

Prof. Carlo FRANCHINI

Pubblicazioni scientifiche:

- 1) Milani, G., Cavalluzzi, M.M., Altamura, C., Santoro, A., Perrone, M., Muraglia, M., Colabufo, N.A., Corbo, F., Casalino, E., **Franchini, C.**, Pisano, I., Desaphy, J.-F., Carrieri, A., Carocci, A., Lentini, G. *Bioisosteric Modification of To042: Synthesis and Evaluation of Promising Use-Dependent Inhibitors of Voltage-Gated Sodium Channels* (2021) **ChemMedChem**, 16 (23), pp. 3588-3599.
- 2) Catalano, A., Rosato, A., Salvagno, L., Iacopetta, D., Ceramella, J., Fracchiolla, G., Sinicropi, M.S., **Franchini, C.** *Benzothiazole-containing analogues of triclocarban with potent antibacterial activity* (2021) **Antibiotics**, 10 (7)
- 3) Barbarossa, A., Catalano, A., Ceramella, J., Carocci, A., Iacopetta, D., Rosano, C., **Franchini, C.**, Sinicropi, M.S. *Simple thalidomide analogs in melanoma: Synthesis and biological activity* (2021) **Applied Sciences** (Switzerland), 11 (13)
- 4) De Santis, S., Liso, M., Verna, G., Curci, F., Milani, G., Faienza, M.F., **Franchini, C.**, Moschetta, A., Chieppa, M., Clodoveo, M.L., Crupi, P., Corbo, F. *Extra virgin olive oil extracts modulate the inflammatory ability of murine dendritic cells based on their polyphenols pattern: Correlation between chemical composition and biological function* (2021) **Antioxidants**, 10 (7)
- 5) Milani, G., Cavalluzzi, M.M., Solidoro, R., Salvagno, L., Quintieri, L., Di Somma, A., Rosato, A., Corbo, F., **Franchini, C.**, Duilio, A., Caputo, L., Habtemariam, S., Lentini, G. *Molecular simplification of natural products: Synthesis, antibacterial activity, and molecular docking studies of berberine open models* (2021) **Biomedicines**, 9 (5)
- 6) Mallamaci, R., Budriesi, R., Clodoveo, M.L., Biotti, G., Micucci, M., Ragusa, A., Curci, F., Muraglia, M., Corbo, F., **Franchini, C.** *Olive tree in circular economy as a source of secondary metabolites active for human and animal health beyond oxidative stress and inflammation* (2021) **Molecules**, 26 (4)
- 7) Carocci, A., Roselli, M., Budriesi, R., Micucci, M., Desaphy, J.-F., Altamura, C., Cavalluzzi, M.M., Toma, M., Passeri, G.I., Milani, G., Lovece, A., Catalano, A., Bruno, C., De Palma, A., Corbo, F., **Franchini, C.**, Habtemariam, S., Lentini, G. *Synthesis and Evaluation of Voltage-Gated Sodium Channel Blocking Pyrrolidine Derivatives Endowed with Both Antiarrhythmic and Antioxidant Activities* (2021) **ChemMedChem**, 16 (3), pp. 578-588
- 8) Iacopetta, D., Ceramella, J., Catalano, A., Saturnino, C., Bonomo, M.G., **Franchini, C.**, Sinicropi, M.S. *Schiff bases: Interesting scaffolds with promising antitumoral properties* (2021) **Applied Sciences** (Switzerland), 11 (4), art. no. 1877, pp. 1-20.
- 9) Catalano, A., Iacopetta, D., Rosato, A., Salvagno, L., Ceramella, J., Longo, F., Sinicropi, M.S., **Franchini, C.** *Searching for small molecules as antibacterials: Non-cytotoxic diarylureas analogues of triclocarban* (2021) **Antibiotics**, 10 (2), art. no. 204, pp. 1-13.
- 10) Curci, F., Cavalluzzi, M.M., Milani, G., Clodoveo, M.L., Radojčić Redovniković, I., Cellamare, S., **Franchini, C.**, Mandracchia, D., Corbo, F. *Phyllostachys Pubescens: From Traditional to Functional Food: Phyllostachys pubescens as functional food* (2021) **Food Reviews International** p. 1-25.
- 11) Catalano, A., **Franchini, C.**, Carocci, A. *Voltage-gated sodium channel blockers: Synthesis of mexiletine analogues and homologues* (2021) **Current Medicinal Chemistry**, 28 (8), pp. 1535-1548

- 12) Catalano, A., Iacopetta, D., Pellegrino, M., Aquaro, S., **Franchini, C.**, Sinicropi, M.S. *Diarylureas: Repositioning from antitumor to antimicrobials or multi-target agents against new pandemics* (2021) **Antibiotics**, 10 (1), art. no. 92, pp. 1-25.
