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Prof. Giuseppe Campiani

Full Professor of Medicinal Chemistry

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WORK EXPERIENCE

• Data	**2018-2021**
• Institution	**MIUR**
• Position	**Membro della Commissione Abilitazione Scientifica Nazionale SC 03/D1**
• Dates (from – to date)	**2017-18**
• Institution	**MIUR**
• Position	**Management Committee FARE Projects**
• Data	**2014-2016**
• Institution	**C.R.U.I**
• Position	**Coordinamento CRUI per la Cooperazione Internazionale Universitaria e Referente per i Progetti di Cooperazione Internazionale P.R.I.M.A. – EU e UNSDSN – MED**
• Data	**2011 – 2016**
• Institution	**University of Siena**
• Position	**Rector's Delegate for International Cooperation and Development of Siena University**
• Dates (from – to date)	**2003 – 2016**
• Institution	**European Research Centre for Drug Discovery and Development – *NatSynDrugs* (www.natsyndrugs.org)**
• Position held	**Director**
• Dates (from – to date)	**2013 – 2015**
• Institution	**University of Siena**
• Position held	**Coordinator of Courses at the School of Pharmacy**
• Dates (from – to date)	**2011 – 2016**
• Institution	**UNISI SIENA AGRIFOOD for food security and sustainable agricolture**

• Position held	**Co-Founder**
• Dates (from – to date)	**2010 – to date**
• Institution	**CIRM – Italian Malaria Network**
• Position held	**Co-founder**
• Dates (from – to date)	**2008 - 2012**
• Institution	**University of Siena**
• Position held	**Head of the Dept of Pharmaceutical Sciences and Applied Chemistry**
• Dates (from – to date)	2002 – to date
• Institution	University of Siena
• Position held	Full Professor of Medicinal Chemistry
• Dates (from – to date)	2000-2001
• Institution	Trinity College in Dublin, Dept of Biochemistry
• Position held	Visiting Professor
• Dates (from – to date)	1998-2000
• Institution	University of Salerno, IT
• Position held	Associate Professor of Medicinal Chemistry
• Dates (from – to date)	1992-1995
• Institution	Columbia University in the City of New York and Mayo Clinic Jacksonville
• Position held	Post doctoral fellow and Visiting Scientist
• Dates (from – to date)	1985-1997
• Institution	University of Siena
• Position held	PhD in Pharmaceutical Sciences and Permanent Associate Researcher

BIBLIOMETRIC INDEXES

SCOPUS January 2021: H-index 42- Citations: 5519
Google Scholar January 2021: H-index : 45 – Citations: 6462
Number of Publications: 216 (high IF Journals)
Patents: 17 granted international patents

PROFESSIONAL SKILLS AND COMPETENCES

SCIENTIFIC LEADERSHIP PROFILE

EXPLORATION OF CHEMISTRY AND BIOLOGY OF NATURALLY-OCCURRING AND SYNTHETIC ORGANIC MOLECULES WITH THERAPEUTIC POTENTIAL IN NEURODEGENERATIVE, NEUROPSYCHIATRIC, CANCER, VIRAL (HIV/HCV) AND PARASITIC (MALARIA/LEISHMANIA) DISEASES IS THE MAIN TOPIC OF PROF. CAMPIANI RESEARCH ACTIVITY. THESE INTERESTS INCLUDE TARGET SELECTION AND THE RATIONAL DESIGN OF INNOVATIVE DRUGS, THE DISCOVERY OF NEW SYNTHETIC METHODOLOGIES AND GENERAL STRATEGIES FOR SYNTHESIS, BIOINFORMATICS AND THE STUDY OF IMPORTANT STRUCTURE-FUNCTION RELATIONSHIPS.

DURING ITS PROFESSIONAL CAREER, PROF. CAMPIANI LEADED MORE THAN 50 PHD STUDENTS AND POST-DOCS. THE TEACHING AND TRAINING OF STUDENTS AS TOMORROW'S SCIENTISTS IS A VERY IMPORTANT PART OF PROF. CAMPIANI ACADEMIC ENDEAVOR AND MOTIVATING STUDENT TO THEIR WORK IS A GRATIFYING TASK IN THE OVERALL RESEARCH ACTIVITIES. UNDERGRADUATE STUDENTS, PHD STUDENTS AND POST-DOCS, EACH WITH THEIR DIFFERENT LEVEL OF BACKGROUND AND EXPERIENCE IN CHEMICAL SYNTHESIS AND DRUG DESIGN CONTRIBUTED TO THE SUCCESSFUL DEVELOPMENT OF NOVEL POTENTIAL DRUGS AGAINST A NUMBER OF BIOLOGICAL TARGETS AND DISEASES WITH TREMENDOUS MOTIVATION AND DETERMINATION. MOST OF THEM CONTINUED THEIR CAREER IN THE FIELD OF DRUG DISCOVERY AND DEVELOPMENT, BOTH IN ACCADEMIA OR IN PHARMA INDUSTRY.

