

Corbo Filomena. (female)

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BORN IN LUZERN (SVIZZERA) 17/09/1965

Associate professor of Medicinal Chemistry at the Department of Pharmacy - Pharmaceutical Sciences Università degli Studi "Aldo Moro" Via Orabona 4-Campus Universitario-70125 Bari (Italy).

Biography

- Degree in Pharmaceutical chemistry and technology, (1989 *cum laude*) and also in Pharmacy (2000 *cum laude*).
- Ph.D. in "Drug Chemistry" (1994).
- Post-doctoral fellowship (1995).
- Researcher at the Department of Pharmaceutical Chemistry (1996-2007).
- At the present she is Associate Professor of "Medicinal Chemistry" •
- She has expertise in Project Management (Course F.I.O.R.I, Training Intervention Organization for Research and Innovation; and Master "Manager of Research and Technical Sales for the market of innovation" *cum laude*.)
- She collaborates with the UNIBA project office.
- She was supervisor of a co-tutele France-Italy PhD thesis in Medicinal Chemistry
- Coordinator of course and Master •
- Coordination of many research projects (see below).
- Component of Management Committee and Contact point, for Regione Puglia, of the SIROE (Italian Society for research on essential oils).
- She was a member of the Ministerial Table for the Coordination of University Masters on European Regulations on Chemical Safety (Ministry of Health).
- She is Deputy of Rector of University of Bari for International Relationship.
- She is author of numerous papers on international journal and of a patent.

Educational activity

At the moment she attended at the course of "Medicinal Chemistry" for Herbal Science and Technology and Health Products degree, and of "Nutraceutical Science" for Pharmacy Degree.

Scientific activity

She works in the Department of Pharmacy - Pharmaceutical Sciences , University of Bari "A. Moro " , and belongs to the Scientific-Disciplinary Sector (SSD) CHIM/08 " Pharmaceutical Chemistry " She is partner of funded projects, both at regional and national level, focused on the study of interactions between original molecules and important prokaryotic and eukaryotic biological targets, and developed new biological techniques and appropriate synthetic and analytical skills. The research conducted by her team, involved topics such as anti-microbial, anti-cancer, rare diseases (myotonias) drugs and natural substances. Recently the research team has developed a particular interest in the Nutraceuticals, a new discipline, in large global development, which studies the extracts of plants, animals, minerals and micro-organisms used as isolated nutrients, supplements, or diets.

She is an expert for European Commission (**expert candidature number: EX2014D222642**) for **'Marie Skłodowska-Curie Actions Innovative Training Networks' (H2020-MSCA-ITN-2016).**

She was involved in many research project at regional and national level

- **Coordination of the research project** "*Development of a Regional Chemioteca for drug screening of newly synthesized molecules*", funded by the **Foundation Caripuglia**, specific intervention program "Health" for the year 2010.
- **Project Manager:** "*Bacterial Drug Resistance: design and rational design, synthesis and pharmacological evaluation of compounds with heterocyclic structure*," Granted by University of Bari (2009)
- **Partners of the project** "*Enhancement of the health qualities of the grape berry small Trojan for the production of nutritional supplements*" **PUGLIA Operational Programme 2007-2013** AXIS I Line 1.1 Investment aid in research for SMEs.
- **Partner of the project** "**PERFORM TECH – PUGLIA EMERGING FOOD TECHNOLOGY** "Cluster Tecnologici Regionali" **PUGLIA Operational Programme** (ongoing)
- **Partner of the project** "*Expired drugs and environment: development of analytical methods of isolation, purification and recovery of active principles from expired drugs, as a strategy for reducing the environmental impact of toxic and hazardous waste. Application of predictive QSAR models in REACH-evaluation of the environmental toxicity of drugs of mass consumption and their main metabolites*". **Puglia Region** funded 2013
- **Partner of the project** **COMPETITIVE** "*Claims of Olive oil to iMProVE The market ValuE of the product.*" Ager PROJECT – Second Edition Funded by Network of Foundations for research in agrifood field (ongoing)
- **Partner of the project** "*Riluzole, lubeluzole and benzothiazolamine derivatives as new potent antimyotonic drugs*" **Funded by Fondazione ONLUS AFM-T  l  thon, grant number 19027 (2015)**

