DIPARTIMENTO DI CHIMICA
E TECNOLOGIE DEL FARMACO

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Giuseppe La Regina
Curriculum Vitae et Studiorium

❑ Personal Information

Surname and Name: La Regina Giuseppe
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❑ Current Position

Since November 2008: Assistant Professor in Medicinal Chemistry, Dipartimento di Chimica e Tecnologie del Farmaco, Sapienza Università di Roma.

❑ Main Scientific Interests

Design, synthesis and development of anti-infective (human immunodeficiency virus 1, rhinovirus, hepatitis C virus, *Dengue* virus, *Mycobacterium tuberculosis* and *Candida albicans*), anti-cancer (tubulin, apoptosis, histone demethylase, matrix metalloproteinases, BCL-2 family members, Frizzled4, carbonic anhydrase, and indoleamine 2,3-dioxygenase 1) and central nervous system active (monoamine oxidases, endocannabinoid system, glycogen synthase kinase 3 beta) agents; microwave-assisted organic synthesis; molecular modelling studies.

❑ Work Experience

April 2007 - November 2008: Design, synthesis and development of new inhibitors of tubulin polymerization as anticancer agents, Dipartimento di Chimica e Tecnologie del Farmaco, Sapienza Università di Roma, supervision by Prof. Romano Silvestri

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(three-year grant financed by Associazione Italiana per la Ricerca sul Cancro, Milan, Italy).

April 2005 - March 2007: Post-Doc Position, Welsh School of Pharmacy, Cardiff University, United Kingdom, Molecular modelling studies to design new inhibitors of tubulin polymerization as anticancer agents, supervision by Dr Andrea Brancale (two-year grant financed by Istituto Pasteur – Fondazione Cenci Bolognetti, Rome, Italy).

November 2001 - October 2004: PhD course in Medicinal Chemistry, Dipartimento di Studi Farmaceutici (Medicinal Chemistry Department), Sapienza Università di Roma, Design, synthesis and development of new non-nucleoside reverse transcriptase inhibitors of HIV-1 as anti-AIDS agents, supervision by Prof. Romano Silvestri.

January 2000 - April 2001: Training Graduation at Dipartimento di Studi Farmaceutici, Sapienza Università di Roma, Design, synthesis and development of new non-nucleoside reverse transcriptase inhibitors of HIV-1, supervision by Prof. Romano Silvestri.

❑ Education

Italian Level 2 Master in Drug Design and Development, May 2007, Faculty of Pharmacy, Università degli Studi di Pavia, Pavia, Italy, Arylthioindoles, potent inhibitors of tubulin polymerization, supervision by Prof. Ornella Azzolina and Prof. Romano Silvestri.

PhD in Medicinal Chemistry, March 2005, Dipartimento di Studi Farmaceutici, Sapienza Università di Roma, Indolyl aryl sulfones, potent non-nucleoside reverse transcriptase inhibitors of WT HIV-1 and clinically relevant resistant mutants. SAR studies on substituents at the 2-carboxyamide function and at position 5 of the indole nucleus, supervision by Prof. Romano Silvestri.

Pharmacy Qualification, December 2007, Sapienza Università di Roma, with registration at Professional Board of Salerno (n. 656), Italy.

Graduation in Pharmacy, July 2001, Facoltà di Farmacia (Faculty of Pharmacy), Sapienza Università di Roma, full marks, Sintesi ed attività biologica anti-HIV-1 di analoghi azotati e solforati di 1-(2-(diarilmetossi)etil)-2-metil-5-nitroimidazoli (DAMNI) (Novel 1-[2-(diarylmethoxy)ethyl]-2-methyl-5-nitroimidazoles as HIV-1 non-nucleoside reverse transcriptase inhibitors), supervision by Prof. Romano Silvestri.

Classic High School, July 1996, Liceo Classico Statale “M. T. Cicerone”, Sala Consilina, Italy, full marks.

❑ Languages

Italian: native

English: fluent written and oral skills; grade 8, Trinity College (London), June 2004.

❑ Further Courses

Fifth European Workshop in Drug Synthesis, May 18-23 2014, Siena, Italy.

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Fourth European Workshop in Drug Synthesis, May 27-31 2012, Siena, Italy.

Nono Laboratorio di Metodologie Sintetiche in Chimica Farmaceutica, Febrauary 14-18 2010, Siena, Italy.

Seventh European Workshop in Drug Design, May 24-30 2009, Siena, Italy.

Prodotti Medicinali di Origine Naturale, May 5 and 12 2006, Pavia, Italy.

