PERSONAL INFORMATION

Pierfausto Seneci

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GENDER: M | BIRTHDATE | CITIZENSHIP Italian

WORK EXPERIENCE

(2011 - CURRENT)

ASSOCIATE PROFESSOR – FULL TIME

UNIVERSITA' DEGLI STUDI DI MILANO, CHEMISTRY DEPT.

▪ TEACHING, RESEARCH – MEDICINAL CHEMISTRY
THERAPEUTIC AREAS – ONCOLOGY, CNS, ANTIBACTERIALS

(2003 - 2011)

ASSOCIATE PROFESSOR – PART TIME

UNIVERSITA' DEGLI STUDI DI MILANO, CHEMISTRY DEPT.

▪ TEACHING, RESEARCH – MEDICINAL CHEMISTRY
THERAPEUTIC AREAS – ONCOLOGY, CNS, ANTIBACTERIALS

(2015 - 2018)

R&D, BUSINESS DEVELOPMENT CONSULTANT

PROMIDIS SRL, MILAN, ITALY

▪ R&D PROJECT MANAGEMENT, BUSINESS DEVELOPMENT

SECTOR: PHARMA, MEDCHEM

(2006 - 2015)

R&D, BUSINESS DEVELOPMENT CONSULTANT

CISI SCRL, MILAN, ITALY

▪ R&D PROJECT MANAGEMENT, BUSINESS DEVELOPMENT

SECTOR: PHARMA, MEDCHEM

(2005 - 2008)

CHIEF BUSINESS OFFICER

NIKEM RESEARCH SRL, BARANZATE (MI), ITALY

▪ R&D PROJECT MANAGEMENT, BUSINESS DEVELOPMENT

SECTOR: PHARMA, MEDCHEM

(2003 - 2005)

CHIEF EXECUTIVE OFFICER

SIRENADE PHARMA, MUNICH, GERMANY

▪ R&D PROJECT/LAB MANAGEMENT, FINANCING, BUSINESS DEVELOPMENT

SECTOR: PHARMA, MEDCHEM, CNS-ONCOLOGY

(2000 - 2003)

CHIEF SCIENTIFIC OFFICER

NAD AG, MUNICH, GERMANY

▪ R&D PROJECT/LAB MANAGEMENT

SECTOR: PHARMA, MEDCHEM, CNS

(1997 - 2000)

DEPARTMENT HEAD – DRUG DISCOVERY

GLAXOWELLCOME, VERONA, ITALY

▪ R&D PROJECT/DEPT. MANAGEMENT

SECTOR: PHARMA, MEDCHEM, CNS-ANTIBACTERIALS

(1996 -1997) LAB HEAD

SMITHKLINE BEECHAM, RENNES, FRANCE

▪ R&D PROJECT/LAB MANAGEMENT

SECTOR: PHARMA, MEDCHEM, CNS-CV

(1995) VISITING SCIENTIST

SELECTIDE, TUCSON, USA

▪ R&D PROJECT MANAGEMENT

SECTOR: PHARMA, MEDCHEM, HIGH THROUGHPUT TECHNOLOGIES

(1987 – 1992, 1994) SCIENTIST, SENIOR SCIENTIST

MARION MERRELL DOW, GERENZANO (VA), ITALY

▪ R&D PROJECT COLLABORATION

SECTOR: PHARMA, MEDCHEM, ANTIVIRALS-ANTIBACTERIALS

(1993) VISITING SCIENTIST

MARION MERRELL DOW, STRASBOURG, FRANCE

▪ R&D PROJECT COLLABORATION

SECTOR: PHARMA, MEDCHEM, CNS-ANTIVIRALS

(1986) SCIENTIST

PIERREL, MILAN, ITALY

▪ R&D PROJECT COLLABORATION

SECTOR: PHARMA, MEDCHEM, INFLAMMATION

EDUCATION AND TRAINING

(1978 - 1983) ITALIAN LAUREA, CHIMICA PURA, 110/110 summa cum laude

UNIVERSITA' DEGLI STUDI DI PAVIA, ITALY - COLLEGIO GHISLIERI

▪ ORGANIC AND MEDICINAL CHEMISTRY

(1973 - 1978) HIGH SCHOOL

LICEO SCIENTIFICO G. CALINI, BRESCIA, ITALY

▪ SCIENCE-ORIENTED

PERSONAL SKILLS

Mother tongue(s): ITALIAN

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
	C2				
FRENCH	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD

			C2		
GERMAN	GOOD	GOOD	BASIC	GOOD	BASIC
			B1		
SPANISH	GOOD	GOOD	GOOD	GOOD	BASIC
			B2		

Communication skills

- good communication skills, either in scientific and in business environments. The former ones were gained through my experience as research scientist in multi-national pharma companies (Team Leader of international projects) and as University Professor (teaching, writing original papers and reviews); both roles required frequent presentation/seminars in international Conferences. The latter were acquired through executive roles in big pharma (Director) and small biotech companies (CEO, CSO, CBO), including company/group presentations at leading business Conferences (BIO, BIO EUROPE) and financing campaigns (business plans, venture capitals).

