV agents. New catalytic reactions in oxidative processes.

Business or sector Organic synthesis

From May 1st 2012 to February 28th 2013

Pharmacist

Vescovi Dott. Brajo, via Mons. Cicioni, 7v, 06052 Marsciano (Italia).

- Distribution of medicaments, CUP reservation, galenicals.

Business or sector Pharmaceutical

From December 1st 2011 to April 30th 2012

Fellow, Medicinal Chemistry Lab

Medicinal Chemistry Section of the Department of Pharmaceutical Sciences, University of Perugia, via del liceo, 1, 06100 Perugia (Italia). http://www.dsf.unipg.it

- Design and synthesis of antivirals.

Business or sector Medicinal Chemistry

From November 1st 2008 to November 30th 2011

PhD Student

Medicinal Chemistry Section of the Department of Pharmaceutical Sciences, University of Perugia, via del liceo, 1, 06100 Perugia (Italia). http://www.dsf.unipg.it

- Design and synthesis of novel and innovative anti-HIV agents

Business or sector Medicinal Chemistry

From March 1st 2010 to July 31st 2010

Laboratory assistant

Faculty of Pharmacy, University of Perugia, via del liceo, 1, 06100 Perugia (Italia). http://www.dsf.unipg.it

- Laboratory Assistant for the Course of "Analisi dei Medicinali II" in the frame of Chemistry and Technology of Drugs Master Degree Course - Department of Pharmaceutical Sciences

Business or sector Drug Analysis

From March 1st 2009 to July 31st 2009

Laboratory assistant

Faculty of Pharmacy, University of Perugia, via del liceo, 1, 06100 Perugia (Italia). http://www.dsf.unipg.it

- Laboratory Assistant for the Course of "Analisi dei Medicinali IV" in the frame of the Pharmacy Master Degree Course Course - Department of Pharmaceutical Sciences

Business or sector Drug Analysis

From August 1st 2009 to October 31st 2009

Visiting Assistant Researcher

Molecular virology section of the International Centre of Genetic Engineer and Biotecnology (ICGEB), AREA Science Park, Padriciano 99, 34149 Trieste (Italia). http://www.icgeb.org/ts-home.html

- Biological evaluation of compounds able to inhibit kinases

Business or sector Molecular virology.

EDUCATION AND TRAINING

September 2018 — **Habilitation as Associate Professor** — 8

03/C1 Organic Chemistry

- Italian Minister of Instruction, University and Research

October 2018 — **Habilitation as Associate Professor** — 8

03/D1 Medicinal Chemistry

- Italian Minister of Instruction, University and Research

February 2012 — **PhD** — 8

University of Perugia, via del liceo, 1, 06100 Perugia (Italia).

- Medicinal Chemistry, Organic Chemistry and Biochemistry

March 2008 — **Degree in Pharmacy** — 7

University of Perugia, via del liceo, 1, 06100 Perugia (Italia).

Summa cum laude

July 2000 — **High School Diploma** — 6

Liceo Scientifico E. Mattei, Via Schiavello, 18, 87012 Castrovillari (Italia)

75/100

PERSONAL SKILLS

Mother tongue(s): Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills
- Good communication skills gained through the experience in teaching at university and conferences

Organisational / managerial skills
- Leadership gained during the Polonez2 project where I managed a group composed of a full time and a part time PostDocs

Job-related skills
- Good command of organic chemistry and medicinal chemistry processes. Skills in drug design, organic synthesis and drug analysis, with special emphasis on NMR spectroscopy.

Computer skills
- Good command of Microsoft Office™ tools, IOs environment, chemistry programs such as ChemBio draw and ACD labs.