3° Seminario Scientifico, Proprietà e applicazioni delle microonde nel processo di drug discovery, March 31 2006, Pavia, Italy.

ESMEC - European School of Medicinal Chemistry - XXIV Advanced Course of Medicinal Chemistry and "E. Duranti" National Seminar for PhD Students, July 4-8 2004, Urbino, Italy.

XXIII Corso Avanzato in Chimica Farmaceutica e Seminario Nazionale per Dottorandi "E. Duranti", June 30 – July 4 2003, Urbino, Italy.

XXII Corso Avanzato in Chimica Farmaceutica e Seminario Nazionale per Dottorandi "E. Duranti", July 1-5 2002, Urbino, Italy.

❑ Awards and Qualifications

2017: National Scientific Qualification for Full Professor Position in Medicinal Chemistry (03/D1, D.D. n. 1532/2016).

2014: National Scientific Qualification for Associate Professor Position in Medicinal Chemistry (03/D1, D.D. n. 222/2012).

2007: Farmindustria Prize for Pharmaceutical Research - Outstanding for researching activity.

❑ Teaching Activity

Dipartimento di Chimica e Tecnologie del Farmaco, Sapienza Università di Roma: a) lecturer in inorganic drug analysis; b) lecturer in nutraceutical principles; c) member of examination committee of PhD students in medicinal chemistry; d) member of examination committee in medicinal chemistry courses; e) member of examination committee of graduating students in Farmacia and Chimica e Tecnologia Farmaceutiche (Pharmaceutical Chemistry and Technology); f) tutoring for graduating and PhD students in Medicinal Chemistry.

❑ Scientific Publications

Co-Author of 70 scientific papers published in impacted professional journals and 3 patents about design, synthesis and development of anticancer (inhibitors of tubulin polymerization, histone demethylases, BCL-2 family members, carbonic anhydrase, matrix metalloproteinases, and indoleamine 2,3-dioxygenase 1; Frizzled4 ligands; proapoptotic compounds), antiviral (non-nucleoside reverse transcriptase inhibitors of HIV-1 and anti-HCV agents), antifungal (*Candida albicans*), antibacterial (*Mycobacterium tuberculosis*) and central nervous system active agents (inhibitors of monoamine oxidases and glycogen synthase kinase 3 beta; cannabinoid receptor ligands) (19 first Author; 7 corresponding Author).

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Papers

1. La Regina, G.; Bai, R.; Coluccia, A.; Famiglini, V.; Passacantilli, S.; Naccarato, V.; Ortar, G.; Mazzoccoli, C.; Ruggieri, V.; Agriesti, F.; Piccoli, C.; Tataranni, T.; Nalli, M.; Brancale, A.; Vultaggio, S.; Mercurio, C.; Varasi, M.; Saponaro, C.; Sergio, S.; Maffia, M.; Coluccia, A. M. L.; Hamel, E.; Silvestri, R. 3-Aroyl-1,4-diarylpyrroles inhibit chronic myeloid leukemia cell growth through an interaction with tubulin. *ACS Med. Chem. Lett.* **2017**, *8*, 521–526 (doi: 10.1021/acsmedchemlett.7b00022; Pubmed ID: not available; Scopus ID: not available; ISI Accession Number: not available; April 26 2017; ISSN: 1948-5875, American Chemical Society, Washington, United States; JCR IF 2015: 3.355).
2. Daniele, S.; Pietrobono, D.; Costa, B.; Giustiniano, M.; La Pietra, V.; Giacomelli, C.; La Regina, G.; Silvestri, R.; Taliani, S.; Trincavelli, M. L.; Da Settimo, F.; Novellino, E.; Martini, C.; Marinelli, L. Bax activation blocks self-renewal and induces apoptosis of human glioblastoma stem cells. *ACS Chem. Neurosci.* **2017**, *ASAP article* (doi: 10.1021/acschemneuro.7b00023; Pubmed ID: 28368610; Scopus ID: not available; ISI Accession Number: not available; April 3 2017; ISSN: 1948-7193, American Chemical Society, Washington, United States; JCR IF 2015: 4.438).
3. Di Cesare, E.; Verrico, A.; Miele, A.; Giubettini M.; Rovella, P.; Cundari, E.; Lavia, P.; Miele, A.; Giubettini, M.; Coluccia, A.; Famiglini, V.; La Regina, G.; Silvestri, R. Mitotic cell death induction by targeting the mitotic spindle with tubulin-inhibitory indole derivative molecules. *Oncotarget* **2017**, *8*, 19738−19759 (doi: 10.18632/oncotarget.14980; Pubmed ID: 28160569; Scopus ID: 2-s2.0-85015806343; ISI Accession Number: WOS:000396879200088; February 1 2017; ISSN: 1949-2553, Impact Journals LLC, New York, United States; JCR IF 2015: 5.008).
4. Soriani, A.; Borrelli, C.; Ricci; B.; Molfetta, R.; Zingoni, A.; Fionda, C.; Carnevale, S.; Abruzzese, M. P.; Petrucci, M. T.; Ricciardi, M. R.; La Regina, G.; Di Cesare, E.; Lavia, P.; Silvestri, R.; Paolini, R.; Cippitelli; M.; Santoni, A. p38 MAPK differentially controls NK activating ligands at transcriptional and posttranscriptional level on multiple myeloma cells. *OncoImmunology* **2017**, *6*, e1264564 (doi: 10.1080/2162402X.2016.1264564; Pubmed ID: 28197392; Scopus ID: 2-s2.0-85015270684; ISI Accession Number: WOS:000397069400020; November 17 2016; ISSN: 2162-402X, Taylor & Francis Inc, Philadelphia, United States; JCR IF 2015: 7.644).
5. Coluccia, A.; La Regina, G.; Barilone, N.; Lisa, M. N.; Brancale, A.; Andre-Leroux, G.; Alzari, P. M.; Silvestri, R. Structure-based virtual screening to get new scaffold inhibitors of the Ser/Thr protein kinase PknB from Mycobacterium tuberculosis. *Lett. Drug Des. Discov.* **2016**, *13*, 1012−1018 doi: 10.2174/1570180813666160801162204; Pubmed ID: not available; Scopus ID: 2-s2.0-84995937420; ISI Accession Number: WOS:000389464700004; October 3 2016; ISSN: 1570-1808, Bentham Science Publishers B.V., Sharja, United Arab Emirates; JCR IF 2015: 0.974).