PAPERS (2010-2016)

1. **Filomena Corbo**, Alessia Carocci, Domenico Armenise, Nicolino De Laurentis, Antonio Laghezza, Fulvio Loiodice, Patrizia Ancona, Marilena Muraglia, Vincenzo Pagliarulo, Carlo Franchini, And Alessia Catalano Antiproliferative Activity Evaluation of a Series of N-1,3-Benzothiazol-2-ylbenzamides as Novel Apoptosis Inducers, **JOURNAL OF CHEMISTRY (2016)**, Article ID 4267564
2. Maria Lisa Clodoveo, Tiziana Di Palmo, Pasquale Crupi, Viviana Durante, Vito Pesce, Isabella Maiellaro, Angelo Lovece, Annalisa Mercurio, Antonio Laghezza, **Filomena Corbo**, Carlo Franchini Comparison between different flavored olive oil production techniques: healthy value and process efficiency (Published Online Febbraio 2016) **PLANT FOODS FOR HUMAN NUTRITION** DOI 10.1007/s11130-016-0528-7
3. A. Rosato,A.Catalano,A.Carocci; A.Carrieri, A.Carone; G.Caggiano, C.Franchini; F.Corbo, M.T.Montagna In vitro interactions between Anidulafungin and nonsteroidal anti-inflammatory drugs on biofilms of Candida spp. **BIOORGANIC & MEDICINAL CHEMISTRY Vol 24 (5) p.1002-1005 (2016)**
4. Rosa Calvello, Antonella Aresta, Adriana Trapani, Carlo Zambonin, Antonia Cianciulli, Rosaria Salvatore, Maria Lisa Clodoveo, **Filomena Corbo**, Carlo Franchini, Maria Antonietta Panaro Bovine and soybean milk bioactive compounds: effects on inflammatory response of human intestinal Caco-2 cells **FOOD CHEMISTRY** Vol.210 pag. 276–285 (2016)
5. **Filomena Corbo**, Brigida Immacolata Pia Schiavone, Pietro Scicchitano, Carlo Franchini, Marco Matteo Ciccone Apixaban: pharmacodynamics, pharmacokinetics and pharmacoeconomics **CURRENT DRUG TARGETS (in press)**

