

PERSONAL INFORMATION

Luca Sancineto



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sancinet@cbmm.lodz.pl

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

WORK EXPERIENCES

From June 1st, 2017 to May 31st
2019

Independent Researcher

Organic Chemistry Section of the Centre of Molecular 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>

- Bioinspired 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 Biotechnology (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 03/C1 Organic Chemistry ▪ Italian Minister of Instruction, University and Research	8
October 2018	Habilitation as Associate Professor 03/D1 Medicinal Chemistry ▪ Italian Minister of Instruction, University and Research	8
February 2012	PhD University of Perugia, via del liceo, 1, 06100 Perugia (Italia). ▪ Medicinal Chemistry, Organic Chemistry and Biochemistry	8
March 2008	Degree in Pharmacy University of Perugia, via del liceo, 1, 06100 Perugia (Italia). Summa cum laude	7

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 naphthyridone scaffold: identification of a 1,6-naphthyridone derivative with potent and selective anti-HIV activity. *ChemMedChem*. **2011**, *7*, 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. Use of 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 Carboxylic Acids and Esters. *Molecules* **2015**, *20*, 10496-10510.
12. Bartolini, D.; Comodi, 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* **2015**, *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 (DSeBAs) 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.; Lüttke, D. S.; Lenardao, E. J.; Santi, C., Reaction of Acyl Chlorides with In Situ Formed Zinc Selenolates: Synthesis of Selenoesters versus Ring-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.; *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**, doi: 10.1002/ejoc.201900499
42. Krasowska, D.; Begini, F.; Santi, C.; Mangiavacchi, F.; Drabowicz, J.; **Sancineto, L.** Ultrasound-assisted synthesis of alkali metals diselenides (M₂Se₂) 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 Benzoselenazolones as Antiproliferative Agents and Glutathione-S-Transferase Inhibitors. *Molecules* **2019**, *24*, 2914.

Book Chapters

1. Bartolini, D., **Sancineto, L.**, Fabro de Bem, A., Tew, K.D., Santi, C., Radi, R., Toquato, P., and Galli, F. (2017). *Selenocompounds in Cancer Therapy: An Overview*. pp. 259–302.

Books

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

Number of citations= **496**; H-index = **12** (WOS)
575; H-index = **15** (Scopus)
731; H-index = **16** (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-Phenylquinazolinone fragment imparts anti-CDKs and anti-HIV activities. *7th Meeting Nuove Prospettive in Chimica Farmaceutica*, Savignano (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 benzoselenazolones: 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.; Nascimento, 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 International 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 Cyclofunctionalization Reactions. *5th Workshop of the Multidisciplinary Group of SeS Redox and Catalysis*. Hiratsuka, Japan, 21st May **2016**. SO2
- J. **Sancineto, L.**; Bagnoli, L.; Marini, F.; Santi, C. Synthesis of functionalized diaryl diselenides and their ebselen-like derivatives as novel biologically 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 of 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 oxacyclization 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 Chemicznego*. Wroclaw, 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*, Wroclaw, 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 Ogólnopolskie 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. *4^{ème} 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.; Mambri, 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 Telúrio 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*. Czestochowa, 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. Dorota Krasowska, Jozef Drabowicz, Claudio Santi, Francesca Begini, **Luca Sancineto**. 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.

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 of 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 Bialystok University. Bialystok, **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**.

Supervisor for Master Degree Thesis

- I. Alice Mariotti, Design and synthesis of diselenides as innovative anti-HIV agents. Degree in Chemistry and Technology of Drugs, University of Perugia. **2013/2014**.
- II. Laura Abbenante, New eco-friendly strategies for the synthesis of selenoesters. Degree in Chemistry and Technology of Drugs, University of Perugia. **2015/2016**.
- III. Maria Teresa Sarro, Bioinspired cyclofunctionalization: a green approach. Degree in Chemistry and Technology of Drugs, University of Perugia, **2016/2017**.

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.ijdr.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**.

Teaching Activity

- November **2017**, Course for PhD students at The Centre of Molecular and Macromolecular Studies, Polish academy of Science, Lodz. Duration: 6 hours; Title: *Organochalcogens: Organic and medicinal chemistry aspects*.
- December **2018**, Course for PhD students at The Centre of Molecular and Macromolecular Studies, Polish academy of Science, Lodz. Duration: 6 hours; Title: *Organic Chemistry of Chalcogens*.

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 Działoszyn, Poland, January 8th **2019**
- Invited Lecture entitled "Chemistry and Dance" at the Science Festival, Lodz, Poland, April 11th **2019**.

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 programme under the Marie Skłodowska-Curie grant agreement No 665778 -POLONEZ funding programme, National Science Centre, Poland - project registration number 2016/21/P/ST5/03512 for a total of 944874 PLN (about 220000 €).

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

March 2013 Member of the International Network Selenium, Sulfur, Redox and Catalysis (Secretary from **September 2017**)

Il sottoscritto **LUCA SANCINETO** dichiara che tutti i fatti riportati nel presente curriculum corrispondono a verità ai sensi e per gli effetti degli artt. 46 e 47 del D.P.R. 445/2000. Il sottoscritto dichiara di essere a conoscenza delle sanzioni penali cui incorre in caso di dichiarazione mendace o contenente dati non più rispondenti a verità, come previsto dall'art. 76 del D.P.R. 28.12.2000, n. 445. Il sottoscritto dichiara di essere a conoscenza dell'art. 75 del D.P.R. 28.12.2000, n. 445, relativo alla decadenza dai benefici eventualmente conseguenti al provvedimento emanato, qualora l'Amministrazione, a seguito di controllo, riscontri la non veridicità del contenuto della suddetta dichiarazione.

Si allega a tale scopo copia del documento di identità in corso di validità

Perugia 15/08/2019