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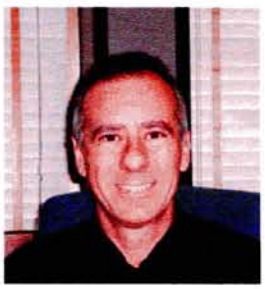
Europass Curriculum Vitae



Personal information

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E-mail	roberto.disanto@uniroma1.it
Nationality	Italian
Date of birth	07/06/1963
Gender	M
Occupational field	University Associated Professor

Work experience

2011-1998 up to day Associated Professor in Medicinal Chemistry (Faculty of Pharmacy, Sapienza University of Rome)
2010 enabled as Full Professor in Medicinal Chemistry (University of Turin)
2009 Chief of the Degree Course in Pharmaceutical Applied Science (Faculty of Pharmacy, Sapienza University of Rome)
2005 Chief of the Degree Course in Scientific Information about Drugs, Science and Thecnology of Erbal Products, Environmental Toxicology (Faculty of Pharmacy, Sapienza University of Rome)
1996 Researcher in Medicinal Chemistry (Faculty of Pharmacy, Sapienza University of Rome)
1995 enabled to the profession of pharmacist
1989 Graduated Chemical Technician (Dpt. of Pharmaceutical Studies, Sapienza University of Rome)
1987 Army Officer (NBC Army Headquarters, Rome)

Education and training

1995 enabled to the profession of pharmacist
1994 Degree in Pharmacy (Sapienza University of Rome)
1988 Fellowship Pasteur Institut (Sapienza University of Rome)
1987 enabled to the profession of chemist
1986 Degree in Chemistry (Sapienza University of Rome)
1981 Classical Liceum (Anco Marzio Lyceum, Rome)

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English**

Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
Language	B2	B2	B2	B2	C1
Language					

(*) Common European Framework of Reference for Languages

Additional information

International collaboration in the Medicinal Chemistry field:
Prof. I. Pommier, NHI, National Cancer Institute, Bethesda (USA), research on inhibitors of HIV Integrase;
- Prof. H. Waldmann, Max-Plank Institut, Dortmund University (Germany), antitumor agents;
- Prof. Michael Gelb, Washington University, Seattle (USA) anti-protozoal agents;
- Dott. Reto Brunn, Swiss Tropical Institute Parasite Chemotherapy Basel (Swissland) anti-protozoal agents;
- Prof. A. Siddiqui, University of San Diego (USA), research on anti- HCV agents;
- Dott. I. Sattler, Hans-Knoell Institut, Jena (Germany), farnesyl transferatse inhibitors;
- Prof. S. Rault, CERMN, University of Caen (France), research on 5-HT receptors ligands;
- Dott. Svend Borup Jensen PET-center Århus University Hospital Århus C (Danmark)
PET studies on MAO inhibitors.

Annexes

List any items attached.

Scientific Publication

1) Z. Michelini , C. M. Galluzzo, D. R. Negri, P. Leone , R. Amici , R. Bona, V. Summa, R. Di Santo, R. Costi, Y. Pommier, C. Marchand, L. Palmisano, S. Vella, A. Cara.
Evaluation of HIV-1 integrase inhibitors on human primari macrophages using a luciferase-based single-cycle phenotypic assay.

J. Virol. Methods **2010**, *168*, 272-276. **DOI**:10.1016/j.jviromet.2010.06.004 (IF_{09} = 2.133)

2) E. Tramontano, R. Di Santo
HIV-1 RT-associated RNase H function inhibitors: recent advances in drug development

Curr. Med. Chem. **2010**, *17*, 2837-2853. **ISSN**: 0929-8673 (IF_{09} = 4.708)

3) R. Di Santo
Natural Products as Antifungal Agents Against Clinically Relevant Pathogens.

Nat. Prod. Rep. **2010**, *27*, 1084-1098. **DOI**: 10.1039/b914961a (IF_{09} = 9.202)

4) M. Mazzarino, X. de la Torre, R. Di Santo, I. Fiacco, F. Rosi, F. Botre`
Mass spectrometric characterization of tamoxifene metabolites in human urine utilizing different scan parameters on liquid chromatography/tandem mass

Spectrometry.

