



Elenco dei titoli e delle pubblicazioni scientifiche

Settore Concorsuale: 03/D1 - CHIMICA E TECNOLOGIE FARMACEUTICHE, TOSSICOLOGICHE E NUTRACEUTICO-ALIMENTARI Prima Fascia

Claudia SISSI

Posizione accademica

Settore Scientifico Disciplinare:	CHIM/08 - Chimica farmaceutica
Qualifica:	Professore Ordinario
Anzianità nel ruolo:	01/11/2015
Sede Universitaria:	Università degli Studi di PADOVA
Struttura di appartenenza (dipartimento o altro):	SCIENZE DEL FARMACO - DSF

Posizioni ricoperte precedentemente nel medesimo ateneo o in altri

Periodo	Fascia	Ateneo
07/01/2004	Ricercatore Universitario	Università degli Studi di PADOVA
01/11/2009	Professore II Fascia	Università degli Studi di PADOVA



Periodo	Fascia	Ateneo
01/11/2015	Professore I Fascia	Università degli Studi di PADOVA



Pubblicazioni scientifiche

1	2021	<p>Articolo in rivista</p> <p>Czescik J., Zamolo S., Darbre T., Rigo. R., Sissi C., Pecina A., Riccardi L., De Vivo M., Mancin F., Scrimin P. (2021). A Gold Nanoparticle Nanonuclease Relying on a Zn(II) Mononuclear Complex. <i>ANGEWANDTE CHEMIE. INTERNATIONAL EDITION</i>, vol. 60, p. 1423-1432, ISSN: 1433-7851, doi: 10.1002/anie.202012513</p>
2	2020	<p>Articolo in rivista</p> <p>Bondi R., Biver T., Dalla Via L., Guarra F., Hyeraci M., Sissi C., Labella L., Marchetti F., Samaritani S. (2020). DNA interaction of a fluorescent, cytotoxic pyridinimino platinum(II) complex. <i>JOURNAL OF INORGANIC BIOCHEMISTRY</i>, vol. 202, 110874, ISSN: 0162-0134, doi: 10.1016/j.jinorgbio.2019.110874</p>
3	2020	<p>Articolo in rivista</p> <p>Ortega J. A., Arencibia J. M., Minniti E., Byl J. A. W., Franco-Ulloa S., Borgogno M., Genna V., Summa M., Bertozzi S. M., Bertorelli R., Armirotti A., Minarini A., Sissi C., Osheroff N., De Vivo M. (2020). Novel, Potent, and Druglike Tetrahydroquinazoline Inhibitor That Is Highly Selective for Human Topoisomerase II α over β. <i>JOURNAL OF MEDICINAL CHEMISTRY</i>, vol. 63, p. 12873-12886, ISSN: 0022-2623, doi: 10.1021/acs.jmedchem.0c00774</p>
4	2020	<p>Articolo in rivista</p> <p>Da Ros, Silvia, Nicoletto, Giulia, Rigo, Riccardo, Ceschi, Silvia, Zorzan, Eleonora, Dacasto, Mauro, Giantin, Mery, Sissi, Claudia (2020). G-Quadruplex Modulation of SP1 Functional Binding Sites at the KIT Proximal Promoter. <i>INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES</i>, vol. 22, ISSN: 1422-0067, doi: 10.3390/ijms22010329</p>
5	2020	<p>Articolo in rivista</p> <p>Catanzaro E., Betari N., Arencibia J. M., Montanari S., Sissi C., De Simone A., Vassura I., Santini A., Andrisano V., Tumiatti V., De Vivo M., Krysko D. V., Rocchi M. B. L., Fimognari C., Milelli A. (2020). Targeting topoisomerase II with trypantrine derivatives: Discovery of 7-((2-(dimethylamino)ethyl)amino)indolo[2,1-b]quinazoline-6,12-dione as an antiproliferative agent and to treat cancer. <i>EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY</i>, vol. 202, 112504, ISSN: 0223-5234, doi: 10.1016/j.ejmech.2020.112504</p>
6	2020	<p>Articolo in rivista</p> <p>Comez L., Bianchi F., Libera V., Longo M., Petrillo C., Sacchetti F., Sebastiani F., D'Amico F., Rossi B., Gessini A., Masciovecchio C., Amenitsch H., Sissi C., Paciaroni A. (2020). Polymorphism of human telomeric quadruplexes with drugs: A multi-technique biophysical study. <i>PHYSICAL CHEMISTRY CHEMICAL PHYSICS</i>, vol. 22, p. 11583-11592, ISSN: 1463-9076, doi: 10.1039/d0cp01483d</p>