Organisational / managerial skills

- leadership in big pharma (up to 40 people/4 research labs, Dept. Director) and small biotechs (up to 30 people, CEO and CSO). Scientific leadership (big pharma – Team Leader; University – research group leader).

Job-related skills

- good command of safety protocols and procedures applied to research labs and environments
- evaluation of R&D projects for public (EU, French and Latvian institutions, Italian Ministry-MIUR, Italian regional institutions – Lombardia, Lazio, Puglia, Campania, Piemonte) and private parties (venture capitals)
- evaluation of academic performances in Italy (ANVUR – Departments, CdS)

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
BASIC	ADVANCED	BASIC	INTERMEDIATE	BASIC

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

- good command of office suite (word processor, spread sheet, presentation software)
- good command of research softwares (chemistry – modelling, information search DBs)

Other skills

-

Driving licence

B

ADDITIONAL INFORMATION

Publications

1. A. Coda, G. Desimoni, A. Invernizzi, P.P. Righetti, **P. Seneci** and G.F. Tacconi, *Copper (II) in organic synthesis II. A stereocontrolled route to alkylprolines*, Gazz. Chim. Ital. **115** (1985), 111-117.
2. A. Coda, G. Desimoni, M. Pappalardo, P.P. Righetti, **P. Seneci**, G.F. Tacconi and R. Oberti, *Copper (II) in organic synthesis IV. Reaction of the copper (II) acetate complex of isatin-3-arylhydrazones with dimethylacetylenedicarboxylate*, Tetrahedron **41** (1985), 2545-2555.

3. C. Fuganti, P. Grasselli, **P. Seneci**, S. Servi and P. Casati, *Immobilized benzylpenicillinacylase: application to the synthesis of optically active forms of carnitine and propranolol*, Tetrahedron Lett. **27** (1986), 2061-2062.
4. C. Fuganti, P. Grasselli, **P. Seneci** and P. Casati, *Further information on the steric course on the baker's yeast reduction of 4-substituted 3-oxobutanoates*, Tetrahedron Lett. **27** (1986), 5275-5276.
5. **P. Seneci**, A. Trani, P. Ferrari, R. Scotti and R. Ciabatti, *Synthesis and biological activity of O56 substituted carboxyesters and carboxyamides of teicoplanin aglycone*, J. Antibiotics **45** (1992), 1633-1644.
6. E. Sarubbi, **P. Seneci**, M.R. Angelastro, N.P. Peet, M. Denaro and K. Islam, *Peptide aldehydes as inhibitors of HIV proteases*, FEBS Letters **319** (1993), 253-256
7. **P. Seneci**, M. Caspani, F. Ripamonti and R. Ciabatti, *Synthesis and antimicrobial activity of oxazolidin-2-ones and related heterocycles*, J. Chem. Soc. Perkin Trans. I (1994), 2345-2351.
8. G. Ranaldi, **P. Seneci**, W. Guba, K. Islam and Y. Sambuy, *Transport of the antibacterial agent oxazolidin-2-one and derivatives across intestinal (Caco-2) and renal (MDCK) epithelial cell lines*, Antimicrob. Agents Chemother. **40** (1996), 652-658.
9. **P. Seneci**, C. Sizemore, K. Islam and P. Kocis, *Combinatorial chemistry and natural products. Teicoplanin aglycone as a molecular scaffold for solid phase synthesis of combinatorial libraries*, Tetrahedron Lett. **37** (1996), 6319-6322.
10. C. Sizemore, **P. Seneci**, P. Kocis, K.F. Wertman and K. Islam, *Combinatorial chemistry and natural products. Determination of the biological activity of on bead, double cleavable teicoplanin aglycone (TD)*, Protein and Peptide Letters, **3** (1996), pp.253-260.
11. **P. Seneci**, M. Caspani, F. Monti, L. Carrano, S. Lociuro and R. Ciabatti, *Synthesis of 2,5- and 2,4-cyclohexadiene-1,3-dicarboxylates via reductive alkylations of isophthalates*, Synth. Commun. **27** (1997), 795-809.
12. **P. Seneci**, I. Leger, M. Souchet and G. Nadler, *Stereoselective alkenylation of aldehydes with phosphorus carbanions: preparation of E- and Z-2-alkoxy- and 2-aryloxy-2-alkenoates*, Tetrahedron **53** (1997), 17097-17114.
13. **P. Seneci**, M. Caspani, F. Monti, L. Carrano and S. Lociuro, *Allylic functionalization of 2,5- and 2,4-cyclohexadiene-1,3-dicarboxylates*, Synth. Commun. **28** (1998), 2097-2123.
14. M. Panunzio, M. Villa, A. Missio, T. Rossi and **P. Seneci**, *Solution phase libraries of perhydrooxazin-4-ones*, Tetrahedron Lett. **39** (1998), 6585-6588.
15. R. Ferritto and **P. Seneci**, *High throughput purification methods in combinatorial solution phase synthesis*, Drugs of the Future **23** (1998), 643-654.
16. **P. Seneci**, *Combinatorial chemistry: basic principles and new trends*, La Chimica e l'Industria **80** (1998), 1183-1189.
17. **P. Seneci**, M. Inglesi, M. Nicola, E. Vanotti and G. Resnati, *Synthesis of mono- and disubstituted 1H-imidazo[1,2-b]pyrazoles*, Synth. Commun. **29** (1999), 311-341.
18. **P. Seneci**, *Direct deconvolution techniques for pool libraries of small organic molecules*, in "Combinatorial Chemistry and Combinatorial Technologies: Principles, Methods and Applications" (Eds. S. Miertus, G. Fassina), Marcel Dekker, Inc., New York (1999), 91-125.
19. **P. Seneci**, *Encoding techniques for pool libraries of small organic molecules*, in "Combinatorial Chemistry and Combinatorial Technologies: Principles, Methods and Applications" (Eds. S. Miertus, G. Fassina), Marcel Dekker, Inc., New York (1999), 127-167.
20. R. Ferritto, E. de Magistris, A. Missio, A. Paio and **P. Seneci**, *Solution phase combinatorial libraries of small organic molecules*, in "Combinatorial Chemistry and Combinatorial Technologies: Principles, Methods and Applications" (Eds. S. Miertus, G. Fassina), Marcel Dekker, Inc., New York (1999), 53-90.
21. S. Maiorana, **P. Seneci**, T. Rossi, C. Baldoli, M. Ciraco, E. de Magistris, E. Licandro, A. Papagni and S. Provera, *Synthesis of polymer-bound Fischer chromium alkoxy and aminocarbene complexes*, Tetrahedron Lett. **40** (1999), 3635-3638.
22. A. Paio, A. Zaramella, R. Ferritto, N. Conti, C. Marchioro and **P. Seneci**, *Solid-supported benzotriazoles: synthetic auxiliaries and traceless linkers for the combinatorial synthesis of amine libraries*, J. Comb. Chem. **1** (1999), 317-325.
23. **P. Seneci**, *New technologies in the third millennium. Applications in the discovery of*