Rapid Commun. Mass Spectrom. **2010**, *24*, 749–760. **DOI**: 10.1002/rcm.4432 (IF_{09} = 2.695)

5) R. Cirilli, R. Costi, R. Di Santo, F. La Torre, M. Pierini, G. Siani
Perturbing effects of chiral stationary phase on enantiomerization second-order rate constants determined by enantioselective dynamic high-performance liquid chromatography: a practical tool to quantify the accessible acid and basic catalytic sites bonded on chromatographic supports.

Anal. Chem. **2009**, *81*, 3560-3570. **DOI:** 10.1021/ac802212s (IF = 5.214)

6) O. Jegede, J. Babu, R. Di Santo, D. J. McColl, J. Weber, M. E. Quiñones-Mateu
HIV type 1 integrase inhibitors: from basic research to clinical implications.
AIDS Rev. **2008**, *10*, 172-189.

7) R. Di Santo, R. Costi A. Roux, G. Miele, G. Cuzzucoli Crucitti, A. Iacovo, F. Rosi, A. Lavecchia, L. Marinelli, C. Di Giovanni, E. Novellino, L. Palmisano, M. Andreotti, R. Amici, C. M. Galluzzo, L. Nencioni, A. T. Palamara, Y. Pommier, C. Marchand.
Novel quinolinonyl diketo acid derivatives as HIV-1 integrase inhibitors: design, synthesis and biological activities.

J. Med. Chem. **2008**, *51*, 4744-4750. **DOI:** 10.1021/jm8001422

8) K. Terrazas-Aranda, Y. Van Herrewege, D. Hazuda, P. Lewi, R. Costi, R. Di Santo, A. Cara, G. Vanham.
Human immunodeficiency virus type 1 (HIV-1) integration: a potential target for microbicides to prevent cell-free or cell-associated HIV-1 infection.

Antimicrob. Agents Chemother. **2008**, *52*, 2544-2554. **DOI**:10.1128/AAC.01627-07

9) R. Di Santo.
Recent patents in antifungal agent discovery.

Expert. Opin. Ther. Patents, **2008**, *18*, 275-292. **DOI**:10.1517/13543776.18.3.275

10) S. B. Jensen, R. Di Santo, A. K. Olsen, K. Pedersen, R. Costi, R. Cirilli, P. Cumming.
Synthesis and cerebral uptake of 1-(1-[^{11}C]methyl-1*H*-pyrrol-2-yl)-2-phenyl-2-(1-pyrrolidinyl)ethanone a novel tracer for positron emission tomography studies of monoamine oxidase type A.

J. Med. Chem. **2008**, *51*, 1617-1622. **DOI:** 10.1021/jm701378e

11) M. Cianfriglia, M. L. Dupuis, A. Molinari, A. Verdoliva, R. Costi, C. M. Galluzzo, M. Andreotti, A. Cara, R. Di Santo, L. Palmisano.
HIV-1 integrase inhibitors are substrates for the multidrug transporter MDR1-P-glycoprotein.

Retrovirology **2007**, *4*, 17. **DOI**:10.1186/1742-4690-4-17

12) R. Costi, R. Di Santo, M. Artico, G. Miele, P. Valentini, E. Novellino, A. Cereseto.
Cynnamoyl compounds as simple molecules that inhibit p300 histone acetyltransferase.

J. Med. Chem. **2007**, *50*, 1973-1977. **DOI:** 10.1021/jm060943s

Mol. Pharmacol. **2007**, *71*(3), 893-901. **DOI**:10.1124/mol.106.030817

Works

13) A. A. Johnson, C. Marchand, S. S. Patil, R. Costi, R. Di Santo, T. R. Burke, Jr., Y. Pommier.
Probing HIV-1 integrase inhibitor binding sites with position-specific integrase-DNA cross-linking assays.

Mol. Pharmacol. **2007**, *71*(3), 893-901. **DOI**:10.1124/mol.106.030817

14) A. Lavecchia, R. Costi, M. Artico, G. Miele, E. Novellino, A. Bergamini, E. Crespan, G. Maga, R. Di Santo.
Arylthiopyrrole (AThP) Derivatives as Non-Nucleoside HIV-1 Reverse Transcriptase Inhibitors. Synthesis, Structure-Activity Relationships and Docking Studies. Part 2.