6. Maria Lisa Clodoveo, Tiziana Dipalmo, Pasquale Crupi, Bernardo De Gennaro, **Filomena Corbo**, Constantin Apetrei- Bioactive Compounds from olive oils “ into the **EBOOK "BIOACTIVE COMPOUNDS: NATURAL SOURCES, PHYSICOCHEMICAL CHARACTERIZATION, APPLICATIONS"**. This eBook is part of a series titled "**Frontiers in Bioactive Compounds**" (in press)
7. A Trapani, N.De Laurentis,D.Armenise, A.Carrieri,l. Defrenza, A.Rosato, D.Mandracchia, G.Tripodo,A.Salomone,V.Capriati,C.Franchini, **F.Corbo (2016)** Enhanced solubility and antibacterial activity of lipophilic fluoro-substituted N-benzoyl-2-aminobenzothiazoles by complexation with b-cyclodextrins **INTERNATIONAL JOURNAL OF PHARMACEUTIC** n° 497, pag. 18-22.
8. G.Fracchiolla, M.Di Vito, A. Tamburro, M. Ballardini, S.Maiorano, G.Testa, F.Padula, L.Agatensi; R.R.Giorlandino, P.Mattarelli, M.Modesto, G.G.Carbonara; R.Bellone De Grecis, **F.Corbo**; F.Mondello (2015). First preliminary in vivo determination of the efficacy and safety profile of a combination therapy based on probiotics and Tea Tree oil in vaginal mycosis **NATURAL 1** n°147 pag 62
9. G.Fracchiolla, M.Di Vito, A. Tamburro, M. Ballardini, S.Maiorano, G.Testa, F.Padula, L.Agatensi; R.R.Giorlandino, P.Mattarelli, M.Modesto, G.G.Carbonara; R.Bellone De Grecis, **F.Corbo**; F.Mondello (2015) Studio preliminare in vivo su efficacia e sicurezza di una terapia combinata a base di probiotici e tea tree oil nelle micosi vaginali. **Piante Medicinali** vol14(3) pag 37-38 ISSN 1825-5086 **TMA** (TECNICHE MEDICHE ASSOCIATE) ISSN 2421-0366
10. Vacca Angelo, **Corbo Filomena**, De Marinis Annamaria (2015) The Human Capacity Building And The Environmental Sustainability In Higher Education Green University: University Of Bari As An Example **MakeLearn 2015: Managing Intellectual Capital and Innovation for Sustainable and Inclusive Society** Proceedings of the MakeLearn and TIIM Joint International Conference ISBN 978-961-6914-13-pag 2231
11. Carlo Franchini, Alessia Carocci, Alessia Catalano & **Filomena Corbo** Fluorinated Organofluorine-containing anti-infective agent in **PHARMACEUTICALS: ADVANCES IN MEDICINAL CHEMISTRY** July (2015), Pages 44-57 Doi: 10.4155/fseb2013.14.173
12. **Corbo F**, Rosato A (2015). Oli essenziali: interazioni con farmaci in vitro e in vivo. In: Oli essenziali per la salute dell'uomo e la salvaguardia dell'ambiente. **RAPPORTI ISTISAN**, vol. 15/6, p. 23-26, ISSN: 1123-3117
13. M. Roselli, A. Lovece, C. Bruno, M. M. Cavalluzzi, A. Laghezza, A. Mercurio, G. Lentini, **F. Corbo**, F. La Forgia, S. Fontana, S. Habtemariam, C. Franchini. Antioxidant Activity of Uva di Troia Canosina: Comparison of Two Extraction Methods **CLINICAL IMMUNOLOGY, ENDOCRINE & METABOLIC DRUGS**, Volume 2 (*E-pub ahead of print*) (2015)
14. Defrenza I, Catalano A, Carocci A, Carrieri A, Muraglia M, Rosato, **Corbo F**, Franchini C. (2015) 1,3-Benzothiazoles as Antimicrobial Agents. **JOURNAL OF HETEROCYCLIC CHEMISTRY**. 52(6)pp1705-1712
15. Muraglia M, De Bellis M, Catalano A, Carocci A, Franchini C, Carrieri A, Fortugno C, Bertucci C, Desaphy J-F, De Luca A, Conte Camerino D, **Corbo F (2014)**. N-Aryl-2,6-dimethylbenzamides, a New Generation of Tocainide Analogues as Blockers of Skeletal Muscle Voltage-Gated Sodium Channels. **JOURNAL OF MEDICINAL CHEMISTRY**, vol. 57, p. 2589-2600.
16. Ciccone Mm, Cortese F, **Corbo F**, Corrales Ne, Al-Momen Ak, Silva A, Zito A, Pinto M, Gesualdo M, Scicchitano P.(2014) Bemiparin, an effective and safe low molecular weight heparin: A review. **VASCULAR PHARMACOLOGY**, vol. 62, p. 32-37, ISSN: 1537-1891.
17. Giovine A, Muraglia M, Florio Ma, Rosato A, **Corbo F**, Franchini C, Musio B, Degennaro L, Luisi R (2014). Synthesis of Functionalized Arylaziridines as Potential Antimicrobial Agents. **MOLECULES**, vol. 19, p. 11505-11519.
18. Schiavone Bip, Verotta L, Rosato A, Muraglia M, Gibbons S, Bombardelli E, Franchini C, **Corbo F. (2013)** Anticancer and Antibacterial Activity of Hyperforin and its Derivatives. **CURRENT MEDICINAL CHEMISTRY** -

