

CURRICULUM VITAE

Dr. LUANA BAGNOLI

Dept. Pharmaceutical Sciences,
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EDUCATION AND EARLY RESEARCH ACTIVITY

- July 1991 **Master degree (summa cum laude) in Pharmaceutical Chemistry and Technology**, University of Perugia
- May-October 1990 **Habilitation as Pharmacist** (235/250) University of Perugia.
- November 1991-October 1994 **Doctoral studies in the Prof. Tiecco's research group**
Research topics: New synthetic methodologies promoted by selenium for the synthesis of functionalized derivatives and heterocyclic compounds
Catalytic conversion of β,γ -unsaturated esters, amides and nitriles into γ -alkoxy or γ -hydroxy α,β -unsaturated derivatives induced by persulfate anion oxidation of diphenyl diselenide
Selenium catalyzed conversion of β,γ -unsaturated acids into butenolides. Cyclofunctionalizations of alkenyl oximes
- June 1995 **Ph.D degree in Chemical Sciences**
with a Doctoral Thesis titled: "Chemistry of Selenorganic compounds. New approaches to the synthesis of heterocyclic compounds."
Supervisor Prof. M. Tiecco
- 2018 **National Scientific Habilitation of Associate Professor** (CHIM 06)
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POSITION IN ACCADEMY

- November 1994 – October 2004 **Graduate Technician (VII Level) and from 2001 D1 (VIII Level)**
Organic Chemistry Institute Faculty of Pharmacy, University of Perugia
- November 2004-present **Researcher**
Department of Pharmaceutical Science, University of Perugia
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TEACHING AND TRAINING ACTIVITIES

- 2003-2010 **"Spectroscopic Method of Analysis"** (10 CFU), Bachelor degree in Quality Control – CQSIFA
- 2010-2011 **"Heterocyclic Chemistry"**, (6CFU) Master degree in Pharmaceutical Chemistry and Technology
- 2011-16 **"Analysis of drugs"** (6 CFU), Master degree in Pharmacy
- 2020 – present **"Organic Chemistry of Natural Compounds"** (4 CFU), Master degree in Pharmacy

Quality Control – CQSIFA

2016-present

Teaching supplementary for: "**Organic Chemistry 1**" (12 or 14 hours) and "**Physical Methods for Organic Chemistry**" (6 or 10 hours) in Master degree in Pharmaceutical Chemistry and Technology, "**Organic Chemistry of Natural Compounds**" (6 hours) and **Organic Chemistry module 1** (6 hours) in Master degree in Pharmacy

July 2021

"**Organic chemistry**", UFC3 teaching training course "Expert of production cycle in the chemical and pharmaceutical sector" Notice SKILLS Intervention 1. Code SIRU FSE1420-20-1-81-130-DBD924A4. (18 hours)

1997 - present

Advisor/co-advisor for experimental diploma thesis work (more than 45)
Supervisor of 2 Ph.D students

COORDINATION ACTIVITIES

Member of the Joint Teaching Commission of the Department of Pharmaceutical Science (aa 2016/2019 and 2019/2022).

Member of the PhD Program in Pharmaceutical Sciences.

SCIENTIFIC ACTIVITY The scientific interest of Dr. Luana Bagnoli is mainly focused on the development of new synthetic methodologies promoted by organoselenium reagents and their applications to the synthesis of molecules of biological significance. Her research activities concern domino reactions, chemo and stereoselective methodologies and eco-sustainable syntheses. Dr. Bagnoli is co-author of 92 scientific articles published in International Journals, 1 chapter and monographies, and several communications at national and international congresses and meetings. She has been member of national research projects and has linked collaborations with several national and international research groups, also in the framework of the International Network for Multidisciplinary Research on Selenium Sulfur and other Redox Catalysts (SeS Redox and Catalysis). Dr. Bagnoli has been application reviewer for FIRB-Italian Ministry of University and Research. She serves as reviewer for several international scientific journals such as Tetrahedron, Tetrahedron: Asymmetry, Tetrahedron Lett., European Journal of Organic Chemistry, Symmetry, Current Organic Chemistry, Chemistry Open, Letters in Organic Chemistry, Research, Molecules, Chem. Commun, etc.