Chem. Med. Chem. **2006**, *1*, 1379-1390. **DOI**: 10.1002/cmdc.200600122

15) A. Lavecchia, R. Costi, M. Artico, G. Miele, E. Novellino, A. Bergamini, E. Crespan, G. Maga, R. Di Santo.
Arylthiopyrrole (AThP) Derivatives as Non-Nucleoside HIV-1 Reverse Transcriptase Inhibitors. Synthesis, Structure-Activity Relationships and Docking Studies. Part 2.

Chem. Med. Chem. **2006**, *1*, 1379-1390. **DOI**: 10.1002/cmdc.200600122

16) R. Di Santo, R. Costi, M. Artico, G. Miele, A. Lavecchia, E. Novellino, A. Bergamini, R. Cancio, G. Maga.
Arylthiopyrrole (AThP) Derivatives as Non-Nucleoside HIV-1 Reverse Transcriptase Inhibitors. Synthesis, Structure-Activity Relationships and Docking Studies. Part 1.

Chem. Med. Chem. **2006**, *1*, 1367-1378. **DOI**: 10.1002/cmdc.200600119

17) R. Bona, M. Andreotti, V. Buffa, P. Leone, C. M. Galluzzo, R. Amici, L. Palmisano, M. G. Mancini, Z. Michelini, R. Di Santo, R. Costi, A. Roux, Y. Pommier, C. Marchand, S. Vella, A. Cara.
Development of a Human Immunodeficiency Virus Vector-Based, Single-Cycle Assay for Evaluation of Anti-Integrase Compounds.

Antimicrobial Ag. Chemother. **2006**, 50, 3407-3417. **DOI**:10.1128/AAC.00517-06

18) R. Di Santo
Recent Development in Antifungal Drug Discovery

Ann. Rep. Med. Chem. **2006**, *41*, 299-315. **DOI**:10.1016/S0065-7743(06)41020-4

19) R. Di Santo, G. Maga.
Human Terminal Deoxynucleotidyl Transferase as Novel Targets for Anticancer Chemotherapy.

Curr. Med. Chem. **2006**, *13*, 2353-2368. **DOI:** 10.2174/092986706777935087

20) R. Di Santo, R. Costi, A. Roux, M. Artico, A. Lavecchia, L. Marinelli, E. Novellino, L. Palmisano, M. Andreotti, R. Amici, C. M. Galluzzo, L. Nencioni, A. T. Palamara, Y. Pommier, C. Marchand.
Novel Bifunctional Quinolonyl Diketo Acid Derivatives as HIV-1 Integrase Inhibitors: Design, Synthesis, Biological Activities and Mechanism of Action
J. Med. Chem. **2006**, *49*, 1939-1945. **DOI:** 10.1021/jm0511583

21) R. Di Santo, R. Costi, M. Artico, R. Ragno, A. Lavecchia, E. Novellino, E. Gavuzzo, F. La Torre, R. Cirilli, R. Cancio, G. Maga.
Design, Synthesis, Biological Evaluation, and Molecular Modeling Studies on TIBO-Like Cyclic Sulfones as Novel Non-Nucleoside HIV-1 Reverse Transcriptase Inhibitors.

Chem. Med. Chem. **2006**, *1*, 82-95. **DOI**: 10.1002/cmdc.200500020

22) R. Di Santo, M. Fermeglia, M. Ferrone, M. S. Paneni, R. Costi, M. Artico, A. Roux, M. Gabriele, K. D. Tardif, A. Siddiqui, S. Pricl.
Simple but Highly Effective Three-Dimensional Chemical-Feature-Based Pharmacophore Model for Diketo Acid Derivatives as Hepatitis C Virus RNA-Dependent RNA Polymerase Inhibitors.