Driving licence
- B

ADDITIONAL INFORMATION

List of publications

1. Tabarrini, O.; Massari, S.; **Sancineto, L.**; Daelemans, D.; Sabatini, S.; Manfroni, G.; Cecchetti, V.; Pannecouque, C. Structural investigation of the naphtyridone scaffold: identification of a 1,6-naphtyridone derivative with potent and selective anti-HIV activity. *ChemMedChem.* **2011**, *6*, 1249-1257.
2. **Sancineto, L.**; Massari, S.; Iraci, N.; Tabarrini, O. From small to powerful: the fragment universe and its "chem-appeal". *Curr. Med. Chem.* **2013**, *20*, 1355-1381.
3. Massari, S.; Mercorelli, B.; **Sancineto, L.**; Sabatini, S.; Cecchetti, V.; Gribaudo, G.; Palù, G.; Pannecouque, C.; Loregian, A.; Tabarrini, O. Design, Synthesis, and Evaluation of WC5 Analogues as Inhibitors of Human Cytomegalovirus Immediate-Early 2 Protein, a Promising Target for Anti-HCMV Treatment. *ChemMedChem.* **2013**, *8*, 1403-1414.
4. Sabatini, S.; Gosetto, F.; Iraci, N.; Barreca, M. L.; Massari, S.; **Sancineto, L.**; Manfroni, G.; Tabarrini, O.; Dimovska, M.; Kaatz, G. W.; Cecchetti, V. Re-evolution of the 2-Phenylquinolines: Ligand-Based Design, Synthesis, and Biological Evaluation of a Potent New Class of Staphylococcus aureus NorA Efflux Pump Inhibitors to Combat Antimicrobial Resistance. *J. Med. Chem.* **2013**, *56*, 4975-4989.
5. **Sancineto, L.**; Iraci, N.; Massari, S.; Attanasio, V.; Corazza, G.; Barreca, M.L.; Sabatini, S.; Manfroni, G.; Avanzi, N. R.; Cecchetti, V.; Pannecouque, C.; Marcello, A.; Tabarrini, O. Computer-Aided Design, Synthesis and Validation of 2-Phenylquinazolinone Fragments as CDK9 Inhibitors with Anti-HIV-1 Tat-Mediated Transcription Activity. *ChemMedChem.* **2013**, *8*, 1941-1953.
6. Massari, S.; Nannetti, G.; Goracci, L.; **Sancineto, L.**; Muratore, G.; Sabatini, S.; Manfroni, G.; Mercorelli, B.; Cecchetti, V.; Facchini, M.; Palù, G.; Cruciani, G.; Loregian, A.; Tabarrini, O. Structural investigation of cycloheptathiophene-3-carboxamide derivatives targeting influenza virus polymerase assembly. *J Med Chem.* **2013,** *56*, 10118-10131.
7. Santoro, S.; Braun Azeredo, J.; Nascimento, V.; **Sancineto, L.;** Braga, A.L.; Santi, C. The Green Side of the Moon: ecofriendly aspects of organoselenium chemistry. *RSC Adv.*, **2014**, *4*, 31521–31535.
8. **Sancineto, L.**; Iraci, N.; Barreca, M.L.; Massari, S.; Marcello, A.; Daelemans, D.; Pannecouque, C.; Tabarrini, O. Exploiting the Anti-HIV 6-Desfluoroquinolones to Design Multiple Ligands. *Bioorg. Med. Chem.* **2014**, 22, 4658–4666. ***Most Accessed Article of 2014***.
9. Tidei, C.; **Sancineto, L.**; Bagnoli, L.; Battistelli, B.; Marini, F.; Santi, C. A Recyclable Biphasic System for Stereoselective and Easily-Handle Hydrochalcogenations. *Eur. J. Org. Chem.* **2014**, 5968–5975.
10. Nascimento, V:; Ferreira, N. L.; Canto, R. F.; Schott, K. L.; Waczuk, E. P.; **Sancineto, L.**; Santi, C.; Rocha, J. B.; Braga, A. L. Synthesis and biological evaluation of new nitrogen-containing diselenides. *Eur. J. Med. Chem.* **2014**, *87*, 131-139.
11. **Sancineto, L.**; Tidei, C.; Bagnoli, L.; Marini, F.; Lenardao, E. J.; Santi, C. Selenium Catalyzed Oxidation of Aldehydes: Green Synthesis of Carboxilic Acids and Esters. *Molecules* **2015**, *20*, 10496-10510.
12. Bartolini, D.; Commodi, J.; Piroddi, M.; Incipini, L.; **Sancineto, L.**; Santi, C.; Galli, F. Glutathione S-transferase pi expression regulates the Nrf2-dependent response to hormetic diselenides. *Free Rad. Biol. Med.* **2015**, *88*, 466-480.
13. Achibat, A.; Alomari, N.; Messina F.; **Sancineto, L.**; Khouili, M.; Santi, C.; Organoselenium Compounds as Phytochemicals from the Natural Kingdom. *Nat. Prod. Comm.* **2015**. *10*, 1885-1892.
14. Palomba, M.; Bagnoli, L.; Marini, F.; Santi, C.; **Sancineto, L**. Recent Advances in the Chemistry of Vinyl chalcogenides. *Phosphorus Sulfur* **2016,** *191,* 235-244.
15. **Sancineto, L.**; Palomba, M.; Bagnoli, L.; Marini, F.; Santi, C. Advances in Electrophilic Organochalcogen Reagents. *Curr. Org. Chem.* **2016**. *20*, 122-135.
16. **Sancineto, L.**; Mariotti, A.; Bagnoli, L.; Marini, F.; Desantis, J.; Iraci, N.; Santi, C.; Pannecouque, C.; Tabarrini, O. Design and Synthesis of DiselenoBisBenzamides (DISeBAs) as Nucleocapsid Protein 7 (NCp7) Inhibitors with anti-HIV Activity. *J. Med. Chem.* **2015**. *58*, 9601-9614.
17. Palomba, M.; Rossi, L.; **Sancineto, L.**; Tramontano, E.; Corona, A.; Bagnoli, L.; Santi, C.; Pannecouque, C.; Tabarrini, O.; Marini, F., A new vinyl selenone-based domino approach to spirocyclopropyl oxindoles endowed with anti-HIV RT activity. *Org. Biomol. Chem.* **2016**, 14, 2015-2024.
18. J. Pacula, A.; Mangiavacchi, F.; **Sancineto, L.**; Lenardao, E. J.; Scianowski, J.; Santi, C., An Update on Selenium Containing Compounds from Poison to Drug Candidates: A review on the GPx-like Activity. *Curr. Chem. Biol.* **2015**, 9, 97-112.
19. Monti, B.; Santi, C.; Bagnoli, L.; Marini L.; **Sancineto, L**. Zinc chalcogenates as green reagents. *Curr. Green Chem.* **2016**, 3, 68-75.
20. Boualy, B.; El Houssame, S.; **Sancineto, L.**; Santi, C.; Ait Ali, M.; Stoeckli-Evans, H.; El Firdoussi, L., A mild and efficient method for the synthesis of a new optically active diallyl selenide and its catalytic activity in the allylic chlorination of natural terpenes. *New J. Chem.* **2016**, *40,* 3395-3399.
21. Santi, C.; **Sancineto, L.**, Editorial (Thematic Issue: Organochalcogens in Green Chemistry). *Current Green Chemistry* **2016**, 3, 3-3.
22. **Sancineto, L.**, Tidei, C., Bagnoli, L., Marini, F., Lippolis, V., Arca, M., Lenardao, E.J., Santi, C. Synthesis of Thiol Esters Using PhSZnBr as Sulfenylating Agent: A DFT–Guided Optimization of Reaction Conditions. *Eur. J. Org. Chem.* **2016**, 2999–3005.
23. Bellino, G.; Scisciani, M.; Vargas, J. P.; **Sancineto, L.**; Bagnoli, L.; Marini, F.; Lüdtke, D. S.; Lenardao, E. J.; Santi, C., Reaction of Acyl Chlorides

withIn SituFormed Zinc Selenolates: Synthesis of SelenoestersversusRing-Opening Reaction of Tetrahydrofuran. *Journal of Chemistry* **2016**, 2016, 1-8.