EU PROJECTS

- EU H2020 2016: *TRACT* 721906 ITN TREATMENT OF RARE CANCERS – RESEARCH COORDINATOR
- ANTIMAL LSHP-CT-2005-018834 "DEVELOPMENT OF NEW DRUGS FOR THE TREATMENT OF MALARIA" GRANTED BY EU-FP6 IN 2005
- SPIDERA FOR LIFE LSH-2005-3-1-037207 "SPEEDING COLLABORATIONS IN THE LIFE SCIENCE AND HEALTH DOMAIN OF THE EUROPEAN RESEARCH AREA AND BEYOND" GRANTED BY EU-FP6 SSA 2007.2009
- SME BIO POWER FP7-201119 "EMPOWERING BIOMEDICAL AND BIOENGINEERING SMES TO PROMOTE PARTICIPATION IN FP7 PROJECTS" GRANTED BY EU-FP7 SSA 2008-2011
- INTERMALTRAINING – 2009 FP7 ITN MARIE CURIE ACTION – 215281-1 "INTERVENTION STRATEGIES AGAINST MALARIA"
- EUROPEAN GRADUATE SCHOOL OF MALARIA 2006 LSHP-CT-2005-018834

NATIONAL PROJECTS

PRIN 2015 – PROT. 20154JRJPP TOWARDS MULTI-STAGE DRUGS TO FIGHT POVERTY RELATED AND NEGLECTED PARASITIC DISEASES **PI – NATIONAL COORDINATOR**

- PRIN 2004 – PROT. 2004032851_003 - **PI RU**
- PRIN 2006 -PROT.2006033492_003 - **PI RU**
- PRIN 2008 – PROT. 20088SPEFN_005 PROGETTAZIONE E SINTESI DI MODULATORI DI FAAH E MAGL - **PI RU**
- PRIN 2010 -PROT.2010M2JARJ - 008 - **PI RU**
- MAECI 2014 LUTTE CONTRE LE PALUDISME AU BURKINA FASO: FORMATION ET RECHERCHE EN PALUDOLOGIE – **MEMBRO C.O.S**. 2015 - 2020