- 13) Catalano, A., Iacopetta, D., Sinicropi, M.S., **Franchini, C.** *Diarylureas as antitumor agents* (2021) **Applied Sciences** (Switzerland), 11 (1), art. no. 374, pp. 1-17
- 14) De Santis, S., Clodoveo, M.L., Cariello, M., D'Amato, G., **Franchini, C.**, Faienza, M.F., Corbo, F. *Polyphenols and obesity prevention: critical insights on molecular regulation, bioavailability and dose in preclinical and clinical settings* (2021) **Critical Reviews in Food Science and Nutrition**, 61 (11), pp. 1804-1826.
- 15) Iacopetta, D., Catalano, A., Ceramella, J., Barbarossa, A., Carocci, A., Fazio, A., La Torre, C., Caruso, A., Ponassi, M., Rosano, C., **Franchini, C.**, Sinicropi, M.S. *Synthesis, anticancer and antioxidant properties of new indole and pyranoindole derivatives* (2020) **Bioorganic Chemistry**, 105, 104440
- 16) Milani, G., Vian, M., Cavalluzzi, M.M., **Franchini, C.**, Corbo, F., Lentini, G., Chemat, F. *Ultrasound and deep eutectic solvents: An efficient combination to tune the mechanism of steviol* (2020) **Ultrasonics Sonochemistry**, 69, 105255
- 17) Caruso A., Barbarossa A., Tassone A., Ceramella J., Carocci A., Catalano A., Basile G., Fazio A., Iacopetta D., **Franchini C.**, Sinicropi M. S. (2020). *Pomegranate: Nutraceutical with promising benefits on human health*. **Applied Sciences**, vol. 10 (19), p. 1-34
- 18) Lammi, C., Mulinacci, N., Cecchi, L., Bellumori, M., Bollati, C., Bartolomei, M., **Franchini, C.**, Clodoveo, M.L., Corbo, F., Arnoldi, A. *Virgin olive oil extracts reduce oxidative stress and modulate cholesterol metabolism: Comparison between oils obtained with traditional and innovative processes* (2020) **Antioxidants**, 9 (9), pp. 1-17.
- 19) Aresta, A., Milani, G., Clodoveo, M.L., **Franchini, C.**, Cotugno, P., Redovnikovic, I.R., Quinto, M., Corbo, F., Zambonin, C. *Development, optimization, and comparison of different sample pre-treatments for simultaneous determination of vitamin E and vitamin K in vegetables* (2020) **Molecules**, 25 (11), 2509
- 20) Faienza, M. F., Corbo, F., Carocci, A., Catalano, A., Clodoveo, M. L., Grano, M., Wang, D. Q. -H., D'Amato, G., Muraglia, M., **Franchini, C.**, Brunetti, G., Portincasa, P. (2020). *Novel insights in health-promoting properties of sweet cherries*. **Journal of Functional Foods**, vol. 69, 103945
- 21) G. Milani, F. Curci, M. M. Cavalluzzi, P. Crupi, I. Pisano, G. Lentini, M. L. Clodoveo, **C. Franchini**, F. Corbo (2020). *Optimization of Microwave-Assisted Extraction of Antioxidants from Bamboo Shoots of Phyllostachys pubescens*. **Molecules**, vol. 25, p. 1-11,
- 22) Cavalluzzi M. M., Budriesi R., De Salvia M. A., Quintieri L., Piarulli M., Milani G., Gualdani R., Micucci M., Corazza I., Rosato A., Viale M., Caputo L., **Franchini C.**, Lentini G. (2020). *Lubeluzole: from anti-ischemic drug to preclinical antidiarrheal studies*. **Pharmacological Reports**, vol. 73, p. 172-184-184
- 23) Corbo, F., Brunetti, G., Crupi, P., Bortolotti, S., Storlino, G., Piacente, L., Carocci, A., Catalano, A., Milani, G., Colaianni, G., Colucci, S., Grano, M., **Franchini, C.**, Clodoveo, M. L., D'Amato, G., Faienza, M. F. (2019). *Effects of sweet cherry polyphenols on enhanced osteoclastogenesis associated with childhood obesity*. **Frontiers in Immunology**, vol. 10, p. 1-11
- 24) Mercurio A., Sharples L., Corbo F., **Franchini C.**, Vacca A., Catalano A., Carocci A., Kamm R. D., Pavesi A., Adriani G. (2019). *Phthalimide Derivative Shows Anti-angiogenic Activity in a 3D Microfluidic Model and No Teratogenicity in Zebrafish Embryos*. **Frontiers in Pharmacology**, vol. 10, p. 1-12