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6. Coluccia, A.; Passacantilli, S.; Famiglini, V.; Sabatino, M.; Patsilinakos, A.; Ragno, R.; Mazzoccoli, C.; Sisinni, L.; Okuno, A.; Takikawa, O.; Silvestri, R.; La Regina, G. (corresponding Author). New inhibitors of indoleamine 2, 3-dioxygenase 1: molecular modeling studies, synthesis, and biological evaluation. *J. Med. Chem.* **2016**, *59*, 9760−9773 (doi: 10.1021/acs.jmedchem.6b00718; Pubmed ID: 27690429; Scopus ID: 2-s2.0-84994853619; ISI Accession Number: WOS:000387737600010; October 3 2016; ISSN: 0022-2623, American Chemical Society, Washington, United States; JCR IF 2015: 5.589).
7. Masuelli, L.; Pantanella, F.; La Regina, G.; Benvenuto, M.; Fantini, M.; Mattera, R.; Di Stefano, E.; Mattei, M.; Silvestri, R.; Schippa, S.; Manzari, V.; Modesti, A.; Bei, R. Violacein, an indole-derived purple-colored natural pigment produced by *Janthinobacterium lividum*, inhibits the growth of head and neck carcinoma cell lines both *in vitro* and *in vivo*. *Tumor Biol.* **2016**, *37*, 3705−3717 (doi: 10.1007/s13277-015-4207-3; Pubmed ID: 26462840; Scopus ID: 2-s2.0-84944704386; ISI Accession Number: WOS:000374903500096; October 13 2015; ISSN: 1010-4283, Springer, Dordrecht, Netherlands; JCR IF 2015: 2.926).
8. La Regina, G.; Coluccia, A.; Famiglini, V.; Pelliccia, S.; Monti, L.; Vullo, D.; Nuti, E.; Alterio, V.; De Simone, G.; Monti, S. M.; Pan, P.; Parkkila, S.; Supuran, C. T.; Rossello, A.; Silvestri, R. Discovery of 1,1'-biphenyl-4-sulfonamides as a new class of potent and selective carbonic anhydrase XIV inhibitors. *J. Med. Chem.* **2015**, *58*, 8564−8572 (doi: 10.1021/acs.jmedchem.5b01144; Pubmed ID: 26497049; Scopus ID: 2-s2.0-84947266183; ISI Accession Number: WOS:000364796100017; October 25 2015; ISSN: 0022-2623, American Chemical Society, Washington, United States; JCR IF 2015: 5.589).
9. Stornaiuolo, M.; Bruno, A.; Botta, L.; La Regina, G.; Cosconati, S.; Silvestri, R.; Marinelli, L.; Novellino, E. Endogenous vs exogenous allosteric modulators in GPCRs: a dispute for shuttling CB_1 among different membrane microenvironments. *Sci Rep.* **2015**, *5*, e15453 (doi: 10.1038/srep15453; Pubmed ID: 26482099; Scopus ID: 2-s2.0-84945193701; ISI Accession Number: WOS:000363036200001; October 20 2015; ISSN: 2045-2322, Nature Publishing Group, London, United Kingdom; JCR IF 2015: 5.228).
10. La Regina, G.; Bai, R.; Coluccia, A.; Famiglini, V.; Pelliccia, S.; Passacantilli, S.; Mazzoccoli, C.; Ruggieri, V.; Verrico, A.; Miele, A.; Monti, L.; Nalli, M.; Alfonsi, R.; Di Marcotullio, L.; Gulino, A.; Ricci, B.; Soriani, A.; Santoni, A.; Caraglia, M.; Porto, S.; Da Pozzo, E.; Martini, C.; Brancale, A.; Marinelli, L.; Novellino, E.; Vultaggio, S.; Varasi, M.; Mercurio, C.; Dondio, G.; Bigogno, C.; Hamel, E.; Lavia, P.; Silvestri, R. New indole tubulin assembly inhibitors cause stable arrest of mitotic progression, enhanced stimulation of natural killer cell cytotoxic activity and repression of Hedgehog-dependent cancer. *J. Med. Chem.* **2015**, 58, 5789−5807 (doi: 10.1021/acs.jmedchem.5b00310; Pubmed ID: 26132075; Scopus ID: 2-s2.0-84939138196; ISI Accession Number: WOS:000359683700008; July 1 2015; ISSN: 0022-2623, American Chemical Society, Washington, United States; JCR IF 2015: 5.589).