EDITORIAL ACTIVITY She is section board member of Molecules (section Organic Chemistry) and Guest editor of two Special Issues in the same journal:

- 1) "Heterocycles: Synthesis, Biological activity and Synthetic Applications";
- 2) "Celebrating two Centuries of Research in Selenium Chemistry: state of art and New perspective".

AWARD AND CITATION

Citation in Synfacts "Highlights in Current Synthetic Organic Chemistry" 2008, 7, 728.

Tetrahedron Asymmetry: Most Cited Paper 2004-2007.
(see list of publications)

BIBLIOMETRIC INDICATORS at January/2022

92 publications(**WOS**);

90 publications (**SCOPUS**)

Total number of citations: 2282 (WOS);
Total number of citations: 2369 (SCOPUS)
Total number of citations. 2690 (Google Scholar)

H-index: 29 (WOS);
H-index: 30 (SCOPUS)
H-index 32 (Google Scholar)

LIST OF PUBLICATIONS

- 92) 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.; Lenardão, 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
International Journal of Molecular Sciences, **2021**, 22(13), 704895.
- 91) Palomba, M.; De Monte, E.; Mambrini, A.; Bagnoli, L.; Santi, C.; Marini, F.
A three component [3+2]-cycloaddition/elimination cascade for the synthesis of spirooxindolepyrrolizines.
Org. Biomol.Chem., **2021**, 19, 667–676.
- 90) Mangiavacchi, F.; Dias, I. F. C.; 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 (9), 1–28.
- 89) Hellwig, P. S.; Peglow, T. J.; Penteado, F.; Bagnoli, L.; Perin, G.; Lenardão, E. J.
Recent Advances in the Synthesis of Selenophenes and Their Derivatives
Molecules **2020**, 25, 5907, doi: 10.3390/molecules25245907.
- 88) Araujo, D.R.; Lima, Y. R.; Barcellos, A. M.; Silva, M. S.; Jacob, R. G.; Lenardão, E. J.; Bagnoli, L.; Santi, C.; Perin, G.
Ultrasound-Promoted Radical Synthesis of 5-Methylselanyl-4,5-dihydroisoxazoles
Eur. J. Org. Chem. **2020**, 586-592. DOI: 10.1002/ejoc.201901611
- 87) Bagnoli, L.
Synthesis of Biologically Relevant Heterocyclic Compounds through the Chemistry of Selenium TARGETS IN HETEROCYCLIC SYSTEM, VOLUME 23, **2019**
DOI:http://dx.medra.org/10.17374/targets.2020.23.220
- 86) Palomba, M., Pompei, S., Roscini, L.; Bagnoli, L.
Synthesis and biological evaluation of new indole and pyrrole carboxamides based on amino acids
Arkivoc **2019**, part ii, 163-175.
- 85) Marini, F.; Palomba, M.; Bagnoli, L.; Santi, C.
Synthesis of Pyrrolidinols by Radical Additions to Carbonyls Groups
Proceedings **2019**, 41, 20.
- 84) M. Palomba, E. Scarcella, L. Sancineto, L. Bagnoli, C. Santi, F. Marini.
Synthesis of Spirooxindole Oxetanes Through a Domino Reaction of 3-Hydroxyoxindoles and Phenyl Vinyl Selenone.
Eur. J. Org. Chem., **2019**, 31-32, Special Issue, 5396-5401.
- 83) M. Palomba, L. Sancineto, F. Marini. C. Santi, L. Bagnoli
A domino approach to pyrazino- indoles and pyrroles using vinyl selenones.
Tetrahedron, **2018**, 74, 7156-7163.
- 82) M. Palomba, F. Trappetti, L. Bagnoli, C. Santi, F. Marini.
Oxone mediated oxidation of vinyl selenides in water.
Eur. J. Org. Chem., **2018**, 3914-3919.
- 81) Mangiavacchi, Francesca; Mollari, Leonardo; Bagnoli, Luana, Francesca Marini, Claudio Santi
Condensation of 2-aminomethylaniline with aldehydes and ketones for the fast one-pot synthesis of a library of 1,2,3,4-tetrahydroquinazolines under flow conditions
Chem. Heterocycl. Compd., **2018**, 54, 478-481.
- 80) Dolciemi, D.; Gargaro, M.; Cerra, B.; Scalisi, G.; Bagnoli, L; Servillo, G.; Della Fazia, M. A.; Puccetti, P.; Quintana, F.J.; Fallarino, F.; Macchiarulo, A.
Binding Mode and Structure-Activity Relationships of ITE as Aryl Hydrocarbon Receptor (AhR) agonist
ChemMedChem **2018**, 13, 270-279. DOI 10.1002/cmdc.201700669
- 79) Santi, C, Bagnoli, L.
Special issue "Celebrating two centuries of research in selenium chemistry: state of art and new prospective
Molecules **2017**, Santi, C.: Guest editor; Bagnoli, L.: Assistant Guest Editor