19. Pistolozzi M, Fortugno C, Franchini C, Corbo F, Muraglia M, Roy M, Felix G, Bertucci C. (2014) Species-dependent binding of tocinide analogues to albumin: Affinity chromatography and circular dichroism study. **JOURNAL OF CHROMATOGRAPHY B: Analytical Technologies in the Biomedical and Life Sciences** vol. 66, p. 701-704, ISSN: 1570-0232
20. Catalano A, Carocci A, Defrenza I, Muraglia M, Carrieri A, Van Bambeke F, Rosato A, **Corbo F**, Franchini C (2013). 2-Aminobenzothiazole derivatives: Search for new antifungal agents. **EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY**, vol. 64, p. 357-364.
21. Rosato A, Piarulli M, Schiavone Bp, Catalano A, Carocci A, Carrieri A, Carone A, Caggiano G, Franchini C, **Corbo F**, Montagna Mt. (2013). In vitro effectiveness of Anidulafungin against Candida sp. biofilms. **JOURNAL OF ANTIBIOTICS**, vol. 66, p. 701-704.
22. Armenise D, Carocci A, Catalano A, Muraglia M, Defrenza I, De Laurentis N, Rosato A, **Corbo F**, Franchini C. (2013). Synthesis and Antimicrobial Evaluation of a New Series of N-1,3-Benzothiazol-2-ylbenzamide. **JOURNAL OF CHEMISTRY**, ID 181758.
23. Schiavone Bip, Rosato A, Muraglia M, Gibbons S, Bombardelli E, Verotta L, Franchini C, **Corbo F** (2013). Biological Evaluation of Hyperforin and Its Hydrogenated Analogue on Bacterial Growth and Biofilm Production. **JOURNAL OF NATURAL PRODUCTS**, vol. 76, p. 1819-1823.
24. De Luca A, De Bellis M, **Corbo F**, Franchini C, Muraglia M, Catalano A, Carocci A, Conte Camerino D (2012). Searching for novel anti-myotonic agents: Pharmacophore requirement for use-dependent block of skeletal muscle sodium channels by N-benzylated cyclic derivatives of tocinide. **NEUROMUSCULAR DISORDERS**, vol. 22, p. 56-65.
25. Armenise D, Muraglia M, Florio Ma, De Laurentis N, Rosato A, Carrieri A, **Corbo F**, Franchini C (2012). 4H-1,4-benzothiazine, dihydro-1,4-benzothiazones and 2-amino-5-fluorobenzenethiol derivatives: design, synthesis and in vitro. **ARCHIV DER PHARMAZIE**, vol. 345, p. 407-416.
26. Rosato A, Piarulli M, Schiavone BIP, Montagna Mt, Caggiano G, Muraglia M, Carone A, Franchini C, **Corbo F** (2012). In vitro synergy testing of anidulafungin with fluconazole, tioconazole, 5-flucytosine and amphotericin B against some Candida spp. **MEDICINAL CHEMISTRY**, vol. 8, p. 690-698.
27. De Giorgi M, Voisin-Chiret A.S, Sopková-De Oliveira S. J, **Corbo F**, Franchini C, Rault S (2011). Design and synthesis of thienylpyridyl garlands as non-peptidic alpha helix mimetics and potential protein-protein interactions disruptors. **TETRAHEDRON**, vol. 67, p. 6145-6154.
28. Carocci A, Lentini G, Catalano A, Cavalluzzi Mm, Bruno C, Muraglia M, Colabufo Na, Galeotti N, **Corbo F**, Matucci R, Ghelardini C, Franchini C (2010). Chiral aryloxyalkylamines: selective 5-HT1B/1D activation and analgesic activity. **CHEMMEDCHEM**, vol. 5, p. 696-704.
29. A. Rosato, M.Piarulli, **Corbo F**, M. Muraglia, D. Carone, M.E.Vitali, C. Vitali (2010) . *In vitro synergistic action of certain combinations of Gentamicin and essential oils*. **CURRENT MEDICINAL CHEMISTRY** vol. 1,p. 3289-3295,
30. Ghelardini C, Desaphy Jf, Muraglia M, **Corbo F**, Matucci R, Di Palma A, Bertucci C, Pistolozzi M, Nesi M, Norcini M, Franchini C, Conte Camerino D (2010). Effects of a new potent analog of tocinide on hNav1.7 sodium channels and in vivo neuropathic pain models. **NEUROSCIENCE**, vol. 169, p. 863-873.
31. Voisin-Chiret A.S, Muraglia M, Burzicki G, Perato S, **Corbo F**, Sopkova-De Oliveira Santos J, Franchini C, Rault S (2010). Synthesis of new phenylpyridyl scaffolds using the Garlanding approach. **TETRAHEDRON**, vol. 66, p. 8000-8005.
32. Pistolozzi M, Franchini C, **Corbo F**, Muraglia M, De Giorgi M, Felix G, Bertucci C (2010). Tocainide analogues