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11. Santamaria, S.; Nuti, E.; Cercignani, G.; La Regina, G.; Silvestri, R.; Supuran, C. T.; Rossello, A. Kinetic characterization of 4,4'-biphenylsulfonamides as selective non-zinc binding MMP inhibitors. *J. Enzyme Inhib. Med. Chem.* **2015**, *30*, 947−954 (doi: 10.3109/14756366.2014.1000889; Pubmed ID: 25694065; Scopus ID: 2-s2.0-84945914800; ISI Accession Number: WOS:000369915500012; February 19 2015; ISSN: 1475-6366, Taylor & Francis Ltd, Oxon, United Kingdom; JCR IF 2015: 2.428).
12. Stornaiuolo, M.; La Regina, G.; Passacantilli, S.; Grassia, G.; Coluccia, A.; La Pietra, V.; Giustiniano, M.; Cassese, H.; Di Maro, S.; Brancaccio, D.; Taliani, S.; Ialenti, A.; Silvestri, R.; Martini, C.; Novellino, E.; Marinelli, L. Structure-based lead optimization and biological evaluation of BAX direct activators as novel potential anticancer agents. *J. Med. Chem.* **2015**, *58*, 2135−2148 (doi: 10.1021/jm501123r; Pubmed ID: 25668341; Scopus ID: 2-s2.0-84924664711; ISI Accession Number: WOS:000351186500007; February 10 2015; ISSN: 0022-2623, American Chemical Society, Washington, United States; JCR IF 2015: 5.589).
13. Generoso, S. F.; Giustiniano, M.; La Regina, G.; Bottone, S.; Passacantilli, S.; Di Maro, S.; Cassese, H.; Bruno, A.; Mallardo, M.; Dentice, M.; Silvestri, R.; Marinelli, L.; Sarnataro, D.; Bonatti, S.; Novellino, E.; Stornaiuolo, M. Pharmacological folding chaperones act as allosteric ligands of Frizzled4. *Nat. Chem. Biol.* **2015**, *11*, 280−286 (doi: 10.1038/nchembio.1770; Pubmed ID: 25751279; Scopus ID: 2-s2.0-84924362536; ISI Accession Number: WOS:000351666500011; March 9 2015; ISSN: 1552-4450, Nature Publishing Group, New York, United States; JCR IF 2015: 12.709).
14. Manvar, D.; Pelliccia, S.; La Regina, G.; Famiglini, V.; Coluccia, A.; Ruggieri, A.; Anticoli, S.; Lee, J.-C.; Basu, A.; Cevik, O.; Nencioni, L.; Palamara, A. T.; Zamperini, C.; Botta, M.; Neyts, J.; Leyssen, P.; Kaushik-Basu, N.; Silvestri, R. New 1-phenyl-5-(1*H*-pyrrol-1-yl)-1*H*-pyrazole-3-carboxamides inhibit hepatitis C virus replication via suppression of cyclooxygenase-2. *Eur. J. Med. Chem.* **2015**, *90*, 497−506 (doi: 10.1016/j.ejmech.2014.11.042; Pubmed ID: 25483263; Scopus ID: 2-s2.0-84914680268; ISI Accession Number: WOS:000348951900040; November 27 2014; ISSN: 0223-5234, Elsevier France-Editions Scientifiques Medicales Elsevier, Paris, France; JCR IF 2015: 3.902).
15. Famiglini, V.; La Regina, G. (corresponding Author); Coluccia, A.; Pelliccia, S.; Brancale, A.; Maga, G.; Crespan, E.; Badia, R.; Riveira-Munoz, E.; Este, J. A.; Ferretti, R.; Cirilli, R.; Zamperini, C.; Botta, M.; Schols, D.; Limongelli, V.; Agostino, B.; Novellino, E.; Silvestri, R. Indolylarylsulfones carrying a heterocyclic tail as very potent and broad spectrum HIV-1 non-nucleoside reverse transcriptase inhibitors. *J. Med. Chem.* **2014**, *57*, 9945−9957 (doi: 10.1021/jm5011622; Pubmed ID: 25418038; Scopus ID: 2-s2.0-84918566396; ISI Accession Number: WOS:000346321200017; November 13 2014; ISSN: 0022-2623, American Chemical Society, Washington, United States; JCR IF 2015: 5.589).
16. La Regina, G. (corresponding Author); Famiglini, V.; Passacantilli, S.; Pelliccia, S.; Punzi, P.; Silvestri, R. New, simple and high-yielding synthesis of 2,9-