24. **Sancineto, L.**; Piccioni, M.; De Marco, S.; Pagiotti, R.; Nascimento, V.; Braga, A. L.; Santi, C.; Pietrella, D. Diphenyl diselenide derivatives inhibit microbial biofilm formation involved in wound infection. *BMC microbiology* **2016**, 16, 220.
25. Tomassini, C.; Di Sarra, F.; Monti, B.; **Sancineto, L.**; Bagnoli, L.; Marini, F.; Santi, C. Kinetic resolution of 2-carbomethoxy-3-alkenols through a stereoselective cyclofunctionalization promoted by an enantiomerically pure electrophilic selenium reagent. *Arkivoc* **2017**, part iii, 303-312.
26. Santi, C.; Jacob, R. G.; Monti, B.; Bagnoli, L.; **Sancineto, L.**; Lenardao, E. J. Water and Aqueous Mixtures as Convenient Alternative Media for Organoselenium Chemistry. *Molecules* **2016,** *21*(11), 1482.
27. Perin, G.; Barcellos, A. M.; Luz, E. Q.; Borges, E. L.; Jacob, R. G.; Lenardão, E. J.; **Sancineto, L.**; Santi, C. Green Hydroselenation of Aryl Alkynes: Divinyl Selenides as a Precursor of Resveratrol. *Molecules* **2017,** *22*(2), 327.
28. **Sancineto, L.**; Mangiavacchi, F.; Tidei, C.; Bagnoli, L.; Marini, F.; Gioiello, A.; Scianowski, J.; Santi, C. Selenium-Catalyzed Oxacyclization of Alkenoic Acids and Alkenols. *Asian J. Org. Chem.* **2017**, *6*, 988.
29. **Sancineto, L.**; Vargas, J. P.; Monti, B.; Arca, M.; Lippolis, V.; Perin, G.; Lenardão, E. J.; Santi, C. Atom Efficient preparation of Zinc Selenates for the Synthesis of Selenoesters under "*On Water*" Conditions. *Molecules* **2017,** *22*(6), 953.
30. Galant, L. S.; Braga, M. M.; de Bem, A. F.; **Sancineto, L.**; Santi, C.; da Rocha, J. B. Induction of reactive oxygen species by diphenyl diselenide is preceded by changes in cell morphology and permeability in Saccharomyces cerevisiae. *Free Rad. Res*. **2017**, 51, 657-668.
31. Kaminska, K.; Wojaczynska, E.; Santi, C.; **Sancineto, L.;** Pensa, M. F.; Kochel, A.; Wieczorek, R.; Wojaczynski, J.; Slupski, G.; An enantiopure diselenide based on a chiral bicyclic backbone—synthesis and configuration assignment. *Tetrahedron: Asymmetry* **2017**, *28*, 1367–1372.
32. Santi, C.; Tomassini, C.; **Sancineto, L.** Organic Diselenides: Versatile Reagents, Precursors, and Intriguing Biologically Active Compounds. *Chimia* **2017**, 71, 592-595.
33. Nacca, F. G.; Merlino, O.; Mangiavacchi, F.; Krasowska, D.; Santi, C.; **Sancineto, L.** The Q-tube System, A Nonconventional Technology for Green Chemistry Practitioners. *Curr. Green Chem*. **2017**, *4*, 58-66.
34. **Sancineto, L.**; Iraci, N.; Tabarrini, O.; Santi, C. NCp7: targeting a multitasking protein for next-generation anti-HIV drug development part 1: covalent inhibitors. *Drug Discovery Today* **2018**, *23*, 260-271.
35. Iraci, N.; Tabarrini, O.; Santi, C.; **Sancineto, L**. NCp7: targeting a multitasking protein for next-generation anti-HIV drug development part 2: non covalent inhibitors and nucleic acid binders. *Drug Discovery Today* **2018**, *23*, 687-695.
36. Nkizinkiko, Y.; Desantis, J.; Koivunen, J.; Haikarainen, T.; Murthy, S.; **Sancineto, L.;** Massari, S.; Ianni, F.; Obaji, E.; Loza, M. I.; Pihlajaniemi, T.; Brea, J.; Tabarrini, O.; Lehtiö, L.; 2-Phenylquinazolinones as dual-activity tankyrase-kinase inhibitors. *Scientific Reports* **2018**. 8 (1), 1680.
37. **Sancineto, L.;** Monti, B.; Merlino, O.; Rosati, O.; Santi, C. Q-Tube © assisted MCRs for the synthesis of 2,3-dihydroquinazolin-4(1H)-ones. *Arkivoc* **2018**, part iii, 270-278.
38. Penteado, F.; Monti, B.; **Sancineto, L.;** Perin, G.; Jacob, R.; Santi, C.; Lenardão, E. J. Ultrasound-assisted Multicomponent Reactions, Organometallic and Organochalcogen Chemistry. *Asian J. Org. Chem.* **2018**, *7,* 2368-2385.
39. Palomba, M.; **Sancineto, L.**; Marini, F.; Santi, C.; Bagnoli, L. A domino approach to pyrazino- indoles and pyrroles using vinylselenones. *Tetrahedron* **2018**, *74*, 7156.
40. Di Leo, I.; Messina, F.; Nascimento, V.; Nacca, F. G.; Pietrella D.; Lenardao, E. J.; Perin, G.; **Sancineto, L.** Synthetic approaches to organoselenium derivatives with antimicrobial and anti-biofilm activity. *Mini-Reviews in Organic Chemistry* **2019,** *16*, 589-601.
41. Palomba, M.; **Sancineto, L.**; Scarcella, E.; Bagnoli, L.; Santi, C.; Marini, F. Synthesis of Spirooxindole Oxetanes via a Domino Reaction of 3-Hydroxyoxindoles and Phenyl Vinyl Selenone. *Eur. J. Org. Chem.* **2019,** 5396–5401.
42. Krasowska, D.; Begini, F.; Santi, C.; Mangiavacchi, F.; Drabowicz, J.; **Sancineto, L.** Ultrasound-assisted synthesis of alkali metals diselenides (M_2Se_2) and their application for the gram-scale preparation of 2,2'-diselenobis(benzoic acid). *Arkivoc* **2019**, *part ii*, 24-37.
43. Krasowska, D.; Iraci, N.; Santi, C.; Drabowicz, J.; Cieslak, M.; Kazmierczak-Baranska, J.; Palomba, M.; Królewska-Golinska, K.; Magiera, J.; **Sancineto, L.** Diselenides and Benzisoselenazolones as Antiproliferative Agents and Glutathione-S-Transferase Inhibitors. *Molecules* **2019**, *24*, 2914.
44. Hayashi, S.; Nishide, T.; Nakanishi, W.; **Sancineto, L.;** Santi, C. The nature of G/E–Y s(3c–4e) in o- $Me_nGCH_2C_6H_4EY$ (Me_nG = Me_2N and MeE; E = O, S, Se and Te; Y = F, Cl, Br, EMe and Me) with contributions from CT and compliance constants in noncovalent G/E interactions. *RSC Adv.,* **2019**, *9*, 39435- 39446.
45. Begini, F.; Krasowska, D.; Jasiak, A.; Drabowicz, J.; Santi, C.; **Sancineto, L.** Continuous flow synthesis of 2,2'- diselenobisbenzoic acid) and derivatives. *React. Chem. Eng.,* **2020**, *5*, 641–644.
46. Krasowska, D.; **Sancineto, L.**; Deska, M.; Drabowicz, J. Optically Active Selenoxides: Structural and Synthetic Aspects. *Symmetry* **2020**, *12*, 349.
47. Nascimento, V.; Cordeiro, P. S.; Arca, M.; Marini, F.; **Sancineto, L.**; Braga, A. L.; Lippolis, V.; Iwaoka, M.; Santi, C. Fast and easy conversion of *ortho* amidoaryldiselenides into the corresponding ebselen-like derivatives driven by theoretical investigations. *New J. Chem.*, **2020**, *44*, 9444—9451.