binding to human serum albumin: a HPLAC and circular dichroism study. **JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS**, vol. 53, p. 179-185.

33. **Patent** Scilimati A, Franchini C, Lentini G, **Corbo F.**, Tortorella V, Conte Camerino D, And De Luca A, Patent number mi2001a 000085: Derivati am-midici della beta-prolina, procedimento per la loro preparazione e loro impiego nelle sindromimiotoniche genetiche o acquisite, **2001**

PAPERS (2009-1992)

1. Carrieri Antonio, Muraglia Marilena, **Corbo F**, Pacifico Concetta (2009). 2d-And 3d-Qsar Of Tocainide And Mexiletine Analogues As Nav1.4 Channel Blockers. *European Journal Of Medicinal Chemistry*, Vol. 44, P. 1477-1485, Issn: 0223-5234
2. De Bellis M, De Luca A, Lentini G, Carocci A, **Corbo F**, Franchini C, Conte Camerino D (2009). Newly Synthesized Mexiletine And Tocainide Analogues Are Potent Use-Dependent Blockers Muscle Sodium Channels: Potential Implication For The Antimyotonic Activity. *Neuromuscular Disorders*, Vol. 19, P. 543-660, Issn: 0960-8966
3. Franchini C, Muraglia M, **Corbo F**, Florio M. A, Di Mola A, Rosato A, Matucci R, Nesi M, Van Bambeke F, Vitali C (2009). Synthesis And Biological Evaluation Of 2-Mercapto-1,3-Benzothiazole Derivatives With Potential Antimicrobial Activity. *Archiv Der Pharmazie*, Vol. 342, P. 605-613, Issn: 1521-4184
4. A.Catalano, A.Carocci, **Corbo F**, C.Franchini, M.Muraglia, A.Scilimati, M.De Bellis, A.De Luca, D.Conte Camerino, M.S.Sinicropi, V.Tortorella (2008). Constrained Analogues Of Tocainide As Potent Skeletal Muscle Sodium Channel Blockers Towards The Development Of Antimyotonic Agents. *European Journal Of Medicinal Chemistry*, Vol. 43, P. 2535-2540, Issn: 0223-5234
5. **Corbo F**, Franchini C, Lentini G, Muraglia M, Ghelardini C, Matucci R, Galeotti, N. Vivoli E, Tortorella V (2007). Synthesis And Biological Evaluation Of Chiral Alfa-Aminoanilides With Central Antinociceptive Activity. *Journal Of Medicinal Chemistry*, Vol. 50, P. 1907-1915, Issn: 0022-2623
6. Maria Maddalena Cavalluzzi, Alessia Catalano, Claudio Bruno, Angelo Lovece, Alessia Carocci, **Corbo F**, Carlo Franchini, Giovanni Lentini, Vincenzo Tortorella (2007). Synthesis Of (R), (S), And (Rs)-Hydroxymethylmexiletine, One Of The Major Metabolites Of Mexiletine. *Tetrahedron-Asymmetry*, Vol. 18, P. 2409-2417, Issn: 0957-4166
7. Muraglia M, Franchini C, **Corbo F**, Scilimati A, Sinicropi M.S, De Luca A, De Bellis M, Conte Camerino D, Tortorella V (2007). Synthesis Of Beta Proline Like Derivatives And Their Evaluation As Sodium Channel Blockers. *Journal Of Heterocyclic Chemistry*, Vol. 44, Issn: 0022-152x
8. C.Bruno, A.Carocci, A.Catalano, M.M.Cavalluzzi, **Corbo F**, C.Franchini, G.Lentini, V.Tortorella (2006). Facile, Alternative Route To Lubeluzole, Its Enantiomer And Racemate. *Chirality*, Vol. 18, P. 227-231, Issn: 0899-0042
9. Franchini C, Carocci A, Catalano A, Cavalluzzi M.M, **Corbo F**, Lentini G, Scilimati A, Tortorella P, Conte Camerino D, De Luca A (2005). Optically Active Mexiletine Analogues As Stereoselective Blockers Of Voltage-Gated Na⁺ Channels. *Journal Of Medicinal Chemistry*, Vol. 48, P. 3094, Issn: 0022-2623
10. A.De Luca, S.Pierno, A.Liantonio, J-F Desaphy, F.Natuzzi, M.P.Didonna, E.Ferrarini, H.Jockusch, C.Franchini, G.Lentini, **Corbo F**, V.Tortorella, Corbo F. (2004). New Potent Mexiletine And Tocainide Analogues Evaluated In Vivo And In Vitro As Antimyotonic Agents On The Myotonic ADR Mouse. *Neuromuscular Disorders*, Vol. 14, P. 405-416, Issn: 0960-8966
11. Lamanna Claudia, Sinicropi Maria Stefania, Pietrangeli Paola, **Corbo F**, Franchini Carlo, Mondovì Bruno, Perrone Maria Grazia, Scilimati Antonio (2004). Synthesis And Biological Evaluation Of 3-Alkyloxazolidin-2-Ones As Reversible Mao Inhibitors. *Arkivoc*, P. 118-130, Issn: 1551-7004
12. A.De Luca, S.Talon, M.De Bellis, J-F Desaphy, C.Franchini, G.Lentini, A. Catalano, **Corbo F**, V.Tortorella, D.