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dihydro-1*H*-pyrido[3,4-*b*]indol-1-ones. *Synthesis* **2014**, *46*, 2093−2097 (doi: 10.1055/s-0033-1339155; Pubmed ID: not available; Scopus ID: 2-s2.0-84904763883; ISI Accession Number: WOS:000340874800016; June 2 2014; ISSN: 0039-7881, Georg Thieme Verlag Kg, Stuttgart, Germany, JCR IF 2015: 2.652).

17. La Regina, G.; Bai, R.; Coluccia, A.; Famiglini, V.; Pelliccia, S.; Passacantilli, S.; Mazzoccoli, C.; Ruggieri, V.; Sisinni, L.; Bolognesi, A.; Rensen, W. M.; Miele, A.; Nalli, M.; Alfonsi, R.; Di Marcotullio, L.; Gulino, A.; Brancale, A.; Novellino, E.; Dondio, G.; Vultaggio, S.; Varasi, M.; Mercurio, C.; Hamel, E.; Lavia, P.; Silvestri, R. New pyrrole derivatives with potent tubulin polymerization inhibiting activity as anticancer agents including Hedgehog-dependent cancer. *J. Med. Chem.* **2014**, *57*, 6531−6552 (doi: 10.1021/jm500561a; Pubmed ID: 25025991; Scopus ID: 2-s2.0-84906094556; ISI Accession Number: WOS:000340445900020; June 15 2014; ISSN: 0022-2623, American Chemical Society, Washington, United States; JCR IF 2015: 5.589).
18. Famiglini, V.; La Regina, G. (corresponding Author); Coluccia, A.; Pelliccia, S.; Brancale, A.; Maga, G.; Crespan, E.; Badia, R.; Clotet, B.; Esté, J. A.; Cirilli, R.; Novellino, E.; Silvestri, R. New indolylarylsulfones as highly potent and broad spectrum HIV-1 non-nucleoside reverse transcriptase inhibitors. *Eur. J. Med. Chem.* **2014**, *80*, 101−111 (doi: 10.1016/j.ejmech.2014.04.027; Pubmed ID: 24769348; Scopus ID: 2-s2.0-84899103627; ISI Accession Number: WOS:000337985400009; April 12 2014; ISSN: 0223-5234, Elsevier France-Editions Scientifiques Medicales Elsevier, Paris, France; JCR IF 2015: 3.902).
19. Marzaro, G.; Coluccia, A.; Ferrarese, A.; Brun, P.; Castagliuolo, I.; Conconi, M. T.; La Regina, G.; Bai, R.; Silvestri, R.; Hamel, E.; Chilin, A. Discovery of biarylaminoquinazolines as novel tubulin polymerization inhibitors. *J. Med. Chem.* **2014**, *57*, 4598−4605 (doi: 10.1021/jm500034j; Pubmed ID: 24801610; Scopus ID: 2-s2.0-84902438483; ISI Accession Number: WOS:000337336600014; May 6 2014; ISSN: 0022-2623, American Chemical Society, Washington, United States; JCR IF 2015: 5.589).
20. Mannironi, C.; Cundari, E.; Proietto, M.; Bufalieri, F.; Alagia, A.; Danovska, S.; Rinaldi, T.; Negri, R.; Famiglini, V.; Coluccia, A.; La Regina, G.; Silvestri, R. An high-throughput *in vivo* screening system to select H3K4-specific histone demethylase inhibitors. *PloS One* **2014**, *9*, e86002 (doi: 10.1371/journal.pone.0086002; Pubmed ID: 24489688; Scopus ID: 2-s2.0-84900435770; ISI Accession Number: WOS:000330570000022; January 29 2014; ISSN: 1932-6203, Public Library Science, San Francisco, United States; JCR IF 2015: 3.057).
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❑ Scientific Profiles