48. Mangiavacchi, F.; Crociani, L.; **Sancineto, L.**; Marini, F.; Santi, C. Continuous Bioinspired Oxidation of Sulfides. *Molecules* **2020**, *25*, 2711.
49. Mangiavacchi, F.; Coelho Dias, I. F.; Di Lorenzo, I.; Grzes, P.; Palomba, M.; Rosati, O.; Bagnoli, L.; Marini, F.; Santi, C.; Lenardao, E. J.; **Sancineto, L.** Sweet Selenium: Synthesis and Properties of Selenium-Containing Sugars and Derivatives. *Pharmaceuticals* **2020**, *13*, 211.
50. Cannalire, R.; Pelliccia, S.; **Sancineto, L.**; Novellino, E.; Tron, G. C.; Giustiniano, M. Visible light photocatalysis in the late-stage functionalization of pharmaceutically relevant compounds. *Chem. Soc. Rev.*, **2021**, *50*, 766—897.
51. Santi, M.; **Sancineto, L.**; Nascimento, V.; Azeredo, J. B.; Orozco, E. V. M.; Andrade, L.; Gröger, H.; Santi, C. Flow Biocatalysis: A Challenging Alternative for the Synthesis of APIs and Natural Compounds. *Int. J. Mol. Sci.* **2021**, *22*, 990.
52. Mangiavacchi, F.; Botwina, P.; Menichetti, E.; Bagnoli, L.; Rosati, O.; Marini, F.; Fonseca, S. F.; Abenante, L.; Alves, D.; Dabrowska, A.; Kula-Pacurar, A.; Ortega-Alarcon, D.; Jimenez-Alesanco, A.; Ceballos-Laita, L.; Vega, S.; Rizzuti, B.; Abian, O.; Lenardao, E. J.; Velazquez-Campoy, A.; Pyrc, K.; **Sancineto, L.*;** Santi, C. Seleno-Functionalization of Quercetin Improves the Non-Covalent Inhibition of Mpro and Its Antiviral Activity in Cells against SARS-CoV-2. *Int. J. Mol. Sci.* **2021**, *22*, 7048.
53. Santi, C.; Scimmi, C.; **Sancineto, L.** Ebselen and Analogues: Pharmacological Properties and Synthetic Strategies for Their Preparation. *Molecules* **2021**, *26*, 4230.
54. Scimmi, C.; Cardinali, M.; Abenante, L.; Amatista, M.; Nacca, F. G.; Lenardao, E. J.; **Sancineto, L.**; Santi, C. Q-Tube®-Assisted Alkylation and Arylation of Xanthines and Other N-H-Containing Heterocycles in Water. *Chemistry* **2021**, *3*, 1126–1137.
55. **Sancineto, L.**; Ostacolo, C.; Ortega-Alarcon, D.; Jimenez-Alesanco, A.; Ceballos-Laita, L.; Vega, S.; Abian, O.; Velazquez-Campoy, A.; Moretti, S.; Dabrowska, A.; Botwina, P.; Synowiec, A.; Kula-Pacurar, A.; Pyrc, K.; Iraci, N.; Santi, C. L-Arginine Improves Solubility and ANTI SARS-CoV-2 Mpro Activity of Rutin but Not the Antiviral Activity in Cells. *Molecules* **2021**, *26*, 6062.
56. Azeredo, J. B.; Penteado, F.; Nascimento, V.; **Sancineto, L.**; Braga, A. L.; Lenardao, E. J.; Santi, C. "Green Is the Color": An Update on Ecofriendly Aspects of Organoselenium Chemistry. *Molecules* **2022**, *27*, 1597.
57. Benedetto Tiz, D.; Bagnoli, L.; Rosati, O.; Marini, F.; **Sancineto, L.**; Santi. C. New Halogen-Containing Drugs Approved by FDA in 2021: Overview on Their Syntheses and Pharmaceutical Use. *Molecules* **2022**, *27*, 1643.
58. Grzes, P. A.; Monti, B.; Wawrusiewicz-Kurylonek, N.; Bagnoli, L.; **Sancineto, L.**; Jastrzebska, E.; Santi, C. Simple Zn-Mediated Seleno- and Thio-Functionalization of Steroids at C-1 Position. *Int. J. Mol. Sci.* **2022**, *23*, 3022.
59. Scimmi, C.; **Sancineto, L.;** Drabowicz, J.; Santi. C. New Insights into Green Protocols for Oxidative Depolymerization of Lignin and Lignin Model Compounds. *Int. J. Mol. Sci.* **2022**, *23*, 4378.
60. Mangiavacchi, F.; Mazzeo, G.; Graziani, M.C.; Marini, F.; Drabowicz, J.; Wielgus, E.; **Sancineto, L.**; Longhi, G.; Vivani, R.; Abbate, S.; Santi. C. Vibrational and Electronic Circular Dichroism Study of Chiral Seleno Compounds Prepared from a Naphthol Based Diselenide. *Eur. J. Org. Chem.* **2022**, e202200282.
61. Di Vito, R.; Levorato, S.; Fatigoni, C.; Acito, M.; **Sancineto, L.**; Traina, G.; Villlarini, M.; Santi, C.; Moretti, M. In vitro toxicological assessment of PhSeZnCl in human liver cells. *Toxicol Res.* **2023**, *39*, 105–114.
62. Acito, M.; Palomba, .; Fatigoni, C.; Villlarini, M.; **Sancineto, L.**; Santi, C.; Moretti, M. Fagiolina del Trasimeno, an Italian cowpea landrace: Effect of different cooking techniques and domestic storage on chemical and biological features. *International Journal of Food Science and Technology* **2022**, *57*, 6557-6571.
63. Sarturi, J. M.; Dornelles, L.; Segatto, N. V.; Collares, T.; Seixas, F. K.; Piccoli, B. C.; D'Avila da Silva, F.; Bright Omage, F.; Teixeira da Rocha, J. B.; Balaguez, R. A.; Alves, D.; Lenardão, E. J.; Lopes, E.; Kula-Pacurar, A.; Pyrc, K.; **Sancineto, L.**; Rodrigues, O. E. D. Chalcogenium-AZT Derivatives: A Plausible Strategy To Tackle The RT-Inhibitors-Related Oxidative Stress While Maintaining Their Anti-HIV Properties. *Curr. Med. Chem.* **2023**, *30*, 2449-2462.
64. Benedetto Tiz, D.; Bagnoli, L.; Rosati, O.; Marini, F.; Santi, C.; **Sancineto, L.** FDA-Approved Small Molecules in 2022: Clinical Uses and Their Synthesis. *Pharmaceutics* **2022**, *14*, 2538.
65. **Sancineto, L.;** Scimmi, C.; Rosati, O.; Santi, C. Flow chemistry: A green opportunity for organochalcogen chemistry. *Curr. Opin. Green. Sus. Chem.* **2023**, *39*, 100725.
66. **Sancineto, L.;** Kibambe Kibambe J.; Scimmi, C.; Santi, C. *In situ* generated HClO for the conversion of thiols and disulfides into thiosulfonates. *Arkivoc* **2023**, part v, 135-145.
67. Benedetto Tiz, D.; Bagnoli, L.; Rosati, O.; Marini, F.; **Sancineto, L.;** Santi, C. Top Selling (2026) Small Molecule Orphan Drugs: A Journey into Their Chemistry. *Int. J. Mol. Sci.* **2023**, *24*, 930.
68. Zeppilli, D.; Madabeni, A.; **Sancineto, L.;** Bagnoli, L.; Santi, C.; Orian, L. Role of Group 12 Metals in the Reduction of H_2O_2 by Santi's Reagent: A Computational Mechanistic Investigation. *Inorg. Chem.* **2023**, 62, 42, 17288–17298.
69. Bugaj, K.; Pokora-Sobczak, P.; Mielniczak, G.; **Sancineto, L.**; Santi, C.; Drabowicz, J. Formation, functionalization and interconversion of sulfur containing functional groups in mechanochemical conditions. *Phosphorus Sulfur.* **2023**, 461-469.
70. Noe, R.; Inglese, N.; Romani, P.; Serafini, T.; Paoli, C.; Calciolari, B.; Fantuz, M.; Zamborlin, A.; Surdo, N.; Spada, V.; Spacci, M.; Volta, S.; Ermini, ML.; Di Benedetto, G.; Frusca, V.; Santi, C.; Lefkimmiatis, K.; Dupont, S.; Voliani, V.; **Sancineto, L.**; Carrer, A. Organic Selenium induces ferroptosis