new drugs and in catalysis, La Chimica e l'Industria **81** (1999), 1263-1264.

24. G. Faita, A. Paio, P. Quadrelli, F. Rancati and **P. Seneci**, *(4S)-p-hydroxybenzyl-1,3-oxazolidin-2-one as solid supported chiral auxiliary in asymmetric 1,3-dipolar cycloadditions*, Tetrahedron Lett. **41** (2000), 1265-1269.
25. A. Missio, C. Marchioro, T. Rossi, M. Panunzio, S. Selva and **P. Seneci**, *Polymer-supported silyl cyanide and silyl azide: useful reagents for solid-phase applications*, Biotechnol. Bioengineering **71** (2000), 38-43.
26. M. Rabinowitz, **P. Seneci**, T. Rossi, M. Dal Cin and M. Deal, *Solid-Phase/Solution-Phase Combinatorial Synthesis of Neuroimmunophilin Ligands*, Bioorg. Med. Chem. Lett. **10** (2000), 1007-1010.
27. G. Kennedy, M. Viziano, J. A. Winders, P. Cavallini, M. Gevi, F. Micheli, P. Rodegher, **P. Seneci** and A. Zumerle, *Studies on the novel anti-staphylococcal compound nematophin*, Bioorg. Med. Chem. Lett. **10** (2000), 1751-1754.
28. F. Gennari, **P. Seneci** and S. Miertus, *Application of Combinatorial Technologies for Catalyst Design and Development*, Catal. Rev. – Sci. Eng. **42** (2000), 385-402.
29. S. Maiorana, C. Baldoli, E. Licandro, L. Casiraghi, E. de Magistris, A. Paio, S. Provera and **P. Seneci**, *New Polymer-Bound Haloarene Chromium Dicarbonyl Isocyanide Complexes: A Successful Study Validating Their Use in Solid-Phase Synthesis*, Tetrahedron Letters **41** (2000), 7271-7275.
30. S. Miertus, G. Fassina and **P. Seneci**, *Concepts of Combinatorial Chemistry and Combinatorial Technologies*, Chemicke Listy **94** (2000), 1104-1110.
31. S. Miertus, G. Fassina and **P. Seneci**, *Basic concepts of combinatorial chemistry and combinatorial technologies*, in "Proceedings of the Southeast Asian Regional Workshop on Combinatorial Chemistry and Combinatorial Technologies" (Eds. S. Miertus, G. Fassina, **P. Seneci** and C. Calanasan), ICS-UNIDO Publications, Manila, Philippines (2000), 1-33.
32. **P. Seneci** and A. Paio, *Solid-Phase Synthesis of Substituted Amine Libraries*, in "Protocols in Combinatorial Chemistry and Combinatorial Technologies" (Eds. G. Fassina and S. Miertus), ICS-UNIDO Publications, Vienna, Austria (2000), 6.1-6.12.
33. **P. Seneci** and A. Missio, *Solution-Phase Synthesis of a Discrete Library of Heterocycles*, in "Protocols in Combinatorial Chemistry and Combinatorial Technologies" (Eds. G. Fassina and S. Miertus), ICS-UNIDO Publications, Vienna, Austria (2000), 7.1-7.9.
34. **P. Seneci** and S. Miertus, *Combinatorial Chemistry and High-Throughput Screening in Drug Discovery: Different Strategies and Formats*, Molecular Diversity **5** (2000), 75-89.
35. F. Micheli, F. Degiorgis, A. Feriani, A. Paio, A. Pozzan, P. Zarantonello and **P. Seneci**, *A Combinatorial Approach to [1,5]Benzothiazepine Derivatives as Potential Antibacterial Agents*, J. Comb. Chem. **3** (2001), 224-228.
36. **P. Seneci**, *New Trends in Combinatorial Technologies*, in "Trends and Applications of Combinatorial Chemistry and Molecular Design", ICS-UNIDO Publications, Vienna, Austria (2001), 27-32.
37. **P. Seneci** and S. Miertus, *Natural Products and Combinatorial Technologies: Basic Principles and New Trends*, in "Trends and Applications of Combinatorial Chemistry and Molecular Design", ICS-UNIDO Publications, Vienna, Austria (2001), 59-78.
38. **P. Seneci** and S. Miertus, *Combinatorial Technologies and Materials Science: Synthesis and Screening of Materials Libraries*, in "Trends and Applications of Combinatorial Chemistry and Molecular Design", ICS-UNIDO Publications, Vienna, Austria (2001), 79-92.
39. A. Paio, R. Ferritto Crespo, **P. Seneci** and M. Ciraco', *Solid-supported benzotriazoles: Synthetic Auxiliaries and Traceless Linkers for the Combinatorial Synthesis of Unsymmetrical Ureas*, J. Comb. Chem. **3** (2001), 354-359.
40. A. Zaramella, N. Conti, M. Dal Cin, A. Paio, **P. Seneci** and S. Gehanne, *Dansyl and Dabsyl Analytical Constructs as Tools for the Accurate Estimation of Compounds in Solid-Phase Synthesis*, J. Comb. Chem. **3** (2001), 410-420.
41. A. Bernardi, D. Arosio, L. Manzoni, F. Micheli, A. Pasquarello and **P. Seneci**, *Stereoselective Synthesis of Conformationally Constrained Cyclohexanediols: a Set of Molecular Scaffolds for the Synthesis of Glycomimetics*, J. Org. Chem. **66** (2001), 6209-6216.
42. G. Faita, A. Paio, P. Quadrelli, F. Rancati and **P. Seneci**, *Solid Supported Chiral Auxiliary*