Scopus
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https://sapienza.pure.elsevier.com/it/persons/giuseppe-la-regina

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❑ Bibliometric Indices

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Citations

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❑ Reviewer Activity

Research programs

Ministero dell'Istruzione, dell'Università e della Ricerca (Italian Ministry of Health), Call PRIN and Bando Futuro in Ricerca.
Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca, Valutazione della Qualità della Ricerca (National Agency for the Evaluation of the University and Research Systems).

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Scientific journals
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ACS Chemical Neuroscience, ISSN: 1948-7193, JCR IF 2015: 4.438, American Chemical Society, Washington, United States.
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❑ Congresses, Meetings and Workshops

Oral communications

1. La Regina, G. Violaceina: un pigmento prodotto dal batterio *Janthinobacterium lividum* ad attività antitumorale. *Natural Products: tecniche analitiche e nuove*

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tendenze nel mondo dei prodotti naturali, February 14 2017, Rome, Italy [Meeting programm] [Oral communication].

2. La Regina, G.; Coluccia, A.; Hamel, E.; Novellino, E.; Silvestri, R. New indole tubulin assembly inhibitors with stable arrest of mitotic progression, enhanced stimulation of natural killer cell cytotoxic activity and repression of Hedgehog-dependent cancer. *Spanish-Italian Medicinal Chemistry Congress*, OC 01, July 12-15 2015, Barcelona, Spain [Abstract] [Oral communication].
3. La Regina G.; Coluccia, A.; Passacantilli, S.; Famiglini, V.; Pelliccia, S.; Hamel, E.; Novellino, E.; Silvestri, R. 3-Aroyl-1-arylpyrroles as new anticancer agents. *XXV Congresso Nazionale della Società Chimica Italiana*, FAR-O26, September 7-12 2014, Arcavacata di Rende, Italy [Abstract] [Oral communication].
4. La Regina, G.; Coluccia, A.; Passacantilli, S.; Famiglini, V.; Pelliccia, S.; Hamel, E.; Novellino, E.; Silvestri, R. 3-Aroyl-1-arylpyrroles: a new class of potent inhibitors of tubulin polymerization. *Fifth European Workshop in Drug Synthesis*, May 18-23 2014, Siena, Italy [Abstract] [Oral communication].
5. La Regina, G. 2-Heterocyclyl-3-arylthio-1*H*-indoles as potent tubulin polymerization inhibitors with improved metabolic stability. *XXI National Meeting on Medicinal Chemistry*, July 17-20 2012, Palermo, Italy [Abstract] [Oral communication].
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8. La Regina, G. Farmindustria 2007 Award. *XVIII Convegno Nazionale della Divisione di Chimica Farmaceutica della Società Chimica Italiana*, September 16-20 2007, Chieti, Italy [Oral communication].
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11. La Regina, G. Nuovi potenti inibitori delle monoamino ossidasi a struttura pirrolica ed indolica. *4° Sigma Aldrich Young Chemists Symposium (S.A.Y.C.S.)*, O9, May 17-19 2004, Riccione, Italy [Abstract] [Oral communication].

Organization

1. *Natural Products: tecniche analitiche e nuove tendenze nel mondo dei prodotti naturali*, February 14 2017, Rome, Italy; president of scientific and organizing committees.