7	2020	Articolo in rivista Pinato O., Benettazzo A., Dalla Via L., Farrell N. P., Sissi C. (2020). Modulation of relaxation activity of human topoisomerases by Pt(II)-based complexes. JOURNAL OF INORGANIC BIOCHEMISTRY, vol. 211, 111178, ISSN: 0162-0134, doi: 10.1016/j.jinorgbio.2020.111178
8	2020	Articolo in rivista Fois B., Distinto S., Meleddu R., Deplano S., Maccioni E., Floris C., Rosa A., Nieddu M., Caboni P., Sissi C., Angeli A., Supuran C. T., Cottiglia F. (2020). Coumarins from <i>Magydaris pastinacea</i> as inhibitors of the tumour-associated carbonic anhydrases IX and XII: isolation, biological studies and in silico evaluation. JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol. 35, p. 539-548, ISSN: 1475-6366, doi: 10.1080/14756366.2020.1713114
9	2020	Articolo in rivista Tosolini M., Gianferrara T., Mion G., Dovigo L., Mancin F., Sissi C., Tecilla P. (2020). Interaction with plasmid DNA of Hoechst-TACN conjugates. SUPRAMOLECULAR CHEMISTRY, vol. 32, p. 91-105, ISSN: 1061-0278, doi: 10.1080/10610278.2019.1699657
10	2019	Articolo in rivista Sonar V. P., Fois B., Distinto S., Maccioni E., Meleddu R., Cottiglia F., Acquas E., Kasture S., Floris C., Colombo D., Sissi C., Sanna E., Talani G. (2019). Ferulic Acid Esters and Withanolides: In Search of <i>Withania somnifera</i> GABAA Receptor Modulators. JOURNAL OF NATURAL PRODUCTS, vol. 82, p. 1250-1257, ISSN: 0163-3864, doi: 10.1021/acs.jnatprod.8b01023
11	2019	Articolo in rivista Cristofari, Camilla, Rigo, Riccardo, Greco, Maria Laura, Ghezzi, Michele, Sissi, Claudia (2019). pH-driven conformational switch between non-canonical DNA structures in a C-rich domain of EGFR promoter. SCIENTIFIC REPORTS, vol. 9, 1210, ISSN: 2045-2322, doi: 10.1038/s41598-018-37968-8
12	2019	Articolo in rivista Kotar, Anita, Rigo, Riccardo, Sissi, Claudia, Plavec, Janez (2019). Two-quartet kit* G-quadruplex is formed via double-stranded pre-folded structure. NUCLEIC ACIDS RESEARCH, vol. 47, p. 2641-2653, ISSN: 1362-4962, doi: 10.1093/nar/gky1269
13	2019	Articolo in rivista Catalano R., Moraca F., Amato J., Cristofari C., Rigo R., Dalla Via L., Rocca R., Lupia A., Maruca A., Costa G., Catalanotti B., Artese A., Pagano B., Randazzo A., Sissi C., Novellino E., Alcaro S. (2019). Targeting multiple G-quadruplex-forming DNA sequences: Design, biophysical and biological evaluations of indolo-naphthyridine scaffold derivatives. EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol. 182, 111627, ISSN: 0223-5234, doi: 10.1016/j.ejmech.2019.111627
14	2019	Articolo in rivista Recagni M., Greco M. L., Milelli A., Minarini A., Zaffaroni N., Folini M., Sissi C. (2019). Distinct biological responses of metastatic castration resistant prostate cancer cells upon exposure to G-quadruplex interacting naphthalenediimide derivatives. EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol. 177, p. 401-413, ISSN: 0223-5234, doi: 10.1016/j.ejmech.2019.05.066