in Asymmetric Synthesis. Part 2. Catalysis of 1,3-Dipolar Cycloadditions by Mg(II) Cation, Tetrahedron **57** (2001), 8313-8322.
43. **P. Seneci**, *Direct deconvolution techniques for pool libraries of small organic molecules*, J. Recept. Sign. Transduct. Res. **21** (2001), 377-408.
44. **P. Seneci**, *Encoding techniques for pool libraries of small organic molecules*, J. Recept. Sign. Transduct. Res. **21** (2001), 409-445.
45. **P. Seneci**, *Chemical diversity as a driving force to design and realize synthetic strategies leading to combinatorial libraries for lead discovery and lead optimization,* in "Trends in Drug Research III, Pharmacochemistry Library", Volume **32** (Ed. H. van der Goot), Elsevier, Amsterdam (2002), 147-160.
46. E. La Porta, U. Piarulli, F. Cardullo, A. Paio, S. Provera, **P. Seneci** and C. Gennari, *Cyclative Cleavage Via Solid-Phase Supported Stabilized Sulfur Ylides: Synthesis of Macrocyclic Lactones*, Tetrahedron Lett. **43** (2002), 761-766.
47. G. Faita, M. Mella, A. Mortoni, A. Paio, P. Quadrelli and **P. Seneci**, *Solid Phase 1,3-Dipolar Cycloadditions: Synthesis of 5-Membered Heterocycles*, Eur. J. Org. Chem. **57** (2002), 1175-1183.
48. **P. Seneci**, J. Miertus, A. Amoroso and S. Miertus, *Synergies between chemistry, proteomics and genomics*, La Chimica e l'Industria **84** (2002), 13-15.;
49. S. Gehanne, E. Grandini, A. Paio, G. Reginato and **P. Seneci**, *A New Analytical Method for Loading Estimation of Amino Acids on Resin Support*, Tetrahedron Letters **44** (2003), 1867-1870.
50. F. Peri, F. Nicotra, C. P. Lesile, F. Micheli, **P. Seneci** and C. Marchioro, *D-glucose as a regioselectively addressable scaffold for combinatorial chemistry on solid phase*, J. Carbohydrate Chem. **22** (2003), 57-71.
51. **P. Seneci**, *Once upon a time there was combinatorial chemistry…..*, Chimica Oggi **21** (2003), 67-69.
52. **P. Seneci**, *Combinatorial Chemistry and Combinatorial Technologies*, in "Molecular Modelling and Computer-Assisted Combinatorial Chemistry", ICS-UNIDO Publications, Vienna, Austria (2003).
53. **P. Seneci**, *Combinatorial Chemistry and Combinatorial Technologies: A Case Study*, in "Molecular Modelling and Computer-Assisted Combinatorial Chemistry", ICS-UNIDO Publications, Vienna, Austria (2003).
54. **P. Seneci**, *Chimica Combinatoriale*, in "Enciclopedia del Novecento. Supplemento. dal XX al XXI Secolo: Problemi e Prospettive", Enciclopedia Italiana Treccani, Roma, Italy (2003).
55. **P. Seneci**, *Polymer-supported trimethylsilyl cyanide*, in "Electronic encyclopedia of reagents for organic synthesis" (Editor-in-Chief L. A. Paquette), John Wiley and Sons Ltd (2003).
56. C. Baldoli, S. Maiorana, E. Licandro, L. Casiraghi, G. Zinzalla, **P. Seneci**, E. de Magistris, A. Paio and C. Marchioro, *Polymer-supported haloarene chromium dicarbonyl isonitrile complexes: a study of their synthesis and reactivity*, J. Comb. Chem. **5** (2003), 809-813.
57. S. Castoldi, M. Cravini, F. Micheli, E. Piga, G. Russo, **P. Seneci** and L. Lay, *Solution synthesis of two orthogonally protected lactosides as tetravalent disaccaride-based scaffolds*, Eur. J. Org. Chem. (2004), 2853-2862.
58. W. Froehner, B. Monse, T. Braxmeier, L. Casiraghi, H. Sahagun and **P. Seneci**, *Regiospecific synthesis of mono-N-substituted indolopyrrolocarbazoles*, Org. Lett. **7** (2005), 4573-4576.
59. S. LeCorre, H.W. Klafki, N. Plesnila, G. Huebinger, A. Obermeier, H. Sahagun, B. Monse, **P. Seneci**, J. Lewis, J. Eriksen, C. Zehr, M. Yue, E. McGowan, D.W. Dickson, M. Hutton and H.M. Roder, *An inhibitor of tau hyperphosphorylation prevents severe motor impairments in tau transgenic mice*, Proc. Natl. Acad. Sci. USA **103** (2006), 9673-9678.
60. **P. Seneci**, *Combinatorial Chemistry*, in "Comprehensive Medicinal Chemistry II" (Editors-in Chief J. Taylor and L. Triggs), Elsevier Ltd, Oxford (2006), 697-760.
61. E. Mastrangelo, F. Cossu, M. Milani, G. Sorrentino, D. Lecis, D. Delia, L. Manzoni, C. Drago, **P. Seneci**, C. Scolastico, V. Rizzo and M. Bolognesi, *Targeting the X-Linked Inhibitor of Apoptosis Protein (XIAP) through 4-substituted azabicyclo[5.3.0]alkane Smac mimetics. Structure, activity and recognition principles*, J. Mol. Biol. **384** (2008),