in pancreatic cancer cells. *Redox Biology* **2023**, *68*, 102962.

71. Pizzoli, G.; **Sancineto, L.**; Scimmi, C.; Ceccucci, V.; Wielgus, E.; Drabowicz, J.; Santi, C. In situ formation of the electrophilic phenylselenenyl sulfate triggered by light. *Phosphorus Sulfur* ***2024,*** 470-477.
72. Bagnoli, L.; Rosati, O.; Marini, F.; Santi, C.; **Sancineto, L**. Selenosulfones, a Meetup of Chalcogens: A Journey Into Their Recent Chemistry. *Eur. J. Org. Chem* **2024**, e202400169.
73. **Sancineto, L**.; Mangiavacchi, F.; Dabrowska, A.; Pacuła-Miszewska, A. J.; Obieziurska-Fabisiak, M.; Scimmi, C.; Ceccucci, V.; Kong, J.; Zhao, Y.; Ciancaleoni, G.; Nascimento, V.; Rizzuti, B.; Bortoli, M.; Orian, L.; Kula-Pacurar, A.; Yang, H.; Ścianowski, J.; Lei, Y.; Pyrc, K.; Santi, C. New insights in the mechanism of the SARS-CoV-2 Mpro inhibition by benzisoselenazolones and diselenides. *Scientific Reports* **2024***, 14,* 24751.
74. Chrzanowski, J.; **Sancineto, L**.; Deska, M.; Rachwalski, M.; Drabowicz, D. Thioureas Derived from (S)-1-(2-pyridyl)ethylamine Enantiomer: Synthesis and Selected Applications as an Organocatalys. *Symmetry*, **2025**, *17*, 216.
75. Coelho Dias, I. F.; Santi, C.; **Sancineto, L.** Recent Advances in the Chemistry of 5and 6-Membered Selenacycles and Selenaheterocycles. *Asian J. Org. Chem*. **2025**, e202500093
76. Benedetto Tiz, D.; Rosati, O.; **Sancineto, L.** Sulfur- and phosphorus-containing FDA approved drugs in the last five years (2020–2024): A journey among small Molecules. *Phosphorus Sulfur* ***2025,*** 1-39
77. Romano, L.; Ceccucci, V.; Tensi, L.; Santi, C.; **Sancineto, L.** A Tale of Two Designs: Comparing Design of Experiment Strategies for Reaction Optimization. *Chemistry—Methods* **2025***, 5,* e202500008.
78. Benedetto Tiz, D., Mangiavacchi, F., **Sancineto, L**. The importance of nitrile functionality: FDA-approved small molecules from 2021 to 2024. *Phosphorus Sulfur* ***2026,*** 1-19