- 25) A. Trapani, A. Catalano, A. Carocci, A. Carrieri, A. Mercurio, A. Rosato, D. Mandracchia, G. Tripodo, B. I. P. Schiavone, **C. Franchini**, E. Mesto, E. Schingaro, F. Corbo (2019). *Effect of Methyl - β - Cyclodextrin on the antimicrobial activity of a new series of poorly water-soluble benzothiazoles*. **Carbohydrate Polymers**, vol. 207, p. 720-728
- 26) N. A. Ivanova, A. Trapani, C. Di Franco, D. Mandracchia, G. Trapani, **C. Franchini**, F. Corbo, G. Tripodo, I. N. Kolev, G.S. Stoyanov, K. Z. Bratoeva (2019). *In vitro and ex vivo studies on Diltiazem hydrochloride-loaded microsponges in rectal gels for chronic anal fissures treatment*. **International Journal of Pharmaceutics**, vol. 557, p. 53-65
- 27) Rosato, A., Carocci, A., Catalano, A., Clodoveo, M. L., **Franchini, C.**, Corbo, F., Carbonara, G. G., Carrieri, A., Fracchiolla, G. (2018). *Elucidation of the synergistic action of Mentha Piperita essential oil with common antimicrobials*. **PLOS ONE**, vol. 13, p. 1-13.
- 28) A. Rosato, F. Maggi, K. Cianfaglione, F. Conti, G. Ciaschetti, R. Rakotosaona, G. Fracchiolla, M. L. Clodoveo, **C. Franchini**, F. Corbo (2018). *Chemical composition and antibacterial activity of seven uncommon essential oils*. **Journal of Essential Oil Research**, vol. 30, p. 233-243
- 29) Carocci, A., Corbo, F., Lentini, G., Cavalluzzi, M.M., **Franchini, C.**, Catalano, A. *A focus on the synthesis and pharmacokinetics of tocainide and its analogues* (2018) **Current Medicinal Chemistry**, 25 (42), pp. 5822-5834.
- 30) Cortese, F., Scicchitano, P., Gesualdo, M., Ricci, G., Carbonara, S., **Franchini, C.**, Schiavone, B.I.P., Corbo, F., Ciccone, M.M. *Apixaban: Effective and safe in preventing thromboembolic events in patients with atrial fibrillation and renal failure* (2017) **Current Medicinal Chemistry**, 24 (34), pp. 3813-3827.
- 31) Mercurio, A., Adriani, G., Catalano, A., Carocci, A., Rao, L., Lentini, G., Cavalluzzi, M. M., **Franchini, C.**, Vacca, A., Corbo, F. (2017). *A Mini-Review on Thalidomide: Chemistry, Mechanisms of Action, Therapeutic Potential and Anti-Angiogenic Properties in Multiple Myeloma*. **Current Medicinal Chemistry**, vol. 24, p. 2736-2744, ISSN: 0929-8673, doi: 10.2174/0929867324666170601074646
- 32) Degennaro, L., Zenzola, M., Laurino, A., Cavalluzzi, M. M., **Franchini C.**, Habtemariam, S., Matucci, R., Luisi, R., Lentini, G. (2017). *2-Arylazetidines as ligands for nicotinic acetylcholine receptors*. **Chemistry of Heterocyclic Compounds**, vol. 53, p. 329-334
- 33) De Bellis M., Carbonara R., Roussel J., Farinato A, Massari AM, Pierno S, Muraglia M, Corbo F, **Franchini C**, Carratù MR, De Luca A, Conte D, Desaphy J F, (2017). *Increased sodium channel use-dependent inhibition by a new potent analogue of tocainide greatly enhances in vivo antimyotonic activity*. **Neuropharmacology**, vol. 113, p. 206-216
- 34) Tavani, Cinzia, Bianchi, Lara, De Palma, Annalisa, Passeri, GI, Punzi G, Pierri C L, Lovece A, Cavalluzzi MD, **FRANCHINI, Carlo**, Lentini G, Petrillo G (2017). *Nitro-substituted tetrahydroindolizines and homologs: Design, kinetics, and mechanism of β -glucosidase inhibition*. **Bioorganic & Medicinal Chemistry Letters**, vol. 27, p. 3980-3986
- 35) ROSELLI, MARIAGRAZIA, CAVALLUZZI, MARIA MADDALENA, BRUNO, CLAUDIO, LOVECE, ANGELO, CAROCCI, ALESSIA, **FRANCHINI Carlo**, Habtemariam, Solomon, LENTINI, G (2016). *Synthesis and evaluation of berberine derivatives and analogs as potential antiacetylcholinesterase and antioxidant agents*. **PHYTOCHEMISTRY LETTERS**, vol. 18, p. 150-156.