15	2018	Articolo in rivista Ortega, Jose Antonio, Riccardi, Laura, Minniti, Elirosa, Borgogno, Marco, Arencibia, Jose M, Greco, Maria L, Minarini, Anna, Sissi, Claudia, De Vivo, Marco (2018). Pharmacophore Hybridization To Discover Novel Topoisomerase II Poisons with Promising Antiproliferative Activity. JOURNAL OF MEDICINAL CHEMISTRY, vol. 61, p. 1375-1379, ISSN: 0022-2623, doi: 10.1021/acs.jmedchem.7b01388
16	2018	Articolo in rivista Rocca, Roberta, Moraca, Federica, Costa, Giosuè, Talarico, Carmine, Ortuso, Francesco, Da Ros, Silvia, Nicoletto, Giulia, Sissi, Claudia, Alcaro, Stefano, Artese, Anna (2018). In Silico Identification of Piperidinyl-amine Derivatives as Novel Dual Binders of Oncogene c-myc/c-Kit G-quadruplexes. ACS MEDICINAL CHEMISTRY LETTERS, vol. 9, p. 848-853, ISSN: 1948-5875, doi: 10.1021/acsmchemlett.8b00275
17	2018	Articolo in rivista Zorzan, Eleonora, Da Ros, Silvia, Giantin, Mery, Shahidian, Lara Zorro, Guerra, Giorgia, Palumbo, Manlio, Sissi, Claudia, Dacasto, Mauro (2018). Targeting canine kit promoter by candidate DNA G-quadruplex ligands. JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, vol. 367, p. 461-472, ISSN: 0022-3565, doi: 10.1124/jpet.118.248997
18	2018	Articolo in rivista Zorzan, Eleonora, Elgandy, Ramy, Giantin, Mery, Dacasto, Mauro, Sissi, Claudia (2018). Whole-Transcriptome Profiling of Canine and Human in Vitro Models Exposed to a G-Quadruplex Binding Small Molecule. SCIENTIFIC REPORTS, vol. 8, ISSN: 2045-2322, doi: 10.1038/s41598-018-35516-y
19	2017	Articolo in rivista RIGO, RICCARDO, PALUMBO, MANLIO, SISSI, CLAUDIA (2017). G-quadruplexes in human promoters: A challenge for therapeutic applications. BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS, vol. 1861, p. 1399-1413, ISSN: 0304-4165, doi: 10.1016/j.bbagen.2016.12.024
20	2017	Articolo in rivista Pasini A., Marchetti C., Sissi C., Cortesi M., Giordano E., Minarini A., Milelli A. (2017). Novel Polyamine-Naphthalene Diimide Conjugates Targeting Histone Deacetylases and DNA for Cancer Phenotype Reprogramming. ACS MEDICINAL CHEMISTRY LETTERS, vol. 8, p. 1218-1223, ISSN: 1948-5875, doi: 10.1021/acsmchemlett.7b00289
21	2017	Articolo in rivista Papi, F, Ferraroni, M, Rigo, R, Da Ros, S, Bazzicalupi, C, Sissi, C, Gratteri, P. (2017). Role of the Benzodioxole Group in the Interactions between the Natural Alkaloids Chelerythrine and Coptisine and the Human Telomeric G-Quadruplex DNA. A Multiapproach Investigation. JOURNAL OF NATURAL PRODUCTS, vol. 80, p. 3128-3135, ISSN: 0163-3864, doi: 10.1021/acs.jnatprod.7b00350
22	2017	Articolo in rivista Minniti, Elirosa, Byl, Jo Ann W., Riccardi, Laura, Sissi, Claudia, Rosini, Michela, De Vivo, Marco, Minarini, Anna, Osherooff, Neil (2017). Novel xanthone-polyamine conjugates as catalytic inhibitors of human topoisomerase II \pm . BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol. 27, p. 4687-4693, ISSN: 0960-894X, doi: 10.1016/j.bmcl.2017.09.011