Book Chapters

1. Bartolini, D.; **Sancineto, L.;** Fabro de Bem, A.; Tew, K. D.; Santi, C.; Radi, R.; Toquato, P.; Galli, F. (**2017**). *Selenocompounds in Cancer Therapy: An Overview*. pp. 259–302.
2. Santi, C.; **Sancineto, L.** (**2020**) Selenium Chemistry: A Powerful Tool For Heterocycles Synthesis And Functionalization. *Targets in Heterocyclic Systems*. Chapter 14.
3. Drabowicz, J.; Karpowicz, R.; Krasowska, D.; **Sancineto, L.*** (**2020**). Compounds Containing a Spiro Phosphorus Atom. *Comprehensive Heterocyclic Chemistry IV*.
4. Pacuła-Miszewska, A.; **Sancineto, L** (**2022**). Oxygen-transfer reactions catalyzed by organoselenium compounds in *Organochalcogen Compounds Synthesis, Catalysis and New Protocols with Greener Perspectives.*
5. Nascimento, V.; **Sancineto. L (2023);** Chalcogen-containing Therapeutic Molecules in *Chalcogen Chemistry: Fundamentals and Applications*

Books

1. Lenardão, E. J.; Santi, C.; **Sancineto, L.** New Frontiers in Organoselenium Compounds, Springer Nature, Cham (**2018**)

Number of citations = **2742**; H-index = **28** (WOS)
2978; H-index = **32** (Scopus)
3764; H-index = **31** (Scholar)

Oral communications delivered to national and international conferences

A. **Sancineto, L**.; Massari, S.; Sabatini, S.; Tabarrini, O.; Cecchetti, V. NM13, un nuovo potente e selettivo agente anti-HIV. *TUMA*. Perugia, Italy, June 30-July-1, **2011**, O-26.

B. **Sancineto, L**.; Iraci, N.; Massari, S.; Attanasio, V.; Sabatini, S.; Manfroni, G.; Marcello, A.; Cecchetti, V.; Tabarrini, O. 2-Phenyquinazolinone fragment imparts anti-CDKs and anti-HIV activities. *7th Meeting Nuove Prospettive in Chimica Farmaceutica*, Savigiano (CN), Italia, May 29-31, **2013**, S6.8.

C. **Sancineto, L.** Design and synthesis of Selenium-based NCp7 Inhibitors as novel anti-HIV agents. *2nd Workshop of the Multidisciplinary Group of SeS Redox and Catalysis*, Perugia, Italia, November, 8th **2013.**

D. **Sancineto, L.**; Bagnoli, L.; Marini, F.; Tabarrini, O.; Santi, C. Design and synthesis of selenorganic derivatives as anti-HIV agents. *XIII Giornata Scientifica Borsisti C.I.N.M.P.I.S,* Perugia (PG), Italia, December 18, **2013**.

E. **Sancineto, L.**; Mariotti, A.; Bagnoli, L.; Marini, F.; Daelemens, D.; Pannecouque, C.; Tabarrini, O.; Santi, C. Design and synthesis of diselenide derivatives as anti-HIV agents. *26th International Symposium on Organic Chemistry of Sulfur,* Istanbul, Turkey, August 24-29, **2014**, OP6.

F. **Sancineto, L.** Selenorganic compounds in medicinal chemistry. *3rd Workshop of the Multidisciplinary Group of SeS Redox and Catalysis*, Perugia, Italia, 15th-17th September **2014**, PL07. ***Invited.***

G. **Sancineto, L.**; Do Nascimento, V.; Braga, A. L.; Santi, C. Diselenides and benzisoselenazolones: synthesis and GPx-Like activity. *4th Workshop of the Multidisciplinary Group of SeS Redox and Catalysis*, Perugia, Italia, 20th-22nd April **2015**, FC09.

H. Bartolini, D.; Nascimiento, V.; Galli, F.; Braga, A. L.; Pietrella, D.; Santi, C.; **Sancineto, L.** Se-based Compounds as Drug Candidates: in the

search for Se therapeutics. *7th Internation Meeting on Halogen Chemistry – HALCHEM VII*, Czestochowa, Poland, 3rd – 6th September **2015**, L08. **Invited**.

I. **Sancineto, L.**; Bagnoli, L.; Marini, F.; Santi, C.; Selenium catalysed Cyclofunzionalization Reactions. *5th Workshop of the Multidisciplinary Group of SeS Redox and Catalysis*. Hiratsuaka, Japan, 21th May **2016**. SO2

J. **Sancineto, L.**; Bagnoli, L.; Marini, F.; Santi, C. Synthesis of functionalized diaryl diselenides and their ebselen-like derivatives as novelbiologically active compounds. *13th International Conference on the Chemistry of Selenium and Tellurium,* Gifu, Japan, 23rd – 27th May **2016**, OL-09.

K. **Sancineto, L.**; Mangiavacchi, F.; Bagnoli, L.; Marini, F.; Santi, C. Benzisoselenazolones as antioxidant and antibacterials for the potential treatment od cystic fibrosis. *XVI Edizione "Giornate Scientifiche Borsisti C.I.N.M.P.I.S",* Cosenza (CS), Italia, December 16-17, **2016**, O6.

L. **Sancineto, L.**; Mangiavacchi, F.; Bagnoli, L.; Marini, F.; Scianowsky, J.; Santi, C. Selenium-catalyzed oxaciclyzation of alkenoic acids and alkenols. *Xth International Mini-Symposium Selenium-containing Compounds on the Borderline of Chemistry, Biology and Medicine*. Lodz, Poland, May 25th, **2017**, SC-7.

M. **Sancineto, L.**; Mangiavacchi, F.; Drabowicz, J.; Scianowsky, J.; Santi, C. Selenium-catalyzed oxacyclization of alkenoic acids and alkenols. *60 Zjazd Naukowy Polskiego Towarzystwa Chmicznego*. Wroklaw, Poland, September 17-21, **2017**, S01K12.

N. **Sancineto, L.**; Krasowska, D.; Monti, B.; Drabowicz, J.; Santi, C. Uncovering the nature of chalcogen bonds. *6th Workshop of the Multidisciplinary Group of SeS Redox and Catalysis*, Wroklaw, Poland, September 22-23 **2017**, SP1.

O. **Sancineto, L.**; Mangiavacchi, F.; Scianowski, J.; Santi, C. Cyclofunctionalization of alkenols and alkenoic acids catalyzed by organoselenium compounds. *XI Ogolnopolskie Sympozjum Chemii Organiczej XI OSCO*, Warsaw, Poland, April 8-11, **2018**, K-29.