673-689.
62. F. Cossu, E. Mastrangelo, M. Milani, G. Sorrentino,D. Lecis, D. Delia, L. Manzoni, **P. Seneci**, C. Scolastico and M. Bolognesi, *Designing Smac-mimetics as antagonists of XIAP, cIAP1 and cIAP2*, Biochem. Biophys. Res. Commun. **378** (2009), 162-176.
63. F. Cossu, M. Milani, E. Mastrangelo, P. Vachette, F. Servida, D. Lecis, G. Canevari, D. Delia, C. Drago, V. Rizzo, L. Manzoni, **P. Seneci**, C. Scolastico and M. Bolognesi, *Structural Basis for Bivalent Smac-Mimetics Recognition in the IAP Protein Family,* J. Mol. Biol. **392** (2009), 630-644.
64. **P. Seneci**, *Fragment-based Drug Discovery–CHI's fourth annual meeting*, IDrugs **12** (2009), 353-357.
65. **P. Seneci**, *Kinase inhibitor chemistry: Charting the chemical space-CHI's fourth annual meeting*, IDrugs **12** (2009), 358-362.
66. **P. Seneci**, A. Bianchi, C. Battaglia, L. Belvisi, M. Bolognesi, A. Caprini, F. Cossu, E. de Franco, M. de Matteo, D. Delia, C. Drago, A. Khaled, D. Lecis, L. Manzoni, M. Marizzoni, E. Mastrangelo, M. Milani, I. Motto, D. Potenza, V. Rizzo, F. Servida, E. Turlizzi, M. Varrone, F. Vasile and C. Scolastico, *Rational design, synthesis and characterization of potent, non-peptidic Smac mimics/XIAP inhibitors as pro-apoptotic agents in cancer therapy*, Bioorg. Med. Chem. **17** (2009), 5834-5856.
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69. **P. Seneci**, *Anti-inflammatories: small molecule approaches-CHI's inaugural event*, IDrugs **13** (2010), 379-382.
70. C. Podlipnik, F. Tutino, A. Bernardi and **P**. **Seneci**, *DFG-in and DFG-out Homology Models of TrkB kinase receptor: Induced–fit and Ensemble docking*, Journal of Molecular Graphics and Modelling **29** (2010), 309-320.
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74. **P. Seneci**, *Trialkylsilyl cyanide*, *polymer-supported,* in "Handbook of reagents for organic synthesis: Reagents for silicon-mediated organic synthesis" (Editor-in-Chief P. Fuchs), John Wiley and Sons Ltd. (2011), 494-496.
75. A. Bianchi, M. Ugazzi, L. Ferrante, D. Lecis, C. Scavullo, E. Mastrangelo and **P. Seneci**, *Rational design, synthesis and characterization of potent, drug-like monomeric Smac mimics as pro-apoptotic anticancer agents*, Bioorg. Med. Chem. Lett. **22** (2012), 2204-2208.
76. J. Kongkamnerd, L. Cappelletti, A. Prandi, **P. Seneci**, T. Rungrotmongkol, N. Jongaroonngamsang, P. Rojsittishak, V. Frecer, A. Milani, G. Cattoli, C. Terregino, I. Capua, L. Beneduce, A. Gallotta, P. Pengo, G. Fassina, S. Miertus, W. De-Eknamkul. *Synthesis and in vitro study of novel neuraminidase inhibitors against avian influenza virus*. Bioorg. Med. Chem. **20** (2012), 2152-2157.
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3. *New trends in solution phase combinatorial chemistry*, in *Advanced Course of Medicinal Chemistry and National Seminar for doctorate students*, Urbino (Italy), July 2nd-5th, 1997.
4. *Liquid phase combinatorial chemistry* and *Deconvolution techniques in combinatorial chemistry*, in *Methodologies, applications and economics of combinatorial chemistry and combinatorial technologies*, ICS-UNIDO and Tecnogen SpA, Piana di Monte Verna (Italy), September 8th-19th, 1997.
5. *New strategies in drug discovery*, in *38th AFI Symposium*, Montecatini Terme (Italy), June 3rd-5th, 1998.
6. *The impact of combinatorial technologies in the acceleration of the drug discovery cycle*, in the *9th Workshop in Clinical Pharmacology*, University of Milan, June 9th, 1998.