23	2017	Articolo in rivista Rigo, Riccardo, Dean, William L, Gray, Robert D, Chaires, Jonathan B, Sissi, Claudia (2017). Conformational profiling of a G-rich sequence within the c-KIT promoter. NUCLEIC ACIDS RESEARCH, vol. 45, p. 13056-13067, ISSN: 0305-1048, doi: 10.1093/nar/gkx983
24	2017	Articolo in rivista Rigo, Riccardo, Sissi, Claudia (2017). Characterization of G4-G4 Crosstalk in the c-KIT Promoter Region. BIOCHEMISTRY, vol. 56, p. 4309-4312, ISSN: 0006-2960, doi: 10.1021/acs.biochem.7b00660
25	2017	Articolo in rivista Greco, Maria L, Kotar, Anita, Rigo, Riccardo, Cristofari, Camilla, Plavec, Janez, Sissi, Claudia (2017). Coexistence of two main folded G-quadruplexes within a single G-rich domain in the EGFR promoter. NUCLEIC ACIDS RESEARCH, vol. 45, p. 10132-10142, ISSN: 1362-4962, doi: 10.1093/nar/gkx678
26	2017	Articolo in rivista Milelli Andrea, Marchetti Chiara, Greco Maria Laura, Moraca Federica, Costa Giosuè, Turrini Eleonora, Catanzaro Elena, Betari Nibal, Calcabrini Cinzia, Sissi Claudia, Alcaro Stefano, Fimognari Carmela, Tumiatti Vincenzo, Minarini Anna (2017). Naphthalene diimide-polyamine hybrids as antiproliferative agents: Focus on the architecture of the polyamine chains. EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol. 128, p. 107-122, ISSN: 0223-5234, doi: 10.1016/j.ejmech.2017.01.025
27	2017	Articolo in rivista SISSI, CLAUDIA, Dovigo, Luca, GRECO, MARIA LAURA, CIANCETTA, ANTONELLA, MORO, STEFANO, TRZCINSKI, JAKUB WALDEMAR, MANCIN, FABRIZIO, Rossi, Paola, Spalluto, Giampiero, Tecilla, Paolo (2017). Conjugates between minor groove binders and Zn(II)-tach complexes: Synthesis, characterization, and interaction with plasmid DNA. TETRAHEDRON, vol. 73, p. 3014-3024, ISSN: 0040-4020, doi: 10.1016/j.tet.2017.04.013
28	2017	Articolo in rivista Zoidis, Grigoris, SOSIC, ALICE, DA ROS, SILVIA, GATTO, BARBARA, SISSI, CLAUDIA, Palluotto, Fausta, Carotti, Angelo, Catto, Marco (2017). Indenocinnoline derivatives as G-quadruplex binders, topoisomerase II α inhibitors and antiproliferative agents. BIOORGANIC & MEDICINAL CHEMISTRY, vol. 25, p. 2625-2634, ISSN: 0968-0896, doi: 10.1016/j.bmc.2017.03.019
29	2016	Articolo in rivista Palluotto, Fausta, SOSIC, ALICE, PINATO, ODRÀ, Zoidis, Grigoris, Catto, Marco, SISSI, CLAUDIA, GATTO, BARBARA, Carotti, Angelo (2016). Quinolino[3,4-b]quinoxalines and pyridazino[4,3-c]quinoline derivatives: Synthesis, inhibition of topoisomerase II α , G-quadruplex binding and cytotoxic properties. EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol. 123, p. 704-717, ISSN: 0223-5234, doi: 10.1016/j.ejmech.2016.07.063