- 78) L. Sancineto, F. Mangiavacchi, C. Tidei, L. Bagnoli, F. Marini, A. Gioiello, J. Scianowski, C. Santi
Selenium-Catalyzed Oxacyclization of Alkenoic Acids and Alkenols
Asian J. Org. Chem. **2017**, *6*, 988–992.
- 77) G. Mazzeo, G. Longhi, S. Abbate, M. Palomba, L. Bagnoli, F. Marini, C. Santi, J.L. Han, V.A. Soloshonok, E. Di Crescenzo, R. Ruzziconi
Solvent-free, uncatalyzed asymmetric "ene" reactions of N-tert-butylsulfinyl-3,3,3-trifluoroacetaldimines: a general approach to enantiomerically pure α -(trifluoromethyl) tryptamines
Org. Biomol. Chem. **2017**, *15*, 3930–3937.
- 76) E. J. Lenardão, E. L. Borges, G. Stach, L. K. Soares, D. Alves, R. F. Schumacher, L. Bagnoli, F. Marini, G. Perin
Glycerol as Precursor of Organoselenyl and Organotellanyl Alkynes
Molecules **2017**, *22*(3), 391
- 75) B. Monti, C. Santi, L. Bagnoli, F. Marini, L. Sancineto
Zinc Chalcogenolates As Green Reagents
Curr. Green Chem., **2017**, *3*, 68–75 (Thematic Issue: Organochalcogens in Green Chemistry).
- 74) C. Tomassini, F. Di Sarra, B. Monti, L. Sancineto, L. Bagnoli, F. Marini, C. Santi
Kinetic resolution of 2-carbomethoxy-3-alkenols through a stereoselective cyclofunctionalization promoted by an enantiomerically pure electrophilic selenium reagent
Arkivoc, **2017**, published on line Sep 29 2016, 303–312.
- 73) M. Palomba, E. Vinti, F. Marini, C. Santi, L. Bagnoli
Synthesis of oxazino[4,3-a]indoles by domino addition-cyclization reactions of (1H-indol-2-yl)methanols and vinyl selenones in the presence of 18-crown-6
Tetrahedron, **2016**, *72*, 7059–7064.
- 72) 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*, 1482, 17 pages
- 71) G. Bellino, M. Scisciani, J. P. Vargas, L. Sancineto, L. Bagnoli, F. Marini, D. S. Ludtke, E. J. Lenardao, C. Santi
Reaction of Acyl Chlorides with In Situ Formed Zinc Selenolates: Synthesis of Selenoesters versus Ring-Opening Reaction of Tetrahydrofuran
Journal of chemistry, **2016**, DOI: 10.1155/2016/284914
- 70) M. Palomba, L. Rossi, L. Sancineto, E. Tramontano, A. Corona, L. Bagnoli, C. Santi, C. Pannecoque, O. Tabarrini, F. Marini*
A New Vinyl Selenone-Based Domino Approach to Spirocyclopropyl Oxindoles Endowed with Anti-HIV RT Activity
Organic & Biomolecular Chemistry, **2016**, *14*, 2015–2024.
- 69) L. Sancineto, C. Tidei, L. Bagnoli, F. Marini, V. Lippolis, M. Arca, E. J. Lenardão, C. Santi
Synthesis of Thiol Esters Using PhSZnBr as Sulfenylating Agent: A DFT-Guided Optimization of Reaction Conditions
Eur. J. Org. Chem., **2016**, 2999–3005
- 68) L. Sancineto, M. Palomba, L. Bagnoli, F. Marini, C. Santi
Advances in Electrophilic Organochalcogen Reagents
Curr. Org. Chem. **2016**, *20*, 122–135.
- 67) M. Palomba, L. Bagnoli, F. Marini, C. Santi, L. Sancineto
Recent Advances in the Chemistry of Vinyl Chalcogenides
Phosphorus Sulfur Silicon & rel. el. **2016**, *191*, Issue 2, 235–244.
- 66) L. Sancineto, A. Mariotti, L. Bagnoli, F. Marini, J. Desantis, N. Iraci, C. Santi, C. Pannecoque, O. Tabarrini
Design and Synthesis of DiselenoBisBenzamides (DISEBAs) as Nucleocapsid Protein 7 (NCp7) Inhibitors with anti-HIV Activity
J. Med. Chem., **2015**, *58*, 9601–9614.
- 65) L. Sancineto, C. Tidei, L. Bagnoli, F. Marini, E. J. Lenardão, C. Santi
Selenium Catalyzed Oxidation of Aldehydes: Green Synthesis of Carboxylic Acids and Esters
Molecules, **2015**, *20* (6), 10496–10510.
- 64) C. Tidei, L. Sancineto, L. Bagnoli, B. Battistelli, F. Marini, C. Santi
A Recyclable Biphasic System for Stereoselective and Easily Handled Hydrochalcogenations
Eur. J. Org. Chem., **2014**, 5968–5975.
- 63) S. Sternativo, B. Battistelli, L. Bagnoli, C. Santi, L. Testaferri, F. Marini
Synthesis of γ -Lactams via a Domino Michael Addition/Cyclization Reaction of Vinyl Selenone with Substituted Amides
Tetrahedron Lett. **2013**, *54*, 6755–6757.
- 62) S. Propersi, C. Tidei, L. Bagnoli, F. Marini, L. Testaferri, C. Santi
On Water Thiolytic of Epoxides Promoted by PhSZnBr