- Conte Camerino (2003). Inhibition Of Skeletal Muscle Sodium Currents By Mexiletine Analogues: Specific Hydrophobic Interactions Rather Than Lipophilia Per Se Account For Drug Therapeutic Profile. *Naunyn-Schmiedeberg's Archives Of Pharmacology*, Vol. 367(3), P. 318-327, Issn: 0028-1298
13. A.Catalano, **Corbo F**, C.Franchini, M.Muraglia, A.Scilimati, R.Todaro, V.Tortorella (2003). N-(2,6-Xylil) Piperazine And Piperidine Carboxamides As New Antimyotonic Agents. *La Chimica E L'industria*, Vol. 85, P. 7-8, Issn: 0009-4315
 14. C.Franchini, A.Carocci, A.Catalano, Mm Cavalluzzi, **Corbo F**, G.Lentini, A.Scilimati, P.Tortorella, D:Conte Camerino, A De Luca (2003). Optically Active Mexiletine Analogues As Stereoselective Blockers Of Voltage-Gated Na⁺ Channels. *Journal Of Medicinal Chemistry*, Vol. 46, P. 5238-5248, Issn: 0022-2623
 15. Muraglia M, Catalano A, **Corbo F**, Franchini C, Scilimati A, Tortorella V, De Luca A, Conte Camerino D (2003). Structure-Activity Relationships In Tocainide Analogues. *La Chimica E L'industria*, Vol. 85, P. 7, Issn: 0009-4315
 16. A.De Luca, S.Talon, M.De Bellis, J-F Desaphy, G.Lentini, **Corbo F**, A.Scilimati, C.Franchini, V.Tortorella, D.Conte Camerino (2003). Optimal Requirements For High Affinity And Use-Dependent Block Of Skeletal Muscle Sodium Channel By N-Benzyl Analogs Of Tocainide-Like Compounds. *Molecular Pharmacology*, Vol. 64(4), P. 932-945, Issn: 0026-895x
 17. A.Carocci, A.Catalano, Mmcavalluzzi, D.Conte Camerino, **Corbo F**, A.De Luca, C.Franchini, G.Lentini, V.Tortorella (2002). Mexiletine Analogues As Potent Skeletal Muscle Sodium Channel Blockers: Hypotheses On The Interaction At The Main Binding Sites. *Drugs Of The Future*, Vol. 27 (Suppl A), P. 233, Issn: 0377-8282
 18. S.Talon, A.De Luca, M.De Bellis, J.F. Desaphy, G.Lentini, A. Scilimati, **Corbo F**, C.Franchini, V. Tortorella, D. Conte-Camerino (2001). A New Benzylated Proline-Like Tocainide Derivative Is A Potent Use Dependent Skeletal Muscle Na⁺ Channel Blocker With A Potential Antimyotonic Activity. *Neuromuscular Disorders*, Vol. 11, Issn: 0960-8966