30	2016	Articolo in rivista RIGO, RICCARDO, BIANCO, SARA, MUNETTI, CATERINA, PALUMBO, MANLIO, SISSI, CLAUDIA (2016). Molecular Basis for Differential Recognition of G-Quadruplex versus Double-Helix DNA by Bis-Phenanthroline Metal Complexes. CHEMMEDCHEM, vol. 11, p. 1762-1769, ISSN: 1860-7179, doi: 10.1002/cmhc.201600129
31	2016	Articolo in rivista ZORZAN, ELEONORA, DA ROS, SILVIA, MUNETTI, CATERINA, ZORRO SHAHIDIAN, L., RAMOS COELHO, N. F., BONSEMBIANTE, FEDERICO, Létard, S., GELAIN, MARIA ELENA, PALUMBO, MANLIO, Dubreuil, P., GIANTIN, MERY, SISSI, CLAUDIA, DACASTO, MAURO (2016). Screening of candidate G-quadruplex ligands for the human c-KIT promotorial region and their effects in multiple in-vitro models. ONCOTARGET, vol. 7, p. 21658-21675, ISSN: 1949-2553, doi: 10.18632/oncotarget.7808
32	2016	Articolo in rivista Kaserer Teresa, Rigo Riccardo, Schuster Philipp, Alcaro Stefano, Sissi Claudia, Schuster Daniela (2016). Optimized Virtual Screening Workflow for the Identification of Novel G-Quadruplex Ligands. JOURNAL OF CHEMICAL INFORMATION AND MODELING, vol. 56, p. 484-500, ISSN: 1549-9596, doi: 10.1021/acs.jcim.5b00658
33	2016	Articolo in rivista Rocca Roberta, Costa Giosuè, Artese Anna, Parrotta Lucia, Ortuso Francesco, Maccioni Elias, Pinato Odra, Greco Maria Laura, Sissi Claudia, Alcaro Stefano, Distinto Simona, Moraca Federica (2016). Hit Identification of a Novel Dual Binder for h-telo/c-myc G-Quadruplex by a Combination of Pharmacophore Structure-Based Virtual Screening and Docking Refinement. CHEMMEDCHEM, vol. 11, p. 1721-1733, ISSN: 1860-7179, doi: 10.1002/cmhc.201600053
34	2015	Articolo in rivista Greco Maria Laura, Folini Marco, Sissi Claudia (2015). Double stranded promoter region of BRAF undergoes to structural rearrangement in nearly physiological conditions. FEBS LETTERS, vol. 589, p. 2117-2123, ISSN: 0014-5793, doi: 10.1016/j.febslet.2015.06.025
35	2015	Articolo in rivista Gratteri P, Massai L., Michelucci E., Rigo R., Messori L., Cinellu M.A., Musetti C., Sissi C., Bazzicalupi C. (2015). Interactions of selected gold(III) complexes with DNA G quadruplexes. DALTON TRANSACTIONS, vol. 44, p. 3633-3639, ISSN: 1477-9226, doi: 10.1039/c4dt02698e
36	2015	Articolo in rivista Parrino Barbara, Carbone Anna, Ciancimino Cristina, Spanò Virginia, Montalbano Alessandra, Barraja Paola, Cirrincione Girolamo, Diana Patrizia, Sissi Claudia, Palumbo Manlio, Pinato Odra, Pennati Marzia, Beretta Giovanni, Folini Marco, Matyus Peter, Balogh Balázs, Zaffaroni Nadia (2015). Water-soluble isoindolo[2,1-a]quinoxalin-6-imines: In vitro antiproliferative activity and molecular mechanism(s) of action. EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol. 94, p. 149-162, ISSN: 0223-5234, doi: 10.1016/j.ejmech.2015.03.005