P. **Sancineto, L.** The Man on the Moon: my Developments in Selenium Chemistry. *4ème Workshop de Chimie Sous le thème: Chimie Bio-Moléculaire & Santé* Beni-Mellal, Maroc, July 21, **2018**, IL1. ***Invited***

Q. Krasowska, D.; Drabowicz, J.; Marini, F.; Rosati, O.; Monti, B.; Mambrini, A.; Santi, C.; Kazmierski, S.; **Sancineto, L.** NMR-based investigations on weak interactions between selenium-containing compounds and metals. VII Encontro sobre Enxofre, Selenio e Telurio and 7th *Workshop of the Multidisciplinary Group of SeS Redox and Catalysis*, Santa Maria, Brazil, September 3-6, **2018**, Invited Lecture 1. ***Invited***

R. **Sancineto, L.**; Scianowski, J.; Mangiavacchi, F.; Santi, C. An Organoselenium Catalyzed Strategy for Oxidation Reactions. *XVIII International Symposium on Selected Problems of Chemistry of Acyclic and Cyclic Heteroorganic Compounds*. Częstochowa, Poland, November 22nd, **2018**, PL6. ***Invited***

S. **Sancineto, L.**; Scianowski, J.; Mangiavacchi, F.; Santi, C. An Organoselenium Catalyzed Strategy for Oxidation Reactions. *21th International Symposium "Advances in the Chemistry of Heteroorganic Compounds*. Lodz, Poland, November 23rd, **2018**, PL6. ***Invited***

T. Krasowska, D.; Drabowicz, J.; Santi, C.; Begini, F.; **Sancineto, L.** Probing weak interactions between selenium containing compounds and Zn(II). *14th International Conference on the Chemistry of Selenium and Tellurium,* Santa Margherita di Pula, Italy, 3rd – 7th June **2019**, SOC-11.

U. **Sancineto, L.** Synthesis and antiproliferative activity of selenium containing compounds. *13th International Symposium on Pharmaceutical Sciences (ISOPS-13)*, Ankara, Turkey, 22nd-25th June **2021,**

V. Mangiavacchi, F.; Begini, F.; Krasowska, D.; Drabowicz, J.; Santi, C.; **Sancineto, L.** Flow chemistry as a valuable tool in organoselenium chemistry. 9th *Workshop of the Multidisciplinary Group of SeS Redox and Catalysis*, Łódź (Poland), 8-10 September **2022**, Invited Lecture 1. ***Invited***

W. Mangiavacchi, F.; Marini F.; Begini, F.; Krasowska, D.; Drabowicz, J.; Santi, C.; **Sancineto, L.** Flowing Chalcogens: Flow chemistry approaches with organoselenium and organosulfur compounds. 10th *Workshop of the Multidisciplinary Group of SeS Redox and Catalysis*, Niteroi, Rio De Janeiro (Brazil), November 28 - December 2, **2022**, Invited Lecture 1. ***Invited***

X. **Sancineto, L.** D-optimal design strategies to explore experimental species. 11th *Workshop of the Multidisciplinary Group of SeS Redox and Catalysis*. Torun (Poland), July 25th- 26th **2024** Invited Lecture. ***Invited***

Y. **Sancineto, L.** DoE paradigms to tackle synthetic challenges. XXV International Symposium Advances in the chemistry of Heterorganic Compounds. Lodz (Poland) November 21th-24th **2024**. Invited Plenary Lecture (PL-12). ***Invited***

Z.

Invited Lectures to universities and schools

1. Se-based compounds as drug candidates, in the search for selenium therapeutics…. and something else. Department of Organic and Applied Chemistry University if Lodz. **Poland**, November 17th **2017**.
2. Se-based compounds as drug candidates, in the search for selenium therapeutics. Department of Organic Chemistry, Nicolaus Copernicus in Torun. **Poland** November 22nd **2017**.
3. Design and Synthesis of anti-HIV molecules. Malopolska Centre of Biotechnology, Jagiellonian University, Krakow, **Poland** March 3rd **2018**.

4. Design and Synthesis of anti-HIV molecules. Department of Organic Chemistry Białystok University. Białystok, **Poland** March 22nd **2018**.
5. The Man on the Moon: my developments in Selenium Research. Wroclaw University, **Poland** June 20th **2018.**
6. Developments of antimicrobial compounds through different medicinal chemistry approaches. Pharmaceutical Research Institute, Warsaw, **Poland**, February 8th **2019**.
7. Walking on the moon: my research on selenium chemistry. 50th Polish School of Chemistry, Smardzewice, **Poland**, May 3rd **2019**.
8. Flowing Chalcogens: Flow chemistry approaches to organoselenium and organosulfur compounds. Department of Organic and Applied Chemistry University if Lodz. **Poland**, April 7th **2022**.
9. D-Optimal design strategies to tackle synthetic challenges. Institute of Organic Chemistry, University of Regensburg (**Germany**), May 22th **2024**.