COORDINATION OF INDUSTRIAL PROJECTS

- SIGMA-TAU/UNISI "STUDIO DI POTENZIALI INIBITORI REVERSIBILI DI FAAH PROT. N° 3884 IN 2007
- SIGMA-TAU/UNISI "PROGETTAZIONE E SINTESI DI NUOVI INIBITORI DI FAAH PROT. N° 4697 IN 2008
- SIGMA-TAU/UNISI "INIBITORI DI FAAH PROT. N° 5113 / 2009
- SIGMA-TAU (IT)/UNISI "NUOVI ANTIPSICOTICI ATIPICI IN 2003 D R&S/03/C./81
- SIGMA-TAU (IT)/UNISI "SINTESI DI MOLECOLE A PROBABILE ATTIVITA' MGLU/D2 IN 2005-2006 D R&S/04/CR/77
- SIGMA-TAU (IT)/UNISI "SINTESI DI MOLECOLE AD ATTIVITA' AGONISTA SU RECETTORE MGLUR5 E ANTAGONISTA SUL D2 2007 PROT. N° 4351/2007
- SIGMA-TAU (IT)/UNISI "NUOVI ANTISCHIZOFRENICI AD ATTIVITA' AGONISTA PARZIALE SU RECETTORE MGLUR5 E ANTAGONISTA SUL D2 2007 PROT. N° 4802/2008
- SIGMA-TAU (IT)/UNISI "MNSNC SINTESI DI ANTAGONISTI D2, 5HT2 ANTIPSICOTICI ATIPICI IN 2001-2002 D R&S/00/CR/57
- SIGMA-TAU (IT)/UNISI "NUOVI ANTIPSICOTICI ATIPICI IN 2003 ACCORDO QUADRO PROT. N° 2891 DEL 2003
- SIGMA-TAU (IT)/UNISI "SINTESI DI NUOVE MOLECOLE AD ATTIVITA' ANTIPSICOTICA PER IL PROGETTO IDENTIFICAZIONE MOLECOLA DERIVATA DA ST1469 – SVILUPPO SINTESI SEMPLIFICATA PROT. 3187/2004
- SIGMA-TAU (IT)/UNISI "MNSNC SINTESI DI ANTAGONISTI D2, 5HT2 ANTIPSICOTICI ATIPICI IN 2000 D R&S/01/C./08
- SIGMA-TAU (IT)/UNISI "MNSNC SINTESI DI ANTAGONISTI D2, 5HT2 ANTIPSICOTICI ATIPICI IN 1998-1999 D R&S/98/CR/39
- SIGMA-TAU (IT)/UNISI CONTRATTO DI RICERCA: BREVETTAZIONE DI FARMACI ANTIPSICOTICI PROT. 1394 DEL1998
- SIGMA-TAU (IT)/UNISI "SINTESI DI MOLECOLE ORIGINALI CON AFFINITA' PER IL RECETTORE 5HT6 IN 1998, PROT. 1393
- SIGMA-TAU (IT)/UNISI "MNSNC SINTESI DI ANTAGONISTI 5HT6 IN 2000 D R&S/00/CR./05
- SIGMA-TAU (IT)/UNISI "STUDI SINTETICI PER MOLECOLE DI INTERESSE 1998 D R&S/98/CR./15
- SIGMA-TAU (IT)/UNISI "STUDI SINTETICI PER MOLECOLE DI INTERESSE 1998 D R&S/98/CR./17
- NEUROSEARCH (DK)/UNISI "SYNTHESIS OF COMPOUNDS FOR CALCIUM CHANNELS" IN 2002-2003 PROT. 2810 DEL 2002
- NEUROSEARCH (DK)/UNISI "GENERATING CHEMICAL ENTITIES SUITABLE FOR DEVELOPMENT AS A THERAPEUTIC TREATMENT OF PSYCHOSIS" IN 2004-2005 PROT 3361/299/2004
- NEUROSEARCH (DK)/UNISI "NEW THERAPEUTIC TOOLS FOR NEUROPSYCHIATRIC DISORDERS" IN 2005-2007 PROT. N° 3900
- NEUROSEARCH (DK)/UNISI "RESEARCH AGREEMENT IN 2008-2011
- INTERMUNE US/UNISI RESEARCH AGREEMENT FOR BINDER: DRUGS AGAINST HCV, 2005 PROT. N° 2769/2005

COORDINATION OF PROJECTS FUNDED BY OTHER ORGANIZATIONS

- EPIGENETIC AND PROTEOMIC APPROACHES TOWARDS IPF - BANDO SALUTE REGIONE TOSCANA 2018 PROGETTO HIDE-IPF, DD 8245 DEL 26/05/2020 – COORDINATORE SCIENTIFICO 2020-2023
- DEVELOPMENT OF PERSONALIZED DIAGNOSIS AND INNOVATIVE THERAPIES FOR RESISTANT CLL - BANDO SALUTE REGIONE TOSCANA 2018 PROGETTO PRECISECLL, DD 975 DEL 16/01/2020
- DEVELOPMENT OF INNOVATIVE ANTITUMOR AGENTS – REGIONE TOSCANA BANDO SALUTE HEALTH 2010-CUP: B61J09000610007

- DEVELOPMENT OF INNOVATIVE PEPTIDIC ANTICANCER AGENTS – ISTITUTO TOSCANO TUMORI - REGIONE TOSCANA HEALTH 2013 PROT.11829-III/14 29/3/2013
- SIENABIOTECH/UNISI SMAG – REGIONE TOSCANA 2013 PROT.30106/-III/19
- EXONANODI APPLIED NANOTECHNOLOGIES – REGIONE TOSCANA PROT. N° 6081/2013 2013-2015
- SIENABIOTECH/UNISI CONTRATTO DI RICERCA PROGETTAZIONE E SINTESI DI PICCOLI PEPTIDI INTERFERENTI CON IL RICONOSCIMENTO LRP6 E DKK1 - 2013