Journal of Sulfur Chemistry, **2013**, 34, 671-676.

61) L. Bagnoli, S. Casini, F. Marini, C. Santi, L. Testaferri

Vinyl selenones: annulation agents for the synthesis of six-membered benzo-1,4-heterocyclic compounds.

Tetrahedron **2013**, 69, 481-486

60) P. Ronchi; C. Scarponi; M. Salvi, S. Fallarini; L. Polito; E. Caneva; L. Bagnoli*, L. Lay

Synthesis of a Structural analogue of the Repeating Unit from streptococcus pneumonite 19F Capsular Polysaccharide based on the Cross- methathesis-Selenocyclization reaction sequence.

J. Org. Chem. **2013**, 78, 5172-5183

59) C. Santi, R. Di Lorenzo, C. Tidei, L. Bagnoli, T. Wirth

Stereoselective Selenium catalyzed Dihydroxylation and Hydroxymethoxylation of Alkenes

Tetrahedron **2012**, 68, 10530- 10535

58) L. Bagnoli, C. Scarponi, M. G. Rossi, L. Testaferri, M. Tiecco.

Synthesis of Enantiopure 1,4-Dioxanes, Morpholines, and Piperazines from the Reaction of Chiral 1,2-Diols, Amino Alcohols, and Diamines with Vinyl Selenones."

Chem. Eur. J. **2011**, 17, 993-999

57) Bagnoli L., Cacchi S., Fabrizi G., Goggiomani A., Scarponi C., Tiecco M.

Diastereoselective Synthesis of Hexahydro-3H- pyrrolizin-3-ones through Pd-catalyzed Carboamination

J. Org. Chem. **2010**, 75, 2134-2137

56) Bagnoli L., Scarponi C., Testaferri L., Tiecco M.

Preparation of both enantiomers of cyclopropane derivatives from the reaction of vinyl selenones with di - (-)-bornyl malonate"

Tetrahedron: Asymmetry **2009**, 20, 1506-1514.

55) M. Tiecco, L. Testaferri, F. Marini, S. Sternativo, F. Del Verme, C. Santi,

L. Bagnoli, A. Temperini

Synthesis of Enantiomerically Enriched β -Hydroxy selenides by Catalytic Asymmetric Ring Opening of *meso*-Epoxides with (Phenylseleno)silanes

Tetrahedron **2008**, 64, 3337-3342.

Citato su **Synfacts** "Highlights in Current Synthetic Organic Chemistry" **2008**, 7, 728.

54) Tiecco Marcello, Testaferri Lorenzo, Bagnoli Luana, Scarponi Catalina.

Selenium -promoted synthesis of enantiopure octahydroindolizines, hexahydro-3H-pyrrolizin- 3-ones

Tetrahedron: Asymmetry **2008**, 19, 2411-2416

53) M. Tiecco, L. Testaferri, L. Bagnoli, C. Scarponi, A. Temperini, F. Marini, C. Santi

Selenium Promoted Synthesis of Enantiopure Pyrrolidines Starting from Chiral Aminoalcohols

Tetrahedron Asymmetry, **2007**, 18, 2758-2767.

52) M. Tiecco, L. Testaferri, C. Santi, C. Tomassini, S. Santoro, F. Marini, L. Bagnoli, A. Temperini.

Synthesis of Enantiomerically Pure β -Azidoselenides Starting from Natural Terpenes.

Tetrahedron, **2007** 12373-12378.

51) M. Tiecco, L. Testaferri, A. Temperini, R. Terlizzi, L. Bagnoli, F. Marini, C. Santi.

Stereocontrolled Synthesis of Substituted N-Arenesulfonyl Azetidines from \square -(Phenylseleno)alkyl Arylsulfonamides

Org. Biomol. Chem., **2007** 5, 3510-3519.

50) M. Tiecco, L. Testaferri, A. Temperini, R. Terlizzi, L. Bagnoli, F. Marini, C. Santi

A Simple Synthesis of (*R*)-3-Aminooctanoic acid (D-BAO) from (*S*)-1-Octyn-3-ol.

Tetrahedron Lett. **2007**. 48, 4343-4345.

49) M. Tiecco., L. Testaferri, F. Marini, S. Sternativo, C. Santi, L. Bagnoli, A. Temperini

Intramolecular Addition of Carbon Radicals to Aldehydes: Synthesis of Enantiopure

Tetrahydrofuran-3-ols.

Tetrahedron, **2007** 63, 5482-5489.

48) M. Tiecco, L. Testaferri, L. Bagnoli, C. Scarponi, A. Temperini, F. Marini, C. Santi

Organoselenium Mediated Asymmetric Cyclizations. Synthesis of Enantiomerically Pure 2-Substituted 1,6-Dioxaspiro[4,4]nonanes.

Tetrahedron: Asymmetry, **2006**, 17, 2768-2774.

47) M. Tiecco, L. Testaferri, C. Santi, C. Tomassini, S. Santoro, F. Marini, L. Bagnoli,

A. Temperini

Intramolecular Non-Bonding Interactions Between Selenium and Sulfur. Spectroscopic Evidence and Importance in Asymmetric Synthesis

Eur. J. Org. Chem., **2006**, 4867-4873.