- 36) CALVELLO, Rosa, ARESTA, Antonella Maria, TRAPANI, ADRIANA, ZAMBONIN, Carlo, CIANCIULLI, ANTONIA, SALVATORE, ROSARIA, CLODOVEO, MARIA LISA, CORBO, F. F. R., **FRANCHINI Carlo**, PANARO, Maria Antonietta (2016). *Bovine and soybean milk bioactive compounds: Effects on inflammatory response of human intestinal Caco-2 cells*. **FOOD CHEMISTRY**, vol. 210, p. 276-285

- 37) Roselli, Mariagrazia, Carocci, Alessia, Budriesi, Roberta, Micucci, Matteo, Toma, Maddalena, Di Cesare Mannelli, Lorenzo, Lovece, Angelo, Catalano, Alessia, Cavalluzzi, Maria Maddalena, Bruno, Claudio, De Palma, Annalisa, Contino, Marialessandra, Perrone, Maria Grazia, Colabufo, Nicola Antonio, Chiarini, Alberto, **Franchini, Carlo**, Ghelardini, Carla, Habtemariam, Solomon, Lentini, G (2016). *Synthesis, antiarrhythmic activity, and toxicological evaluation of mexiletine analogues*. **EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY**, vol. 121, p. 300-307.
- 38) Bruno, Claudio, Cavalluzzi, Maria Maddalena, Rusciano, Maria Rosaria, Lovece, Angelo, Carrieri, Antonio, Pracella, Riccardo, Giannuzzi, Giulia, Polimeno, Lorenzo, Viale, Maurizio, Illario, Maddalena, **Franchini, Carlo**, Lentini, G (2016). *The chemosensitizing agent lubeluzole binds calmodulin and inhibits Ca²⁺/calmodulin-dependent Kinase II*. **EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY**, vol. 116, p. 36-45
- 39) CLODOVEO, MARIA LISA, DIPALMO, TIZIANA, CRUPI, PASQUALE, DURANTE, VIVIANA, PESCE, VITO, Maiellaro, Isabella, LOVECE, ANGELO, MERCURIO, ANNALISA, LAGHEZZA, ANTONIO, CORBO, Filomena Faustina Rina, **FRANCHINI Carlo** (2016). *Comparison Between Different Flavored Olive Oil Production Techniques: Healthy Value and Process Efficiency*. **PLANT FOODS FOR HUMAN NUTRITION**, vol. 71, p. 81-87
- 40) Rosato, Antonio, Catalano, Alessia, Carocci, Alessia, Carrieri, Antonio, Carone Addolorata, Caggiano Giuseppina, **Franchini Carlo**, Corbo, Filomena, Montagna, Maria Teresa (2016). *In vitro interactions between anidulafungin and nonsteroidal anti-inflammatory drugs on biofilms of Candida spp.* **BIOORGANIC & MEDICINAL CHEMISTRY**, vol. 24, p. 1002-1005
- 41) TRAPANI, ADRIANA, DE LAURENTIS, Nicolino, ARMENISE, D., CARRIERI, Antonio, DEFRENZA, I., ROSATO, Antonio, MANDRACCHIA, DELIA, TRIPODO, G., SALOMONE, A., CAPRIATI, Vito, **Franchini Carlo**, CORBO, Filomena Faustina Rina (2016). *Enhanced solubility and antibacterial activity of lipophilic fluoro-substituted N-benzoyl-2-aminobenzothiazoles by complexation with beta-cyclodextrins*. **INTERNATIONAL JOURNAL OF PHARMACEUTICS**, vol. 497, p. 18-22
- 42) CAROCCI, ALESSIA, CATALANO, ALESSIA, Turi, Francesco, LOVECE, ANGELO, CAVALLUZZI, MARIA MADDALENA, BRUNO, CLAUDIO, COLABUFO, Nicola Antonio, CONTINO, MARIALESSANDRA, PERRONE, MARIA GRAZIA, **Franchini Carlo**, LENTINI, G (2016). *Stereoselective Modulation of P-Glycoprotein by Chiral Small Molecules*. **CHEMMEDCHEM**, vol. 11, p. 93-101