PATENTS

G. Campiani et Al. Compounds with Atypical Antipsychotic Activity
RM2004A000178
US20080293689
WO 2005/097797
G. Campiani et Al. Apoptosis-inducing compounds
US6806267 (B1)
WO 1999056736
G. Campiani et Al. PYRROLO[2,1-B][1,3]BENZOTHIAZEPINES WITH ATYPICAL ANTIPSYCHOTIC ACTIVITY
WO 2000/00/06579
US 6,391,870
G. Campiani et Al. Pyrrolo[2,1-b][3,1] benzothiazepines and their use for the preparation of medicaments with antipsychotic activity
RM2000A000432
US20030186959
WO/2002/010175A1
G. Campiani et Al. NOVEL 4-AMINO-QUINOLINE DERIVATIVES USEFUL AS ANTI-MALARIA DRUGS
WO2008101891(A1)
DE602008002563D1
US20100093726
G. Campiani et Al. ARYL PIPERAZINE DERIVATIVES FOR THE TREATMENT OF NEUROPSYCHIATRIC DISORDERS
WO2006072608(A2)
G. Campiani et Al. Novel Aryl Piperazine Derivatives With Medical Utility
US20090238761
G. Campiani et Al. ARYL PIPERAZINE DERIVATIVES USEFUL FOR THE TREATMENT OF NEUROPSYCHIATRY DISORDERS
WO2008043839(A1)
US20100087445
G. Campiani et Al. CONDENSED PYRIMIDINONES ACTIVE ON GLUTAMATERGIC RECEPTORS
WO2008031888
G. Campiani et Al. CARBAMATE DERIVATIVES IN PARTICULAR FOR THE TREATMENT OF NEUROLOGICAL DISORDERS
WO2010/105930 (A1)
G. Campiani et QUINOLIN-4-YLHYDRAZINE DERIVATIVES AS ANTIMALARIAL AGENT Al.
WO/2007/104695A1
G. Campiani et Al. ANTIMALARIAL AGENTS HAVING POLYAROMATIC STRUCTURE
WO/2007/104696A1

Relevant Publications

SCIENTIFIC PUBLICATIONS

2020

1. (+)-(R)- and (−)-(S)-Perhexiline maleate: Enantioselective synthesis and functional studies on Schistosoma mansoni larval and adult stages. larval and adult stages Guidi, A., Prasanth Saraswati, A., Relitti, N., Campiani, G., Ruberti, G., Gemma, S. Bioorganic Chemistry **2020**, 102,104067
2. Selective Histone Deacetylase 6 Inhibitors Restore Cone Photoreceptor Vision or Outer Segment Morphology in Zebrafish and Mouse Models of Retinal Blindness Sundaramurthi, H., Roche, S.L., Grice, G.L., Campiani, G., Nathan, J.A., Kennedy, B.N. Frontiers in Cell and Developmental Biology, **2020**, 8,689
3. Retinitis Pigmentosa and Retinal Degenerations: Deciphering Pathways and Targets for Drug Discovery and Development Carullo, G., Federico, S., Relitti, N., Gemma, S., Butini, S., Campiani, G. ACS Chemical Neuroscience, **2020**, 11(15), 2173-2191
4. Ionotropic Glutamate Receptor GluA2 in Complex with Bicyclic Pyrimidinedione-Based Compounds: When Small Compound Modifications Have Distinct Effects on Binding Interactions Frydenvang, K., Pickering, D.S., Kshirsagar, G.U., Campiani G., Butini, S., Kastrup, J.S. ACS Chemical Neuroscience, **2020**, 11, 1791-1800
5. Autophagy modulators for the treatment of oral and esophageal squamous cell carcinomas. Khan, T., Relitti, N., Brindisi, M., Butini, S., Campiani, G. Medicinal Research Reviews, **2020**, 40(3), pp. 1002-1060
6. Computer-driven development of an in silico tool for finding selective histone deacetylase 1 inhibitors. Sirous, H., Campiani, G., Brogi, S., Calderone, V., Chemi, G. Molecules, **2020**, 25(8),1952
7. Screening and Phenotypical Characterization of Schistosoma mansoni Histone Deacetylase 8 (SmHDAC8) Inhibitors as Multistage Antischistosomal Agents. Saccoccia, F., Brindisi, M., Gimmelli, R., Campiani, G., Gemma, S., Ruberti, G. ACS Infectious Diseases, **2020**, 6(1), 100-113
8. Old but Gold: Tracking the New Guise of Histone Deacetylase 6 (HDAC6) Enzyme as a Biomarker and Therapeutic Target in Rare Diseases Brindisi, M., Saraswati, A.P., Brogi, S., Gemma, S., Butini, S., Campiani, G. J. Med. Chem., **2020**, 63(1), 23-39
9. Modulation of the Innate Immune Response by Targeting Toll-like Receptors: A Perspective on Their Agonists and Antagonists Federico, S., Pozzetti, L., Papa, A., Carullo, G., Gemma, S., Butini, S., Campiani, G., Relitti, N. J. Med. Chem., **2020**, 63, 13466-13513.
10. Cinnamides Target Leishmania amazonensis Arginase Selectively da Silva, E.R., Come, J.A.A.D.S.S., Brogi, S., Calderone, V., Chemi, G., Campiani, G., Oliveira, T.M.F.S., Pham, T.-N., Pudlo, M., Girard, C., Maquiaveli, C.D.C. Molecules, **2020**, 25(22)
11. Spiroindoline-Capped Selective HDAC6 Inhibitors: Design, Synthesis, Structural Analysis, and Biological Evaluation Saraswati, A.P., Relitti, N., Brindisi, M., ...Christianson, D.W., Campiani, G. ACS Medicinal Chemistry Letters, **2020**, 11, 2268–2276
12. Telomerase-based cancer therapeutics: A review on their clinical trials Relitti, N., Saraswati, A.P., Federico, S., ...Butini, S., Campiani, G. Current Topics in Medicinal Chemistry, **2020**, 20, 433–457