46) M. Tiecco, L. Testaferri, A. Temperini, R. Terlizzi, L. Bagnoli, F. Marini and C. Santi

Synthesis of γ - and δ -Lactones from Alkynols.

Synlett, **2006**, 587-590.

45) M. Tiecco, L. Testaferri, L. Bagnoli, F. Marini, C. Santi, A. Temperini, C. Scarponi, S. Sternativo

R. Terlizzi and C. Tomassini

Enantioselective Synthesis of Heterocyclic Compounds Mediated by Organoselenium Reagents.

- Arkivoc*, **2006**, 186-206.
- 44) C. Santi, M. Tiecco, L. Testaferri, C. Tomassini, F. Marini, L. Bagnoli, A. Temperini
Kinetic Resolution of Allylic Alcohols Promoted by Electrophilic Selenium Reagents.
Phosphorus, Sulphur and Silicon, **2005**, *180*, 1071-1075.
- 43) M. Tiecco, L. Testaferri, F. Marini, L. Bagnoli, C. Santi, A. Temperini, S. Sternativo, C. Tomassini
Asymmetric Syntheses Promoted by Organoselenium Reagents
Phosphorus, Sulphur and Silicon, **2005**, *180*, 729-740.
- 42) M. Tiecco, L. Testaferri, L. Bagnoli, C. Scarponi, V. Purgatorio, A. Temperini, F. Marini, C. Santi
Synthesis of enantiomerically pure perhydro furo[2,3-*b*]furans.
Tetrahedron Asymmetry, **2005**, *16*, 2429-2435.
- 41) M. Tiecco, L. Testaferri, A. Temperini, R. Terlizzi, L. Bagnoli, F. Marini, C. Santi
Synthesis of selenoxides by oxidation of selenides with superoxide radical anions and 2-nitrobenzenesulfonyl chloride
Tetrahedron Lett., **2005**, *46*, 5165-5168
- 40) M. Tiecco, L. Testaferri, F. Marini, S. Sternativo, C. Santi, L. Bagnoli, A. Temperini
Conjugated Additions of Selenium Containing Enolates to Enones. Enantioselective Synthesis of δ -Oxo- α -Seleno Esters and Their Facile Transformations.
Eur. J. Org. Chem., **2005**, 543-551.
- 39) M. Tiecco, L. Testaferri, A. Temperini, R. Terlizzi, L. Bagnoli, F. Marini, C. Santi
Short Synthesis of (R)- and (S)-4-Amino-3-Hydroxybutyric Acid (GABOB).
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- 38) M. Tiecco, L. Testaferri, C. Santi, C. Tomassini, R. Bonini, F. Marini, L. Bagnoli, A. Temperini
A Chiral Electrophilic Selenium Reagent to Promote the Kinetic Resolution of Racemic Allylic Alcohols.
Org. Lett. **2004**, *6*, 4751-4753.
- 37) M. Tiecco, L. Testaferri, A. Temperini, L. Bagnoli, F. Marini, C. Santi, R. Terlizzi
Synthesis of Substituted Se-Phenyl Selenocarboxylate from Terminal Alkynes
Eur. J. Org. Chem., **2004**, 3447-3458.