- 43) CORBO, Filomena Faustina Rina, CAROCCI, ALESSIA, ARMENISE, Domenico, DE LAURENTIS, Nicolino, LAGHEZZA, ANTONIO, LOIODICE, Fulvio, ANCONA, PATRIZIA, MURAGLIA, MARILENA, PAGLIARULO, VINCENZO, FRANCHINI, Carlo, CATALANO, ALESSIA (2016). *Antiproliferative activity evaluation of a series of N-1,3-benzothiazol-2-ylbenzamides as novel apoptosis inducers*. **JOURNAL OF CHEMISTRY**, vol. 2016, p. 1-5
- 44) ROSELLI, MARIAGRAZIA, LOVECE, ANGELO, BRUNO, CLAUDIO, CAVALLUZZI, MARIA MADDALENA, LAGHEZZA, ANTONIO, MERCURIO, ANNALISA, LENTINI, G, CORBO, Filomena Faustina Rina, Forgia, Flavia la, Fontana, Sergio, Habtemariam, Solomon, **Franchini, Carlo** (2015). *Antioxidant Activity of Uva di Troia Canosina: Comparison of Two Extraction Methods*. **CLINICAL IMMUNOLOGY, ENDOCRINE & METABOLIC DRUGS**, vol. 2, p. 8-12
- 45) DEFRENZA, IVANA, CATALANO, ALESSIA, CAROCCI, ALESSIA, CARRIERI, Antonio, MURAGLIA, MARILENA, ROSATO, Antonio, CORBO, Filomena Faustina Rina, FRANCHINI, Carlo (2015). *1, 3-Benzothiazoles as Antimicrobial Agents*. **JOURNAL OF HETEROCYCLIC CHEMISTRY**, vol. 52, p. 1705-1712
- 46) Franchini, C.F., Corbo, F.C., Catalano, A.C., Carocci, A.C. *Organo fluorine containing anti-infective*

agents (2015) **Fluorinated Pharmaceuticals: Advances in Medicinal Chemistry**, pp. 45-54.

- 47) Oreste, P., García-Rubiño, M.E., Franchini, C., Campos, J.M. Cancer stem cells: The new objective for the eradication of tumours (2015) **Horizons in Cancer Research**, 56, pp. 41-81.
- 48) CARBONARA, ROBERTA, CAROCCI, ALESSIA, Roussel, Julien, CRESCENZO, Giuseppe, BUONAVOGLIA, **Canio, FRANCHINI, Carlo**, LENTINI, G, CONTE, Diana, DESAPHY, Jean Francois (2015). *Inhibition of voltage-gated sodium channels by sumatriptan bioisosteres*. **FRONTIERS IN PHARMACOLOGY**, vol. 6, p. 1-10
- 49) CAVALLUZZI, MARIA MADDALENA, LOVECE, ANGELO, BRUNO, CLAUDIO, FRANCHINI, Carlo, LENTINI, G (2014). Preparation of (-)-(R)-2-(2,3,4,5,6-pentafluorophenoxy)-2-(phenyl-d5)acetic acid: an efficient ¹H NMR chiral solvating agent for direct enantiomeric purity evaluation of quinoline-containing antimalarial drugs. **TETRAHEDRON-ASYMMETRY**, vol. 25, p. 1605-1611, ISSN: 0957-4166, doi: 10.1016/j.tetasy.2014.11.007
- 50) Pistolozzi, Marco, Fortugno, Cecilia, FRANCHINI, Carlo, CORBO, Filomena Faustina Rina, Muraglia, Marilena, Roy, Myriam, Félix, Guy, Bertucci, Carlo (2014). Species-dependent binding of tocinide analogues to albumin: *Affinity chromatography and circular dichroism study*. **JOURNAL OF CHROMATOGRAPHY. B**, vol. 968, p. 69-78.
- 51) 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,
- 52) Schiavone, B.I.P., Verotta, L., Rosato, A., Marilena, M., Gibbons, S., Bombardelli, E., **Franchini, C.**, Corbo, F. *Anticancer and antibacterial activity of hyperforin and its derivatives* (2014) **Anti-Cancer Agents in Medicinal Chemistry**, 14 (10), pp. 1397-1401.