2019

1. Identification of Novel 3-Hydroxy-pyran-4-One Derivatives as Potent HIV-1 Integrase Inhibitors Using in silico Structure-Based Combinatorial Library Design Approach, Sirous, H.; Chemi, G.; Gemma, S.; Butini, S.; Debyser, Z.; Christ, F.; Saghaie, L.; Brogi, S.; Fassihi, A.; Campiani, G.; Brindisi, M.,. *Front Chem* **2019,** *7, 574*.
2. Bridged bicyclic 2,3-dioxabicyclo[3.3.1]nonanes as antiplasmodial agents: Synthesis, structure-activity relationships and studies on their biomimetic reaction with Fe(II). D'Alessandro, S.; Alfano, G.; Di Cerbo, L.; Brogi, S.; Chemi, G.; Relitti, N.;

Brindisi, M.; Lamponi, S.; Novellino, E.; Campiani, G.; Gemma, S.; Basilico, N.; Taramelli, D.; Baratto, M. C.; Pogni, R.; Butini, S., *Bioorganic chemistry* **2019,** *89, 103020*.
3. Raising the bar in anticancer therapy: recent advances in, and perspectives on, telomerase inhibitors. Saraswati, A. P.; Relitti, N.; Brindisi, M.; Gemma, S.; Zisterer, D.; Butini, S.; Campiani, G., *Drug discovery today* **2019,** *24* (7), 1370-1388.
4. Dietary polyphenols rutin, taxifolin and quercetin related compounds target Leishmania amazonensis arginase. da Silva, E. R.; Brogi, S.; Lucon, J. F.; Campiani, G.; Gemma, S.; Maquiaveli, C. D., *Food Funct* **2019,** *10* (6), 3172-3180.
5. A light in the dark: state of the art and perspectives in optogenetics and optopharmacology for restoring vision. Chemi, G.; Brindisi, M.; Brogi, S.; Relitti, N.; Butini, S.; Gemma, S.; Campiani, G., *Future medicinal chemistry* **2019,** *11* (5), 463-487.
6. Allosteric Modulation of Ionotropic Glutamate Receptors: An Outlook on New Therapeutic Approaches To Treat Central Nervous System Disorders. Brogi, S.; Campiani, G.; Brindisi, M.; Butini, S., *ACS Medicinal Chemistry Letters* **2019,** *10* (3), 228-236.
7. Cinnamic acids derived compounds with antileishmanial activity target Leishmania amazonensis arginase.da Silva, E. R.; Brogi, S.; Grillo, A.; Campiani, G.; Gemma, S.; Vieira, P. C.; Maquiaveli, C. D., *Chemical biology & drug design* **2019,** *93* (2), 139-146.