J. Med. Chem. **2005**, *48*, 6304-6314. **DOI:** 10.1021/jm0504454

23) G. A. Locatelli, R. Di Santo, E. Crespan, R. Costi, A. Roux, U. Hübscher, I. Shevelev, G. Blanca, G. Villani, S. Spadai, G. Maga.
Diketo hexenoic acid derivatives are novel selective non-nucleoside inhibitors of mammalian terminal deoxynucleotidyl transferases, with potent cytotoxic effect against leukemic cells.

Mol. Pharmacol. **2005**, *68*, 538-550. **DOI**:10.1124/mol.105.013326

24) R. Di Santo, A. Tafi, R. Costi, M. Botta, M. Artico, F. Corelli, M. Forte, F. Caporuscio, L. Angiolella, A. T. Palamara.
Antifungal Agents. 11. *N*-Substituted Derivatives of 1-[(Aryl)(4-aryl-1*H*-pyrrol-3-yl)methyl]-1*H*-imidazole, Synthesis, Anti-*Candida* Activity and QSAR Studies.

J. Med. Chem. **2005**, *48*, 5140-5153. **DOI:** 10.1021/jm048997u

25) R. Di Santo, R. Costi, A. Roux, M. Artico, O. Befani, T. Meninno, E. Agostinelli, P. Palmegiani, P. Turini, R. Cirilli, R. Ferretti, B. Gallinella, F. La Torre.
Design, Synthesis and Biological Activities of Pyrrolylethanoneamine Derivatives, a Novel Class of MAO Inhibitors.

J. Med. Chem. **2005**, *48*, 4220-4223. **DOI:** 10.1021/jm050172c

26) E. Tramontano, F. Esposito, R. Badas, R. Di Santo, R. Costi, P. La Colla.
6-[1-(4-Fluorophenyl)methyl-1H-pyrrol-2-yl)]-2,4-dioxo-5-hexenoic acid ethyl ester a novel diketo acid derivative which selectively inhibits the HIV-1 viral replication in cell culture and the ribonuclease H activity in vitro.

Antiviral Res. **2005**, *65*, 117-124. **DOI**:10.1016/j.antiviral.2004.11.002

27) R. Costi, R. Di Santo, M. Artico, A. Roux, R. Ragno, S. Massa, E. Tramontano, M. La Colla, R. Loddo, M. E. Marongiu, A. Pani, P. La Colla.
6-Aryl-2,4-dioxo-5-hexenoic Acids, Novel Integrase Inhibitors Active Against HIV-1 Multiplication in Cell-Based Assays.

Bioorg. Med. Chem. Lett. **2004**, *14*, 1745-1749. **DOI**:10.1016/j.bmcl.2004.01.037

28) R. Costi, R. Di Santo M. Artico, S. Massa, R. Ragno, R. Loddo, M. La Colla, E. Tramomtano, P. La Colla, A. Pani. 2,6-Bis(3,4,5-trihydroxybenzylidene) derivatives of cyclohexanone: novel potent HIV-1 integrase inhibitors that prevent HIV-1 multiplication in cell-based assays.
Bioorg. Med. Chem. **2004**, *12*, 199-215. **DOI**:10.1016/j.bmc.2003.10.005

29) F. La Torre, R. Cirilli, R. Ferretti, B. Gallinella, R. Costi, R. Di Santo. Conversion of a Racemic Mixture of 8-Chloro-2-(2,6-difluorophenylmethyl)-2,3-dihydro-3-methyl-1,2,5-benzothiadiazepin-4(5*H*)-one 1,1-Dioxide into a Single Enantiomer Via a Chromatographic Resolution/Racemization Method.
Chirality **2003**, *15*, 429-432. **DOI**: 10.1002/chir.10226

30) R. Cirilli, R. Costi, R. Di Santo, M. Artico, A. Roux, B. Gallinella, L. Zanitti, F. La Torre. Enantioselective liquid chromatography of C_3-chiral 2,3-dihydro-1,2,5-benzothiadiazepin-4(5H)-one and thione 1,1-dioxides on polyacrylamide- and polysaccaride-based chiral stationary phases.
J. Chromatography Sec. A **2003**, *993*, 17-28. **DOI**:10.1016/S0021-9673(03)00321-2

Textbooks (Chapters, etc.) | Translation in Italian language of parts of Foye's Principles of Medicinal Chemistry, VI Ed.