- 53) Giovine A., Muraglia M., Florio M. A., ROSATO, Antonio, CORBO, Filomena Faustina Rina, **FRANCHINI, Carlo**, Musio B., DEGENNARO, LEONARDO, LUISI, Renzo (2014). *Synthesis of functionalized arylaziridines as potential antimicrobial agents*. **MOLECULES**, vol. 19, p. 11505-11519
- 54) 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
- 55) Armenise D., CAROCCI, ALESSIA, CATALANO, ALESSIA, Muraglia M., Defrenza I., DE LAURENTIS, Nicolino, ROSATO, Antonio, CORBO, F., **FRANCHINI Carlo** (2013). *Synthesis and antimicrobial evaluation of a new series of N-1,3-benzothiazol-2-ylbenzamides*. **JOURNAL OF CHEMISTRY**, vol. 2013, p. 1-7
- 56) Schiavone B. P. I, ROSATO, Antonio, Muraglia M., Gibbons S, Bombardelli E., Verotta L., **FRANCHINI, Carlo**, CORBO, Filomena Faustina Rina (2013). *Biological evaluation of Hyperforin and its Hydrogenated analogue on bacterial growth and biofilm production*. **JOURNAL OF NATURAL PRODUCTS**, vol. 76, p. 1819-1823
- 57) CAVALLUZZI MM, VIALE M, BRUNO C, CAROCCI A, CATALANO A, CARRIERI A, **FRANCHINI C**, LENTINI G (2013). *A convenient synthesis of lubeluzole and its enantiomer: Evaluation as chemosensitizing agents on human ovarian adenocarcinoma and lung carcinoma cells*. **BIOORGANIC & MEDICINAL CHEMISTRY LETTERS**, vol. 23, p. 4820-4823

- 58) Zammit, E.J., Theuma, K.B., Darmanin, S., Muraglia, M., Camilleri-Podesta, M.T., Buhagiar, J.A., Calleja-Agius, J., Adami, M.Z., Micallef, M., **Franchini, C.**, Schembri-Wismayer, P. *Totarol content and cytotoxicity varies significantly in different types of propolis* (2013) **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 4 (3), pp. 1047-1058.
- 59) 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
- 60) CAROCCI A, CATALANO A, BRUNO C, LOVECE A, ROSELLI MG, CAVALLUZZI MM, DE SANTIS F, DE PALMA A, RUSCIANO MR, ILLARIO M, **FRANCHINI C**, LENTINI G. (2013). *N-(Phenoxyalkyl)amides as MT1 and MT2 ligands: Antioxidant properties and inhibition of Ca²⁺/CaM-dependent kinase II*. **BIOORGANIC & MEDICINAL CHEMISTRY**, vol. 21(4), p. 847-851
- 61) DESAPHY, Jean Francois, Carbonara R, Costanza T, LENTINI, G, CAVALLUZZI, MARIA MADDALENA, Bruno C, **FRANCHINI, Carlo**, CONTE, Diana (2013). *Molecular dissection of lubeluzole use-dependent block of voltage-gated sodium channels discloses new therapeutic potentials*. **MOLECULAR PHARMACOLOGY**, vol. 83, p. 406-415
- 62) DE BELLIS M, DE LUCA A, DESAPHY J-F, CARBONARA R, HEINY JA, KENNEDY A, CAROCCI A, CAVALLUZZI MM, LENTINI G, **FRANCHINI C**, CONTE CAMERINO D (2013). *Combined Modifications of Mexiletine Pharmacophores for New Lead Blockers of Nav1.4 Channels*. **BIOPHYSICAL JOURNAL**, vol. 104, (2) p. 344-354
- 63) BRUNO C, CAVALLUZZI, MARIA MADDALENA, CAROCCI, ALESSIA, CATALANO, ALESSIA, **FRANCHINI, Carlo**, LENTINI, G (2013). *Capillary Zone Electrophoresis for Separation and Quantitative Determination of Mexiletine and its Main Phase I Metabolites*. **DRUG METABOLISM LETTERS**, vol. 7(1), p. 52-57
- 64) CATALANO A, BUDRIESI R, BRUNO C, DIMOLA A, DEFRENZA I, CAVALLUZZI MM, MICUCCI M, CAROCCI A, **FRANCHINI C**, LENTINI G (2013). *Searching for new antiarrhythmic agents: evaluation of meta-hydroxymexiletine enantiomers*. **EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY**, vol. 65, p. 511-516
- 65) BRUNO C, LENTINI G, LOVECE A, CAVALLUZZI MM, CAROCCI A, CATALANO A, **FRANCHINI C** (2013). *Microwave assisted synthesis of (\pm)-mandelic acid-d₅, optical resolution, and absolute configuration determination*. **EUROPEAN JOURNAL OF CHEMISTRY**, vol. Article number 386238, p. 1-6