8. Structure-activity relationships, biological evaluation and structural studies of novel pyrrolonaphthoxazepines as antitumor agents. Brindisi, M.; Ulivieri, C.; Alfano, G.; Gemma, S.; Balaguer, F. D.; Khan, T.; Grillo, A.; Chemi, G.; Menchon, G.; Prota, A. E.; Olieric, N.; Lucena-Agell, D.; Barasoain, I.; Diaz, J. F.; Nebbioso, A.; Conte, M.; Lopresti, L.; Magnano, S.; Amet, R.; Kinsella, P.; Zisterer, D. M.; Ibrahim, O.; O'Sullivan, J.; Morbidelli, L.; Spaccapelo, R.; Baldari, C.; Butini, S.; Novellino, E.; Campiani, G.; Altucci, L.; Steinmetz, M. O.; Brogi, S., *Eur J Med Chem* **2019,** *162*, 290-320.
9. An integrated in silico screening strategy for identifying promising disruptors of p53-MDM2 interaction. Sirous, H.; Chemi, G.; Campiani, G.; Brogi, S., *Computational biology and chemistry* **2019**, 83, 107105.
10. Development of novel multipotent compounds modulating endocannabinoid and dopaminergic systems.Grillo, A.; Chemi, G.; Brogi, S.; Brindisi, M.; Relitti, N.; Fezza, F.; Fazio, D.; Castelletti, L.; Perdona, E.; Wong, A.; Lamponi, S.; Pecorelli, A.; Benedusi, M.; Fantacci, M.; Valoti, M.; Valacchi, G.; Micheli, F.; Novellino, E.; Campiani, G.; Butini, S.; Maccarrone, M.; Gemma, S., *Eur J Med Chem* **2019**, 183, 111674.
11. Dealing with schistosomiasis: Current drug discovery strategies. Gemma, S., Federico, S., Brogi, S., Brindisi, M., Butini, S., Campiani, G**.** *Annual Reports in Medicinal Chemistry,* **2019,** 55, 107-138 Chapter in Book, DOI:10.1016/bs.armc.2019.06.002
12. A repurposing approach for uncovering the anti-tubercular activity of FDA-approved drugs with Potential Multi-Targeting Profiles Battah, B., Chemi, G., Butini, S., Campiani, G., (...), Delogu, G., Gemma, S. Molecules 2019, 24(23),4373
13. Synthesis, molecular modelling and biological studies of 3-hydroxy-pyrane-4-one and 3-hydroxy-pyridine-4-one derivatives as HIV-1 integrase inhibitors Sirous, H., Fassihi, A., Brogi, S., Campiani, G., Saghaie, L., Memarian, H.R. Medicinal Chemistry **2019** 15(7), pp. 755-770

2018

1. (S)-2-Amino-3-(5-methyl-3-hydroxyisoxazol-4-yl)propanoic Acid (AMPA) and Kainate Receptor Ligands: further exploration of bioisosteric replacements and structural and biological investigation. Brogi S, Brindisi M, Butini S, Kshirsagar G U., Maramai S, Chemi G, Gemma S, Campiani G, Novellino E, Fiorenzani P, Pinassi J, Aloisi A M, Gynther M, Venskutonytė R, Han L, Frydenvang K, Kastrup Jette S, Pickering D S. J.Med. Chem, **2018**, 61, p. 2124-2130
2. Antimalarial agents against both sexual and asexual parasites stages: structure-activity relationships and biological studies of the Malaria Box compound 1-[5-(4-