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2. *Chlorophyll Program – Programma di collaborazione fra Patheon Italia Spa e Sapienza Università di Roma*, November 7 2016, Rome, Italy; president of organizing committee.
3. *Workshop sulla Ricerca*, September 21 2015, Rome, Italy; member of organizing committee.
4. *Young Research Ideas in Chemistry*, June 10 2016, Rome, Italy; member of organizing committee.
5. *Young Research Ideas in Chemistry*, December 15 2014, Rome, Italy; member of organizing committee.
6. *XXII National Meeting on Medicinal Chemistry*, September 10-13 2013, Rome, Italy; member of scientific committee and president of organizing secretary.

Poster communications

1. Famiglini, V.; Pelliccia, S.; La Regina, G.; Coluccia, A.; Lee, J. C.; Silvestri, R. New inhibitors of *Dengue* virus replication. *XXIV National Meeting on Medicinal Chemistry - Nuove Prospettive in Chimica Farmaceutica 10° Meeting*, Abstract eBook, PC66, September 11-14 2016, Perugia, Italy [Abstract].
2. La Regina, G.; Coluccia, A.; Famiglini, V.; Passacantilli, S.; Mazzoccoli, C.; Takikawa, O.; Silvestri, R. New Inhibitors of indoleamine 2,3-dioxygenase 1: molecular modelling studies, synthesis and biological evaluation. *XXIV National Meeting on Medicinal Chemistry - Nuove Prospettive in Chimica Farmaceutica 10° Meeting*, Abstract eBook, PC100, September 11-14 2016, Perugia, Italy [Abstract] [Poster].
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7. Famiglini, V.; La Regina, G.; Coluccia, A.; Brancale, A.; Esté, J. A.; Silvestri, R. Drug design and synthesis of new indolylarylsulfones as HIV-1 non-nucleoside reverse transcriptase inhibitors. *XXIII National Meeting on Medicinal Chemistry - Nuove Prospettive in Chimica Farmaceutica 9° Meeting*, Abstract eBook, PC137, 223, September 6-9 2015, Fisciano, Italy [Abstract].
8. Pelliccia, S.; La Regina, G.; Manvar, D.; Kaushik-Basu, N.; Neyts, J.; Silvestri, R. New Pyrazolecarboxamides as anti-HCV agents via targeting cyclooxygenase-2. *XXIII National Meeting on Medicinal Chemistry - Nuove*

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Prospettive in Chimica Farmaceutica 9° Meeting, Abstract eBook, PC142, 228, September 6-9 2015, Fisciano, Italy [Abstract].

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74. La Regina, G.; De Martino, G.; Di Pasquali, A.; D'Auria, F.; Nencioni, L.; Palamara, A. T.; Artico, M.; Silvestri, R. Derivati imidazolici isomeri dell'Econazolo ad azione anti-*Candida*. *XVII Convegno Nazionale della Divisione di Chimica Farmaceutica della Società Chimica Italiana*, Atti del Convegno, P-91, September 6-10 2004, Pisa, Italy [Abstract] [Poster].
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76. La Regina, G.; Novel indolyl aryl sulfones (IASs) highly active *in vitro* against HIV-1 WT and variants carrying NNRTI resistance mutations. *European School of Medicinal Chemistry* (XXIII Corso Avanzato in Chimica Farmaceutica e Seminario Nazionale per Dottorandi "E. Duranti"), Relazioni dei Dottorandi, July 4-8 2004, Urbino, Italy [Abstract] [Poster].
77. D'Auria, F. D.; Silvestri, R.; Artico, M.; La Regina, G.; De Martino, G.; Palamara, A. T. Analoghi azolici della Fluoxetina, una nuova classe di agenti antifungini. *31° Congresso Nazionale Società Italiana di Microbiologia*, Riassunti, October 19-22 2003, Rome, Italy [Abstract].
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❑ Funded Research Programs

Principal investigator

1. Finanziamenti Ateneo 2016, Sapienza Università di Roma: Targeting colchicine binding site of tubulin by indole- and pyrrole-based anticancer agents; RG116154CF287B95; 18 months, 30000 euro.
2. Ricerche Universitarie 2015, Sapienza Università di Roma: New inhibitors of tubulin polymerization as anticancer agents endowed with stimulation of natural killer cell cytotoxic activity and repression of Hedgehog signalling pathway; C26A15J3BB; 18 months; 34450 euro.
3. Ricerche Universitarie 2014, Sapienza Università di Roma: Development of new compounds as anticancer and analgesic agents; C26A14TLFT; 18 months; 20000 euro.
4. Progetti Awards Ricerche Universitarie 2013, Sapienza Università di Roma: Tubulin and TRP channels as targets for new antitumor and analgesic agents; C26H135FL5; 18 months; 55000 euro.
5. Università degli Studi di Roma "La Sapienza", Congressi e convegni 2013: XXII National Meeting on Medicinal Chemistry; C26C12KS92; 18 months; 3500 euro.
6. FIRB Futuro in Ricerca 2010, Ministero dell'Istruzione, dell'Università e della Ricerca: Mitochondrial medicinal chemistry against cell death-resistant cancers; RBFR10ZJQT_003; 36 months; 307671 euro.