- 66) CATALANO A, CAROCCI A, LENTINI G, DEFRENZA I, BRUNO MM, **FRANCHINI C** (2012). *Stereospecific synthesis of m-hydroxymexiletine enantiomers*. **DRUG METABOLISM LETTERS**, vol. 6 (3), p. 182-186
- 67) CATALANO A, CAROCCI A, LENTINI G, DEFRENZA I, CAVALLUZZI MM, **FRANCHINI C** (2012). *An improved synthesis of m-hydroxymexiletine, a potent mexiletine metabolite*. **DRUG METABOLISM LETTERS**, vol. 6 (2), p. 124-128
- 68) DESAPHY, Jean Francois, Dipalma A, Costanza T, Carbonara R, Dinardo MM, CATALANO, ALESSIA, CAROCCI, ALESSIA, LENTINI, G, **FRANCHINI, Carlo**, CONTE, Diana (2012). *Molecular insights into the local anesthetic receptor within voltage-gated sodium channels using hydroxylated analogs of mexiletine*. **FRONTIERS IN PHARMACOLOGY**, vol. 3, p. 1-12
- 69) ROSATO, Antonio, Piarulli M, Schiavone BI, MONTAGNA, Maria Teresa, CAGGIANO, GIUSEPPINA, Muraglia M, Carone A, **FRANCHINI, Carlo**, CORBO, Filomena Faustina Rina (2012). *In vitro synergy testing of anidulafungin with fluconazole, tioconazole, 5-flucytosine and amphotericin B against some Candida spp*. **JOURNAL OF MEDICINAL CHEMISTRY**, vol. 8, p. 690-698

- 70) VOISIN CHIRET AS, BURZICKY G, PERATO S, DE GIORGI M, SOPKOVÁ DE OLIVEIRA SANTOS J, **FRANCHINI, Carlo**, RAULT S. (2012). *Aromatic garlands, as new foldamers, to mimic protein secondary structure*. **TETRAHEDRON**, vol. 68 (23), p. 4381-4389
- 71) ARMENISE, Domenico, MURAGLIA, MARILENA, FLORIO, MARCO ANTONIO, DE LAURENTIS, Nicolino, ROSATO, Antonio, CARRIERI, Antonio, CORBO, Filomena Faustina Rina, **FRANCHINI, Carlo** (2012). **4H-1,4-benzothiazine, dihydro-1,4-benzothiazinones and 2-amino-5- fluorobenzenethiol derivatives: Design, synthesis and in vitro antimicrobial screening**. **ARCHIV DER PHARMAZIE**, vol. 345, p. 407-416
- 72) CATALANO, ALESSIA, DESAPHY, Jean Francois, LENTINI, G, CAROCCI, ALESSIA, Di Mola A., Bruno C., Carbonara R., DE PALMA, Annalisa, Budriesi R., Ghelardini C., PERRONE, MARIA GRAZIA, COLABUFO, Nicola Antonio, CONTE, Diana, **FRANCHINI, Carlo** (2012). *Synthesis and toxicopharmacological evaluation of meta-hydroxymexiletine, the first metabolite of mexiletine more potent than the parent compound on voltage-gated sodium channels*. **JOURNAL OF MEDICINAL CHEMISTRY**, vol. 55, p. 1418-1422
- 73) 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 tocainide*. **NEUROMUSCULAR DISORDERS**, vol. 22, p. 55-65
- 74) CATALANO, ALESSIA, CAROCCI, ALESSIA, DI MOLA A, BRUNO C, VANDERHEYDEN P. M. L, **FRANCHINI, Carlo** (2011). *1-Pentanoyl-N-[[2'-(1H-tetrazol-5-yl)biphenyl-4-yl]methyl]-pyrrolidine-2-carboxamide: Investigation of Structural Variations*. **ARCHIV DER PHARMAZIE**, vol. 344, p. 617-626
- 75) 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
- 76) CATALANO A, CAROCCI A, LENTINI G, DI MOLA A, BRUNO C, **FRANCHINI C** (2011). *Facile Routes for the Preparation of 3,4-Disubstituted 1,3-Oxazolidines and 1,2,5-Trisubstituted Imidazolidin-4-ones*. **JOURNAL OF HETEROCYCLIC CHEMISTRY**, vol. 48, p. 261-266
- 77) BRUNO C, LENTINI G, CATALANO A, CAROCCI A, LOVECE A, DI MOLA A, CAVALLUZZI M. M, TORTORELLA P, LOIODICE F, IACCARINO G, CAMPIGLIA P, NOVELLINO E, **FRANCHINI C** (2010). *Microwave-Assisted Synthesis of KN-93, a Potent and Selective Inhibitor of Ca²⁺/Calmoduline-Dependent Protein Kinase II*. **SYNTHESIS**, vol. 24, p. 4193-4198