bromo-2-chlorophenyl)furan-2-yl]- N -[(piperidin-4-yl)methyl]methanamine (MMV019918) and analogues. Vallone A, D'Alessandro S, Brogi S, Brindisi M, Chemi, G, Alfano G, Lamponi S, Lee SG, Jez J M., Koolen K. J. M., Dechering K. J., Saponara S, Fusi F, Gorelli B, Taramelli D, Parapini S, Caldelari R, Campiani G, Gemma S, Butini S. Eur.J.Med Chem, **2018**, 150, p. 698-718.
3. Development of Potent Inhibitors of the Mycobacterium tuberculosis Virulence Factor Zmp1 and Evaluation of Their Effect on Mycobacterial Survival inside Macrophages. Paolino M, Brindisi M, Vallone A, Butini S, Campiani G, Nannicini C, Giuliani G, Anzini M, Lamponi S, Giorgi G, Sbardella D, Ferraris D M, Marini S, Coletta, M, Paolucci I, Minerva M, Delogu G, Pepponi I, Goletti D, Cappelli A, Gemma S, Brogi S. ChemMedChem, **2018**, 13, p. 422-430.
4. iPSC-derived neurons profiling reveals GABAergic circuit disruption and acetylated α-tubulin defect which improves after iHDAC6 treatment in Rett syndrome Landucci, E., Brindisi, M., Bianciardi, L., Campiani, G., Meloni, I. et Al Experimental Cell Research **2018**, 368(2), pp. 225-235
5. Novel spiroindoline HDAC inhibitors: Synthesis, molecular modelling and biological studies Brindisi, M., Senger, J., Cavella, C., Campian, G., Altucci, L., Brogi, S. et Al European Journal of Medicinal Chemistry **2018**, 157, pp. 127-138
6. Development of a Multiplexed Activity-Based Protein Profiling Assay to Evaluate Activity of Endocannabinoid Hydrolase Inhibitors. Janssen APA, van der Vliet D, Bakker AT, Jiang M, Grimm SH, Campiani G, Butini S, van der Stelt M. ACS Chem Biol. 2018 Sep 21;13(9):2406-2413
7. Development of Potent Inhibitors of Fatty Acid Amide Hydrolase Useful for the Treatment of Neuropathic Pain. Brindisi M, Borrelli G, Brogi S, Grillo A, Maramai S, Paolino M, Benedusi M, Pecorelli A, Valacchi G, Di Cesare Mannelli L, Ghelardini C, Allarà M, Ligresti A, Minetti P, Campiani G, di Marzo V, Butini S, Gemma S. ChemMedChem. **2018** Oct 8;13(19):2090-2103.
8. Synthetic studies toward bicyclic endoperoxides presenting polar side chains. Gemma, S.; di Cerbo, L.; Relitti, N.; Vallone, A.; Brindisi, M.; Brogi, S.; Chemi, G.; Novellino, E.; Campiani, G.; Butini, S., Tetrahedron Lett **2018**, 59 (49), 4330-4333.
9. Jocic-type approach for a practical and scalable synthesis of pyrrolonaphthoxazepine (PNOX)-based potent proapoptotic agents. Federico, S.; Khan, T.; Relitti, N.; Chemi, G.; Brindisi, M.; Brogi, S.; Novellino, E.; Zisterer, D. M.; Campiani, G.; Gemma, S.; Butini, S., A Tetrahedron Lett **2018**, 59 (51), 4466-4470.
10. Discovery of iminobenzimidazole derivatives as novel cytotoxic agents, Chouha, N., Hammoud, H., Brogi, S., Campiani, G., Welsch, C., Robert, C., Vagner, S., Cresteil, T., Bentouhami, E., Désaubry, L., Open Medicinal Chemistry Journal, **2018**, 12 (1), 74-83.

SCIENTIFIC PUBLICATIONS 2008-2017

1. The FAAH inhibitor URB597 suppresses hippocampal maximal dentate afterdischarges and restores seizure-induced impairment of short and long-term synaptic plasticity. Colangeli R, Pierucci M, Benigno A, Campiani G, Butini S, Di Giovanni G. Sci. Rep. 2017 Sep 11;7(1):11152. doi: 10.1038/s41598-017-11606-
2. First dual AK/GSK-3β inhibitors endowed with antioxidant properties as multifunctional, potential neuroprotective agents. Brogi S, Ramunno A, Savi L, Chemi G, Alfano G, Pecorelli A, Pambianchi E, Galatello P, Compagnoni G, Focher F, Biamonti G, Valacchi G, Butini S, Gemma S, Campiani G, Brindisi M. Eur J Med Chem. 2017 Sep 29;138:438-457.
3. Computational Tool for Fast in silico Evaluation of hERG K+ Channel Affinity. Chemi G, Gemma S, Campiani G, Brogi S, Butini S, Brindisi M. Front Chem. 2017 Feb 23;5:7. doi: 10.3389/fchem.2017.00007.
4. Structural characterization of Giardia duodenalis thioredoxin reductase (gTrxR) and computational analysis of its interaction with NBDHEX. Brogi S, Fiorillo A, Chemi G, Butini S, Lalle M, Ilari A, Gemma S, Campiani G. Eur J Med Chem. 2017 Jul 28;135:479-49
5. Identification of novel fluorescent probes preventing PrPSc replication in prion diseases. Zaccagnini L, Brogi S, Brindisi M, Gemma S, Chemi G, Legname G, Campiani G, Butini S. Eur J Med Chem. 2017 Feb 15;127:859-873.
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