7. *Trends in Combinatorial Technology* and *A case study of Pharma applications*, in the *Expert Group Meeting on Combinatorial Chemistry, Combinatorial Technologies and Molecular Design*, ICS-UNIDO, Trieste (Italy), June 15th-17th, 1998.
8. *Liquid phase combinatorial chemistry, Deconvolution techniques in combinatorial chemistry, Solid phase combinatorial chemistry* and *Trends in Combinatorial Technology* in the *Workshop on Combinatorial Technologies*, ICS-UNIDO and University of India, Hyderabad (Italy), October 23rd-31st, 1998.
9. *Economics of Combinatorial Technologies*, *Natural Products and Combinatorial Technologies* and *Synthetic Organic Combinatorial Libraries* in the *Workshop on Combinatorial Technologies and Natural Products*, ICS-UNIDO and University of the Philippines, Los Banos (Philippines), April 19th-23rd, 1999.
10. *Combinatorial Chemistry and Drug Discovery: Many Formats for the Same Goal* in the *First International Combinatorial Chemistry Symposium (ICCS*), Tubingen (Germany), October 3rd-6th, 1999.
11. *Combinatorial Libraries of Polymers and Catalysts: Examples and Applications* in *Chemical Libraries and High Throughput Screening in Biotechnology*, Siena, November 12th, 1999.
12. *Combinatorial Chemistry and Combinatorial Technologies: Principles and Methods*, in *Training Course in Molecular Modelling and Computer Assisted Combinatorial Chemistry*, ICS-UNIDO, Trieste (Italy), November 29th- December 3rd, 1999.
13. *A Survey of Combinatorial Technology Activities in GlaxoWellcome-Italy*, Gordon Conferences, Il Ciocco (Italy), May 28th, 2000.
14. *Combinatorial Chemistry and Combinatorial Technologies: Principles and Methods*, *Synthetic Organic Combinatorial Libraries, Combinatorial Libraries of Polymers and Catalysts* and *Analytical Characterization and Quality Control of Combinatorial Libraries* in the *Workshop on Combinatorial Technologies*, ICS-UNIDO and University of Mexico, Juriquilla (Mexico), May 30th-June 2nd, 2000.
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16. *Views from Industry in Combinatorial Chemistry, Combinatorial Technologies and Molecular Modelling* in the *Expert Group Meeting on Combinatorial Chemistry, Combinatorial Technologies and Molecular Design*, ICS-UNIDO, Trieste (Italy), January 29th-30th, 2001.
17. *Combinatorial Chemistry: Principles and New Trends* in the *Workshop on Combinatorial Technologies for the Development of Novel Pharmaceutically Active Compounds*, AlfaTech and Tecnofarmaci, Roma (Italy), March 20th, 2001.
18. *Combinatorial Chemistry and Combinatorial Technologies: Principles and Methods*, *Combinatorial Technologies in Drug Discovery and Agricultural Research*, *Combinatorial Chemistry of Natural Products* in the *Workshop on Combinatorial Technologies, Natural Products and HTS*, ICS-UNIDO and University of Chulalongkorn, Bangkok (Thailand), April 23rd-27th, 2001.
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24. Molecular Diversity in Drug Discovery: A Critical Assessment, in *Trends and Applications in Combinatorial Chemistry and Combinatorial Technologies*, ICS-UNIDO and Federal University of Sao Carlos, Sao Pedro (Brasil), November 20th-23rd, 2002.

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26. *Combinatorial Chemistry and Technologies: Basic Principles and New Trends,* in the *Training Course on Molecular Design and Computer-Assisted Combinatorial Chemistry,* ICS-UNIDO, Trieste (Italy), July 6th-8th, 2004.