37	2015	Articolo in rivista Parrino Barbara, Carbone Anna, Spanò Virginia, Montalbano Alessandra, Giallombardo Daniele, Barraja Paola, Attanzio Alessandro, Tesoriere Luisa, Sissi Claudia, Palumbo Manlio, Cirrincione Girolamo, Diana Patrizia (2015). Aza-isoindolo and isoindolo-azaquinoxaline derivatives with antiproliferative activity. EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol. 94, p. 367-377, ISSN: 0223-5234, doi: 10.1016/j.ejmech.2015.03.009
38	2015	Articolo in rivista Litta Pietro, Saccardi Carlo, Gizzo Salvatore, Conte Lorena, Ambrosi Giulia, Sissi Claudia, Palumbo Manlio (2015). Inflammatory cytokine expression following the use of bipolar electrocoagulation, ultracision harmonic scalpel and cold knife biopsy. MOLECULAR MEDICINE REPORTS, vol. 12, p. 2985-2990, ISSN: 1791-2997, doi: 10.3892/mmr.2015.3677
39	2015	Articolo in rivista Morellato N, Musetti C., Palumbo M., Dolmella A., Bolzati C., Sissi C. (2015). Biologically relevant Cu ²⁺ complexes with a tridentate phenanthroline analogue: structural properties and DNA damage. INORGANICA CHIMICA ACTA, vol. 434, p. 127-134, ISSN: 0020-1693, doi: 10.1016/j.ica.2015.04.037
40	2015	Articolo in rivista Sissi Claudia, Moro Stefano, Crothers Donald M. (2015). Novel insights on the DNA interaction of calicheamicin γ 11. BIOPOLYMERS, vol. 103, p. 449-459, ISSN: 1097-0282, doi: 10.1002/bip.22591
41	2015	Articolo in rivista Palermo Giulia, Minniti Elirosa, Greco Maria Laura, Riccardi Laura, Simoni Elena, Convertino Marino, Marchetti Chiara, Rosini Michela, Sissi Claudia, Minarini Anna, De Vivo Marco (2015). An optimized polyamine moiety boosts the potency of human type II topoisomerase poisons as quantified by comparative analysis centered on the clinical candidate F14512. CHEMICAL COMMUNICATIONS, vol. 51, p. 14310-14313, ISSN: 1359-7345, doi: 10.1039/c5cc05065k
42	2015	Articolo in rivista Marchetti Chiara, Minarini Anna, Tumiatti Vincenzo, Moraca Federica, Parrotta Lucia, Alcaro Stefano, Rigo Riccardo, Sissi Claudia, Gunaratnam Mekala, Ohnmacht Stephan A., Neidle Stephen, Milelli Andrea (2015). Macrocyclic naphthalene diimides as G-quadruplex binders. BIOORGANIC & MEDICINAL CHEMISTRY, vol. 23, p. 3819-3830, ISSN: 0968-0896, doi: 10.1016/j.bmc.2015.03.076
43	2015	Articolo in rivista Musetti C., Mion G., Da Ros S., Gianferrara T., Sissi C. (2015). DNA targeting by cationic porphyrin-ruthenium(II) conjugates. CHEMPLUSCHEM, vol. 80, p. 158-168, ISSN: 2192-6506, doi: 10.1002/cplu.201402275
44	2014	Articolo in rivista O. Pinato, C. Musetti, C. Sissi (2014). Pt-based drugs: the spotlight will be on proteins. METALLOMICS, vol. 6, p. 380-395, ISSN: 1756-5901, doi: 10.1039/c3mt00357d