 19. S.Talon, A.De Luca, M.De Bellis, J.F.Desaphy, G.Lentini, A.Scilimati, **Corbo F**, C.Franchini, P.Tortorella, H.Jockusch, D.Conte Camerino (2001). Increased Rigidity Of The Chiral Centre Of Tocainide Favours Stereoselectivity And Use-Dependent Block Of Skeletal Muscle Na⁺ Channels Enhancing The Antimyotonic Activity In Vivo. *British Journal Of Pharmacology*, Vol. 134, P. 1523-1531, Issn: 0007-1188
 20. J-F Desaphy, A.Deluca, S.Pierno, C.Franchini, G.Lentini, **Corbo F**, V.Tortorella, A.L.George, D.Conte Camerino (2001). Mexiletine Preferentially Blocks Myotonic Mutant Na Channels In The M2 Gating Mode. *Biophysical Journal*, Vol. 80, P. 229a, Issn: 0006-3495
 21. Talon S, De Bellis M, Liantonio A, Scilimati A, **Corbo F**, Franchini C, Tortorella V, Conte Camerino D, De Luca A (2001). Potent And Stereoselective Use-Dependent Block Muscle Na⁺ Channels By A New Proline-Like Tocainide Derivative. *Biophysical Journal*, Vol. 80, Issn: 0006-3495
 22. Carocci.A., Catalano A., **Corbo F**, Duranti A., Franchini C., Lentini G., Tortorella V. (2000). Stereospecific Synthesis Of Mexiletine And Related Compounds: Mitsunobu Versus Williamson Condensation Reaction. *Tetrahedron-Asymmetry*, Vol. 11, P. 3619-3634, Issn: 0957-4166
 23. C.Franchini, **Corbo F**, G.Lentini, G.Bruno, A.Scilimati, V.Tortorella, D.Conte Camerino, A.De Luca (2000). Synthesis Of New 2,6-Prolylxylidide Analogues Of Tocainide As Stereoselective Blockers Of Voltage Gated Na⁺ Channel With Increased Potency And Improved Use-Dependent Activity. *Journal Of Medicinal Chemistry*, Vol. 43, P. 3792-3798, Issn: 0022-2623
 24. C.Franchini, C.Cellucci, **Corbo F**, G.Lentini, A.Scilimati, V.Tortorella, F.Stasi (1994). Stereospecific Synthesis And Absolute Configuration Of Mexiletine. *Chirality*, Vol. 6, P. 590-595, Issn: 0899-0042
 25. C.Franchini, F.Chiaia Noya, **Corbo F**, G.Lentini, V.Tortorella, A.Bartolini, C.Ghelardini, R.Matucci, A.Giotti (1993). Stereoselectivity In Central Analgesic Action Of Tocainide And Its Analogs. *Chirality*, Vol. 5, P. 135-142,

Issn: 0899-0042

26. A.Bartolini, **Corbo F**, C.Franchini, C.Ghelardini, A.Giotti, G.Lentini, R.Matucci, V.Tortorella (1992). Pharmacological Differences Between R(-) And S(+) Tocainide. *Pharmacological Research*, Vol. 26 Supplement 1, P. 91, Issn: 1043-6618