27. *Combinatorial Chemistry and Technologies: Applications to Natural Products Research,* in the *Training Course on Molecular Design and Computer-Assisted Combinatorial Chemistry,* ICS-UNIDO, Trieste (Italy), July 6th-8th, 2004.
28. *Exploitation of Biodiversity Using Combinatorial Technologies and Molecular Design* in the *Expert Group Meeting on Combinatorial Chemistry, Combinatorial Technologies and Molecular Design*, ICS-UNIDO, Trieste (Italy), October 14th-15th, 2004.
29. *NiKem Research: Company Presentation*, at the *IX Biotech and Finance Forum*, Europe Unlimited, Munich (D), June 2005.
30. *Diversity-Oriented Synthesis of Linear and Cyclic Peptidomimetic Libraries with Biological Activity*, in the *EUROCOMBI-3 Chemistry Conference,* Winchester (UK), July 18th-21st, 2005.
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32. *NiKem Research: Company Presentation*, at the *X Biotech and Finance Forum*, Europe Unlimited, Barcelona (E), December 1st, 2005.
33. *Chemical Biology in Italy*, in the *Statusseminar on Chemical Biology*, DECHEMA, Frankfurt (D), December 5th-6th, 2005.
34. *Combinatorial Technologies in the exploitation of biodiversity*, in the *Expert Group Meeting on Project Networking*, ICS-UNIDO, Trieste (I), December 12th- 13th, 2005.
35. *High Quality Medchem: A Key Value in the Shifting R&D Paradigm*, in the *European School of Medicinal Chemistry (ESMEC) 2006*, Urbino (Italy), July 2nd-6th, 2006.
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37. *NiKem Research: Company Presentation*, at the *14th International Molecular Medicine Triconference*, San Francisco (US), February 27th-March 2nd, 2007.
38. *Novel Concepts in the Design of Kinase Inhibitors for the Treatment of CNS Diseases*, in the *41st IUPAC World Chemistry Congress*, Turin (Italy), August 5th- 11th, 2007.
39. *Center for Biomolecular Interdisciplinary Studies and Industrial Applications*, in *Bioforum 2007*, Milan (Italy), September 25th-26th, 2007.
40. *Overview of Combinatorial Technologies in Modern Natural Products Research* and *Case Studies Combinatorial Technologies in Modern Natural Products Research*, in the *Workshop on Combinatorial Chemistry/Technologies and Molecular Design to Exploit Natural Product Diversity*, Bangkok (Thailand), November 30th-December 4th, 2007.
41. *Introduction to Combinatorial Chemistry and Technologies: Principles and Methods* and *Application of Combinatorial Technologies in Natural Products Research*, in the *Training Course on Molecular Design and Computer-Assisted Combinatorial Chemistry*, Douala (Cameroon), December 10th-14th, 2007.
42. *Novel Concepts in the Design of Kinase Inhibitors as Treatments for CNS Diseases*, in the *Second European Workshop in Drug Synthesis (II EWDSy)*, Siena (Italy), May 25th-30th, 2008.
43. *Introduction to Combinatorial Chemistry and Technologies: Principles and Methods,* in the *Training Course on Molecular Design and Computer-Assisted Combinatorial Chemistry,* ICS-UNIDO, Trieste (I), June 30th-July 2nd, 2008.
44. *Industrial Applications of Combinatorial Chemistry and Technologies: Selected Case Studies,* in the *Training Course on Molecular Design and Computer- Assisted Combinatorial Chemistry,* ICS-UNIDO, Trieste (I), June 30th-July 2nd, 2008.
45. *Modern High Throughput Technologies in Drug Design and Discovery: Solutions and Trends for Developing Countries,* in the *International Conference on Drug Design and Discovery for Developing Countries,* Jolly Hotel, Trieste (I), July 3rd- 5th, 2008.
46. *Protein-Protein Interactions in Apoptosis: the Smac-XIAP Example*, in the *European Chemical Biology Symposium (ECBI 2008),* Barcelona (Spain), July 10th-11th, 2008.