45	2014	Articolo in rivista C. Sissi, M. Palumbo (2014). Telomeric G-quadruplex architecture and interactions with potential drugs. CURRENT PHARMACEUTICAL DESIGN, vol. 20, p. 6489-6509, ISSN: 1381-6128
46	2014	Articolo in rivista Giuseppe Zagotto, Alessandra Gianoncelli, Claudia Sissi, Cristina Marzano, Valentina Gandin, Riccardo Pasquale, Giovanni Capranico, Giovanni Ribaud, Manlio Palumbo (2014). Novel Ametrantrone-Amsacrine Related Hybrids as Topoisomerase II? Poisons and Cytotoxic Agents. ARCHIV DER PHARMAZIE, vol. 347, p. 728-737, ISSN: 0365-6233, doi: 10.1002/ardp.201400111
47	2014	Articolo in rivista S. Da Ros, E. Zorzan, M. Giantin, L. Zorro Shahidian, M. Palumbo, M. Dacasto, C. Sissi (2014). Sequencing and G-quadruplex folding of the canine proto-oncogene KIT promoter region: might dog be used as a model for human disease?. PLOS ONE, vol. 9, ISSN: 1932-6203, doi: 10.1371/journal.pone.0103876
48	2014	Abstract in Atti di convegno DA ROS S., ZORZAN E., MUSETTI C., GIANTIN M., ZORRO SHAHIDIAN L., PALUMBO M., DACASTO M., SISSI C. (2014). Characterization of the promoter region of the proto-oncogene c-kit in canine mast cell tumour. In: Atti dell'VIII Edizione del Meeting "Nuove Prospettive in Chimica Farmaceutica". Parma, Italia, 9-11 giugno 2014
49	2014	Poster E. ZORZAN, S. DA ROS, L. SHAHIDIAN, C. MUSETTI, M. GIANTIN, M. PALUMBO, C. SISSI, M. DACASTO (2014). A G-quadruplex binding compound down-regulates KIT, BCL2 and PDGFR β expression in human gastric carcinoma cell line. In: Proceedings of the 18th International Congress on In Vitro Toxicology (ESTIV) 2014. p. 92, Egmond aan Zee, The Netherlands, June 10-13, 2014
50	2013	Articolo in rivista F. Di Leva, P. Zizza, C. Cingolani, C. D'Angelo, B. Pagano, J. Amato, SISSI, CLAUDIA, O. Pinato, L. Marinelli, A. Cavalli, S. Cosconati, E. Novellino, A. Randazzo, A. Biroccio (2013). Exploring the chemical space of G-quadruplex binders: discovery of a novel chemotype targeting the human telomeric sequence. JOURNAL OF MEDICINAL CHEMISTRY, vol. 56, p. 9646-9654, ISSN: 0022-2623, doi: 10.1021/jm401185b
51	2013	Articolo in rivista Sara Bianco, Caterina Musetti, A. Paul Krapcho, Manlio Palumbo, Claudia Sissi (2013). Ni ²⁺ and Cu ²⁺ complexes of a phenanthroline-based ligand bind to G-quadruplexes at non-overlapping sites. CHEMICAL COMMUNICATIONS, vol. 49, p. 8057-8059, ISSN: 1359-7345, doi: 10.1039/c3cc44382e
52	2013	Articolo in rivista Andrea Spallarossa, Chiara Rotolo, Claudia Sissi, Giuseppe Marson, Maria Laura Greco, Angelo Ranise, Paolo La Colla, Bernardetta Busonera, Roberta Loddo (2013). Further SAR studies on bicyclic basic merbarone analogues as potent antiproliferative agents. BIOORGANIC & MEDICINAL CHEMISTRY, vol. 21, p. 6328-6336, ISSN: 0968-0896, doi: 10.1016/j.bmc.2013.08.056



53	2013	Articolo in rivista SISSI, CLAUDIA, B. Cheng, V. Lombardo, Y. C. Tse Dinh, PALUMBO, MANLIO (2013). Metal ion and inter-domain interactions as functional networks in E. coli topoisomerase I. GENE, vol. 524, p. 253-260, ISSN: 0378-1119, doi: 10.1016/j.gene.2013.04.008
54	2013	Articolo in rivista C. Musetti, A. P. Krapcho, PALUMBO, MANLIO, SISSI, CLAUDIA (2013). Effect of G-quadruplex polymorphism on the recognition of telomeric DNA by a metal complex. PLOS ONE, vol. 8, ISSN: 1932-6203, doi: 10.1371/journal.pone.0058529
55	2013	Articolo in rivista O. Pinato, C. Musetti, N. P. Farrell, SISSI, CLAUDIA (2013). Platinum-based drugs and proteins: reactivity and relevance to DNA adduct formation. JOURNAL OF INORGANIC BIOCHEMISTRY, vol. 122, p. 27-37, ISSN: 0162-0134, doi: 10.1016/j.jinorgbio.2013.01.007
56	2013	Articolo in rivista Stefano Alcaro, MUSETTI, CATERINA, Simona Distinto, Margherita Casatti, ZAGOTTO, GIUSEPPE, Anna Artese, Lucia Parrotta, Federica Moraca, Giosuè Costa, Francesco Ortuso, Elias Maccioni, SISSI, CLAUDIA (2013). Identification and Characterization of New DNA G-Quadruplex Binders Selected by a Combination of Ligand and Structure-Based Virtual Screening Approaches. JOURNAL OF MEDICINAL CHEMISTRY, vol. 56, p. 843-855, ISSN: 0022-2623, doi: 10.1021/jm3013486
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Responsabilità scientifica per progetti di ricerca internazionali e nazionali, ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari

- Progetti di Ricerca di Ateneo_2014 (#CPDA078422/12)
dal 12-02-2008 al 24-02-2010
- Responsabile Scientifico dell'Unità di ricerca PRIN 2009 # 2009MFRKZ8_004
dal 17-10-2011 al 17-10-2013
- Progetti di Ricerca di Ateneo_2014 (#CPDA147272/14)
dal 01-02-2015 al 31-01-2016
- Identification of a new Secondary Structure in Mycobacterium Tuberculosis genome as a potential pharmacological target
dal 01-04-2019 a oggi
- Structural characterization of interactions between small molecules and C-rich DNA adopting non-canonical structure
dal 01-05-2019 al 30-04-2020
- INTERACTION BETWEEN INTERMEDIATE FILAMENT PROTEINS AND G-RICH ONCOGENE PROMOTERS: A NOVEL PERSPECTIVE TO CONTROL GENE EXPRESSION
dal 01-01-2020 a oggi
- Structural characterization of interactions between small molecules and C-rich DNA adopting non-canonical structures
dal 01-11-2020 a oggi

Direzione o partecipazione a comitati editoriali di riviste, collane editoriali, enciclopedie e trattati di riconosciuto prestigio

- comitato editoriale di Current Medicinal Chemistry-Anticancer Agents
dal 01-01-2005 a oggi
- comitato editoriale Frontiers
dal 01-01-2015 a oggi
- Comitato editoriale International Journal of Molecular Sciences
dal 01-01-2020 a oggi

Incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali

- reseach fellow at the CHEMISTRY DEPARTMENT, YALE UNIVERSITY, NEW HAVEN, CT, USA
dal 01-06-1993 al 31-07-1994

Premi e riconoscimenti per l'attività scientifica, inclusa l'affiliazione ad accademie di riconosciuto prestigio nel settore

- Premio "LUCIA DRAGO" per tesi di laurea riguardanti le problematiche della terapia dei tumori
dal 01-03-1991 a oggi
- Membro American Association for Cancer Research (AACR)
dal 01-01-2000 al 01-01-2012
- Membro Societa' Chimica Italiana (SCI)
dal 01-01-2009 a oggi



- seconda classificata a Start Cup Veneto 2013, con il progetto SURUS BIOTECH come responsabile scientifica
dal 01-04-2013 a oggi

Nei settori concorsuali in cui è appropriato, risultati ottenuti nel trasferimento tecnologico in termini di partecipazione alla creazione di nuove imprese (spin off), sviluppo, impiego e commercializzazione di brevetti

- INVENTORE DEL BREVETTO DERIVATI 5 CARBOSSAMIDICI DELL'ACIDO N1,N2-DIFENIL-2-TIOBARBITURICO QUALI INIBITORI DELLA TOPOISOMERASI DI TIPO II A LORO USO COME MEDICINALI
dal 15-02-2017 a oggi
- inventore del brevetto 102016000130706 4 AMINO-2-PIRIDO-BICICLO PIRIMIDINE E LO USO COME MEDICAMENTI PCT/EP2017/083087 (PT160337) ISR
dal 15-12-2017 a oggi

Altri titoli che contribuiscano a una migliore definizione del profilo scientifico

- Partecipazione MPNS COST Action MP0802 2008-2012 - Self-assembled guanosine structures for molecular electronic devices
dal 21-11-2008 al 20-11-2012
- partecipazione COST Action CA15135 Multi-target paradigm for innovative ligand identification in the drug discovery process (MuTaLig)
dal 18-04-2016 a oggi
- Vicecoordinatore del Corso di Dottorato in "Scienze Molecolari" dell'Universita' di Padova
dal 01-01-2017 a oggi