Supervisor for Master Degree Thesis

I. Alice Mariotti, Design and synthesis of diselenides as innovative anti-HIV agents. Laurea in Chimica e Tecnologie del Farmaco, University of Perugia. **2013/2014.**
II. Laura Abbenante, New eco-friendly strategies for the synthesis of selenoesters. Laurea in Chimica e Tecnologie del Farmaco, University of Perugia. **2015/2016.**
III. Maria Teresa Sarro, Bioinspired cyclofunctionalization: a green approach. Laurea in Chimica e Tecnologie del Farmaco, University of Perugia, **2016/2017**.
IV. Elena Menichetti, Functionalization of flavonoid skeletons using electrophilic selenium reagents in a Kolbe-Schmitt-like" mechanism. Laurea in Chimica e Tecnologia del Farmaco, Università di Perugia, anno accademico, **2018/2019**
V. Maria Chiara Graziani, Base-promoted selenylation of ß-naphthol as a key step for the synthesis of novel selenides and selenium containing heterocycles having anti-oxidant properties. Laurea in Farmacia, Università di Perugia, anno accademico **2018/2019**
VI. Sandro Milei, NMR analysis of unpretreated samples of umbrian single-variety wines. Laurea in Chimica e Tecnologie del Farmaco, Università di Perugia, anno accademico, **2019/2020**
VII. Cecilia Scimmi, Ebselen and Ebselen derivatives as potent inhibitors of SARS-CoV-2 Main protease: genuine inhibitors or P.A.I.N.S.? Laurea in Chimica e Tecnologie del Farmaco, Università di Perugia, anno accademico, **2019/2020**
VIII. Diletta Liviabella, New insights into selenium-selenium bond oxidation as potential mechanism in the activation of diselenides in the inhibition of SARS-COV-2 main protease. Chimica e Tecnologie del Farmaco,, Università di Perugia, anno accademico, **2019/2020**
IX. Veronica Ceccucci, Catalyst-free photoactivated selenenylation reactions. Chimica e Tecnologie del Farmaco, Università di Perugia, anno accademico, **2020/2021**
X. Gildberta Troci, Selenium and Organoselenium Compounds as Antimicrobials, Laurea in Farmacia, Università di Perugia, anno accademico, **2020/2021**
XI. Marina Moretti, Photocatalysts-free blue-light activated selenofunctionalization. Laurea in Farmacia, Università di Perugia, anno accademico, **2020/2021**
XII. Dalila Merico, Cu-Glutathione and Cu-Cystine complexes synthesis and characterization. Laurea in Farmacia, Università di Perugia, anno accademico, **2020/2021**
XIII. Joel Kibambe Kibambe, Novel Catalytic Processes in the Synthesis of Thiosulfonates and Thiosulfinates. Laurea in Farmacia, Università di Perugia, anno accademico, **2020/2021**
XIV. Laura Gobbi, Complexity and system thinking in pharmaceutical research, Laurea in Farmacia, Università di Perugia, anno accademico, **2020/2021.**
XV. Linda Romano, DoE aided, Photoactivated electrophilic selenylation reactions, Laurea in Farmacia, University of Perugia, anno accademico **2022/2023**.
XVI. Francesco Brogi, D-Optimal Design strategies for the optimization of the conversion of benzylic disulfides into benzoic acids Laurea in Chimica e Tecnologie del Farmaco, University of Perugia, anno accademico **2022/2023**.

Podcast

Sancineto, L.; Massari, S.; Iraci, N.; Tabarrini, O. From small to powerful: the fragment universe and its "chem-appeal". Bentham Science Publisher, **2014**, https://www.youtube.com/watch?v=-PkU2EUDmX4.

Editorial Activity

- Member of the Current Green Chemistry editorial board (https://benthamscience.com/journals/current-green-chemistry/editorial-board/#top)
- Member of the International Journal of Drug Research and Technology (http://www.ijdrt.com/drug-research-and-technology/about/editorialTeam)
- Guest Editor for the Special Issue "Organochalcogen in Green Chemistry" in the journal *Current Green Chemistry*, November **2015**.
- Guest Editor for the Special Issue "Chemistry and Health" in the journal *Molecules* (I.F. = 3.098). January **2018**.
- Guest Editor for the Special Issue "Chemistry for life" in the journal Symmetry. January **2020.**
- Guest Editor for the Special Issue ""Main Elements in Organic Synthesis: A Themed Issue in Honor of Professor Jozef Drabowicz". in the journal *Molecules* (I.F. = 4.411). October **2021**
- Guest Editor for the collection "New Topics and Trends in Organochalcogen Chemistry" in the journal Discover Chemistry. March **2024**.

Outreach Activities

- Moderator at "La bufala è servita", Perugia, Italy, May 23rd **2014**.
- Invited as guest at the TEF broadcast "Speciale Università" Perugia, Italy, December 2nd **2015.**
- Invited Lecture entitled "Farmaci dalla Luna" at "Sharper, La Notte Europea dei Ricercatori 2016", Perugia, Italy, September 30th **2016**
- Invited Lecture entitled "The chemical world is colourful" at the Science Festival, Lodz, Poland, April 19th **2018**.
- Invited Lecture entitled "The man on the moon: developments on selenium chemistry" at the Henryk Sienkiewicz Schools Complex in Pajęczno, Poland, May 5th **2018**
- Invited Lecture entitled "The chemical world is colourful" at the University of the Third Age in District Center for the Promotion of Culture in Dzialoszyn, Poland, January 8th **2019**
- Invited Lecture entitled "Chemistry and Dance" at the Science Festival, Lodz, Poland, April 11th **2019**.
- Invited Lecture entitled "Combattiamo le Fake News", Perugia, Italy, September 24th **2021** (https://www.sharper-night.it/evento/conferenza-combattiamo-le-fake-news/).

Projects Funded

- Polonez2 entitled "Investigations of inter and intramolecular interactions between chalcogens and heteroatoms containing molecules", June 2017-May 2019, realized at the Centre of Molecular and Macromolecular Studies of the Polish Academy of Sciences in Lodz. European Union's Horizon 2020 research and innovation program under the Marie Skłodowska-Curie grant agreement No 665778 -POLONEZ funding program, National Science Centre, Poland - project registration number 2016/21/P/ST5/03512 for a total of 944874 PLN (about 220000 €). **Principal investigator**
- Innovatime RNA (July 2014-February 2025), in the frame of "National Center for Gene Therapy and Drugs based on RNA Technology", Codice progetto MUR: CN00000041 – Piano Nazionale di Ripresa e Resilienza, Missione 4, Componente 2, Investimento 1.4. Bando a cascata CNR IGM Spoke 6 CN RNA & GENE THERAPY "Potenziamento strutture di ricerca e creazione di "campioni nazionali di R&S" su alcune Key Enabling Technologies" Iniziativa finanziata dall'Unione europea. **Leader of the Organic Chemistry division.**

Awards and Achievements

January 2016 IRRTF Travelling Fellowship for ICCST and WSeS meetings in Japan by the ***International Research and Research Training Fund (IRRTF) of the Melbourne University***
April 2016 "Pino Loricato" Award for biochemistry research by ***Rotary Club International***.
May 2016 "Bentam Award" by the International ***Network Selenium Sulfur Redox and Catalysis***
September 2018 "Licensure for Associate Professorship in Organic Chemistry" By the ***Italian Minister of Instruction, University and Research***
October 2018 "Licensure for Associate Professorship in Medicinal Chemistry" By the ***Italian Minister of Instruction, University and Research***

Memberships

January 2018 Member of Marie Curie Alumni Associations
July 2024 Member of the International advisory board of the Network Selenium, Sulfur, Redox and Catalysis (Secretary from **September 2017** to **July 2024**)

Perugia 02/02/2026

Signature