47. *Structure-based drug design of novel pro-apoptotic Smac/DIABLO mimetics for anticancer therapy*, in the *XIX National Meeting on Medicinal Chemistry (NMMC)*, Verona (Italy), September 14th-18th, 2008.
48. *Good Medicinal Chemists: A Key Value in Modern Pharmaceutical Research*, in the *8th Laboratory of Synthetic Methodologies in Medicinal Chemistry, Certosa di Pontignano*, SCI, Siena (Italy), February 15th-19th, 2009.
49. *Combinatorial Chemistry in Drug Discovery: challenges for anti-malaria drugs,* in the Workshop on Advanced Design and Development of potential Drugs against Malaria*,* Hotel Riviera, Trieste (Italy), March 9th-11th, 2009.
50. *Modern High Throughput Technologies in Drug Design and Discovery: Solutions and Trends for Developing Countries* and *Synthesis of Targeted Shikimate Derivatives*, in the *Workshop on Design and Discovery of Drugs against HIV, Dengue Fever and Avian Influenza*, Bangkok (Thailand), May 4th-6th, 2009.
51. *Drug Discovery using Combinatorial Chemistry Approaches*, in the *2nd Conference on Drug Development for the Third World: From Computational Molecular Biology to Experimental Approaches*, ICTP, Trieste (Italy), June 1st-5th, 2009.
52. *Structure-based drug design of novel pro-apoptotic Smac/DIABLO mimetics for anticancer therapy*, in the 5th Annual Drug Discovery Chemistry Meeting, CHI, San Diego (CA), April 27th-29th, 2010.
53. *Proapoptotic Smac/Diablo mimetics for anticancer therapy: Structure-based* d*rug design*, in the Third European Workshop in Drug Synthesis/EWDS, Siena, Italy, May 23rd-27th, 2010.
54. *Structure-based drug design of novel mono- and dimeric pro-apoptotic Smac/DIABLO mimetics for anticancer therapy*, in the 20th Molecular Medicine Tri-Con – Mastering Medicinal Chemistry stream, CHI, San Francisco (CA), US, February 12th-15th, 2013.
55. *Innovative chemical strategies to develop pro-apoptotic compounds*, in the "Cell Death and Disease" Workshop, Menaggio (CO), Italy, June 19th-22nd, 2013.
56. *Novel pro-apoptotic agents: chemistry-driven design, synthesis and characterization,* in the 2nd Workshop - Chemical Approaches to Targeting Drug Resistance in Cancer Stem Cells, COST Action 1106, Puerto de la Cruz, Spain, October 14th-15th, 2014.
57. *Rational design, parallel synthesis and biological characterization of Smac peptidomimetics as pro-apoptotic agents against cancer*, in the 5th International Applied Natural Sciences Conference (ANS2015), Jasnà, Slovakia, September 30th-October 2nd, 2015.
58. *Function-oriented Synthesis (FOS), Rational Design and Serendipity: The AZA-tanshinone Story*, in the 5th Drug Discovery & Therapy World Conference (DDTWC), Boston, US, July 10th-13th, 2017.

May 11th, 2023