- 36) M. Tiecco, L. Testaferri, L. Bagnoli, R. Terlizzi, A. Temperini, F. Marini, C. Santi, C. Scarponi.
Synthesis of Enantiomerically Pure Perhydrofuro[3,4-*b*]pyrans and Perhydrofuro[3,4-*b*]furans.
Tetrahedron Asymmetry, **2004**, *15*, 1949-1955.
- 35) M. Tiecco, L. Testaferri, A. Temperini, L. Bagnoli, F. Marini, C. Santi
Ring Closure Reactions by Intramolecular Displacement of the Phenylselenonyl Group by Nitrogen Nucleophiles. A New Stereospecific Synthesis of N-Tosyl and N-Benzoyl-1,3-Oxazolidin-2-ones from β -Hydroxyalkyl Phenyl Selenides
Chem. Eur. J. **2004**, *10*, 1752-1764.
- 34) M. Tiecco, L. Testaferri, F. Marini, S. Sternativo, C. Santi, L. Bagnoli, A. Temperini
Asymmetric aldol reactions from titanium enolates of α -seleno ketones and esters.
Tetrahedron: Asymmetry **2004**, *15*, 783-791.
- 33) M. Tiecco, L. Testaferri, L. Bagnoli, V. Purgatorio, A. Temperini, F. Marini, C. Santi
Synthesis of Enantiomerically Pure Substituted Tetrahydrofurans from Epoxides and Phenylselenium Reagents.
Tetrahedron: Asymmetry **2004**, *15*, 405-412.
- Most Cited paper 2004-2007.**
- 32) M. Tiecco, L. Testaferri, F. Marini, S. Sternativo, C. Santi, L. Bagnoli, A. Temperini
Selenium-promoted Synthesis of Enantiomerically Pure Substituted Morpholines Starting from Alkenes and Chiral Aminoalcohols.
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- 31) M. Tiecco, L. Testaferri, F. Marini, S. Sternativo, C. Santi, L. Bagnoli, A. Temperini
Synthesis of Enantiomerically Pure 1,4-Dioxanes from Alkenes Promoted by Organoselenium Reagents.
Tetrahedron: Asymmetry **2003**, *14*, 1095-1102.
- 30) M. Tiecco, L. Testaferri, C. Santi, C. Tomassini, F. Marini, L. Bagnoli, A. Temperini
Asymmetric Azidoselenenylation of Alkenes: A Key Step for the Synthesis of Enantiomerically Enriched Nitrogen-Containing Compounds.
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- 29) M. Tiecco, L. Testaferri, A. Temperini, L. Bagnoli, F. Marini, C. Santi.
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Synlett. **2003**, 655-658.
- 28) M. Tiecco, L. Testaferri, C. Santi, C. Tomassini, F. Marini, L. Bagnoli, A. Temperini
Asymmetric Synthesis of Thioamido Selenides. A Simple Synthetic Route to Enantiopure Thiazolines.
Tetrahedron: Asymmetry **2002**, *13*, 429-435.
- 27) M. Tiecco, L. Testaferri, C. Santi, C. Tomassini, F. Marini, L. Bagnoli, A. Temperini