Member

1. Istituto Pasteur – Fondazione Cenci Bolognetti 2013: New non-nucleoside antiviral agents targeting HIV-1 reverse transcriptase; principal investigator Prof. Romano Silvestri; 36 months.
2. Università degli Studi di Roma "La Sapienza" - Ricerche Universitarie 2011: Citotossicità indotta su cellule tumorali umane dai prodotti di ossidazione

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enzimatica delle poliamine in associazione ad endocannabinoidi e composti lisosomotropici: nuovi approcci terapeutici; principal investigator Prof. Enzo Agostinelli; 18 months.

3. Università degli Studi di Roma “La Sapienza” - Acquisizione di medie e grandi attrezzature scientifiche 2011: Strumentazione integrata spettrometro di massa Orbitrap/cromatografo liquido ultraperformante (orbitrap-MSn/UHPLC). Studi "multi-omics" ad alta efficienza di sistemi biologici complessi; principal investigator Prof. Francesco Gasparrini; 18 months.
4. Università degli Studi di Roma “La Sapienza” - Ricerche Universitarie 2010: Citotossicità indotta su cellule tumorali umane dai prodotti di ossidazione enzimatica delle poliamine in associazione ad endocannabinoidi e composti lisosomotropici: nuovi approcci terapeutici; principal investigator Prof. Enzo Agostinelli; 18 months.
5. Università degli Studi di Roma “La Sapienza” - Acquisizione di medie e grandi attrezzature scientifiche 2010: Strumentazione integrata spettrometro di massa a trasformata di Fourier/cromatografo liquida ultraperformante (FT-MSn/UHPLC) per studi avanzati di "omiche" in sistemi biologici; principal investigator Prof. Maurizio Speranza; 18 months.
6. Università degli Studi di Roma “La Sapienza” - Ricerche di Ateneo Federato 2009: Terminal transferasi come nuovo target per la terapia anticancro: studi SAR su DKHA come inibitori specifici della TDT; principal investigator Prof. Roberto Di Santo; 18 months.
7. Università degli Studi di Roma “La Sapienza” - Ricerche di Ateneo Federato 2009: Nuovi inibitori della funzione ribonucleasica della trascrittasi inversa di HIV-1; principal investigator Prof. Roberta Costi; 18 months.
8. Università degli Studi di Roma “La Sapienza” - Progetti di Ricerca Universitari 2009: Sintesi, attività antitumorale e correlazione con specifici geni mitotici di nuovi inibitori della polimerizzazione della tubulina; principal investigator Prof. Romano Silvestri; 12 months.
9. Istituto Pasteur – Fondazione Cenci Bolognetti 2008: Drug design and synthesis of non-nucleoside inhibitors of both HIV-1 wild type and resistant mutant strains reverse transcriptase, and *Coxsackie* B4 virus; principal investigator Prof. Romano Silvestri; 36 months.
10. PRIN 2007: Progettazione, sintesi e attività biologica di inibitori di metalloenzimi coinvolti nelle patologie neurodegenerative, infiammatorie e tumorali; principal investigator Prof. Stefano Alcaro; 24 months.
11. FIRB Internazionali 2006: Basi molecolari delle malattie; principal investigator: Prof. Paolo Amati; unit principal investigator Prof. Romano Silvestri; 36 months.
12. Istituto Pasteur – Fondazione Cenci Bolognetti 2005: Indole nucleus as a selected pharmacophore for the design of novel highly potent anti-viral agents active against HIV-1 (RT and IN inhibitors) and also capable to inhibit HCV and tumor cell replication; principal investigator Prof. Romano Silvestri; 36 months.

❑ Associations

Member of Medicinal Chemistry Division of the Italian Chemical Society (n. 12999).

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E TECNOLOGIE DEL FARMACO

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Rome, May 10 2017

Your Faithfully
Giuseppe La Regina