Preparation of a New Chiral non Racemic Sulfur-Containing Diselenide and Applications in Asymmetric Synthesis.

Chem. Eur J. **2002**, *8*, 1118-1124

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Efficient Asymmetric Selenocyclizations of Alkenyl Oximes into Cyclic Nitrones and 1,2-Oxazines Promoted by Sulfur Containing Diselenides.

Tetrahedron: Asymmetry **2001**, *12*, 3297-3304.

25) M. Tiecco, L. Testaferri, F. Marini, S. Sternativo, C. Santi, L. Bagnoli, A. Temperini
Optically Active Isoxazolidines and 1,3-Amino Alcohols by Asymmetric Selenocyclization Reactions of O-Allyl Oximes.

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24) M. Tiecco, L. Testaferri, A. Temperini, L. Bagnoli, F. Marini, C. Santi.

Oxidation of Diphenyl Diselenide with 2,3-Dichloro-5,6-dicyanobenzoquinone (DDQ). A New Method for the Electrophilic Phenylselenenylation of Alkenes under Mild Conditions.

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23) M. Tiecco, L. Testaferri, F. Marini, S. Sternativo, L. Bagnoli, C. Santi, A. Temperini.

A Sulfur Containing Diselenide as an Efficient Chiral Reagent in Asymmetric Selenocyclization Reactions.

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22) M. Tiecco, L. Testaferri, A. Temperini, L. Bagnoli, F. Marini, C. Santi

A New Synthesis of α -Phenylseleno Esters and Acids from Terminal Alkynes

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