- 78) CAVALLUZZI M. M, LENTINI G, LOVECE A, BRUNO C, CATALANO A, CAROCCI A, **FRANCHINI C** (2010). *First synthesis and full characterization of mexiletine N-carboxyloxy β-D-glucuronide*. **TETRAHEDRON LETTERS**, vol. 51 (40), p. 5265-5268
- 79) 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 (40), p. 8000-8005
- 80) CAROCCI A, CATALANO A, LOVECE A, LENTINI G, DURANTI A, LUCINI V, PANNACCI M, SCAGLIONE F, **FRANCHINI C** (2010). *Design, synthesis, and pharmacological effects of structurally simple ligands for MT1 and MT2 melatonin receptors*. **BIOORGANIC & MEDICINAL CHEMISTRY**, vol. 18 (17), p. 6496-6511
- 81) PASCALE R, CAROCCI A, CATALANO A, LENTINI G, SPAGNOLETTA A, CAVALLUZZI M. M, DE SANTIS F, DE PALMA A, SCALERA V, **FRANCHINI C** (2010). *New N-(Phenoxydecyl)phthalimide Derivatives Displaying*

Potent Inhibition Activity towards alpha-Glucosidase. **BIOORGANIC & MEDICINAL CHEMISTRY**, vol. 18 (16), p. 5903-5914

- 82) 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 tocainide on hNav1.7 sodium channels and in vivo neuropathic pain models.* **NEUROSCIENCE**, vol. 169 (2), p. 863-873
- 83) CIPOLLETTA E, MONACO S, MAIONE AS, VITIELLO L, CAMPIGLIA P, PASTORE L, FRANCHINI C, NOVELLINO E, LIMONGELLI V, BAYER KU, MEANS AR, ROSSI G, TRIMARCO B, IACCARINO G, ILLARIO M (2010). *Calmodulin-Dependent Kinase II Mediates Vascular Smooth Muscle Cell Proliferation and Is Potentiated by Extracellular Signal Regulated Kinase.* **ENDOCRINOLOGY**, vol. 151 (6) p. 2747-2759
- 84) CATALANO A, CAROCCI A, CAVALLUZZI M. M, DI MOLA A, LENTINI G, LOVECE A, DIPALMA A, COSTANZA T, DESAPHY J.-F, CONTE CAMERINO D, **FRANCHINI C** (2010). *Hydroxylated Analogs of Mexiletine as Tools for Structural-Requirements Investigation of the Sodium Channel Blocking Activity.* **ARCHIV DER PHARMAZIE**, vol. 343 (6), p. 325-332
- 85) CAROCCI A, LENTINI G, CATALANO A, CAVALLUZZI M. M, BRUNO C, MURAGLIA M, COLABUFO N. A, GALEOTTI N, CORBO F, MATUCCI R, GHELARDINI C, **FRANCHINI C** (2010). *Chiral Aryloxyalkylamines: Selective 5-HT_{1B/1D} Activation and Analgesic Activity.* **CHEMMEDCHEM**, vol. 5, p. 696-704
- 86) Da Silva, N.M.O., Carvalho, R.P., Bernardes, A.C.A., Moriel, P., Mazzola, P.G., **Franchini C**: *Potential drug interaction evaluation in medical prescriptions in a public hospital specialized in women care, in Campinas, SP* (2010) *Revista de Ciencias Farmaceuticas Basica e Aplicada*, 31 (2), pp. 171-176
- 87) CAROCCI A, CATALANO A, BRUNO C, LENTINI G, **FRANCHINI C**, DE BELLIS M, DE LUCA A, CONTE CAMERINO D (2010). *Synthesis and in vitro sodium channel blocking activity evaluation of novel homochiral mexiletine analogs.* **CHIRALITY**, vol. 22(3), p. 299-307
- 88) J.-F. DESAPHY, A. DIPALMA, T. COSTANZA, C. BRUNO, G. LENTINI, **FRANCHINI C**, A. L. GEORGE JR, D. CONTE CAMERINO (2010). *Molecular determinants of state dependent block of voltage-gated sodium channels by pilsicainide.* **BRITISH JOURNAL OF PHARMACOLOGY**, vol. 160 (6), p. 1521-1533
- 89) 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 (2), p. 179-185
- 90) **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 (10), p. 605-613
- 91) CAVALLUZZI M. M, BRUNO C, LENTINI G, LOVECE A, CATALANO A, CAROCCI A, **FRANCHINI C** (2009). *One-step synthesis of homochiral O-aryl and O-heteroaryl mandelic acids and their use as efficient ¹H NMR chiral solvating agents.* **TETRAHEDRON-ASYMMETRY**, vol. 20 (17), p. 1984-1991
- 92) BRUNO C, CATALANO, ALESSIA, LENTINI, G, CAROCCI, ALESSIA, **FRANCHINI, Carlo**, TORTORELLA V. (2008). *Facile Entry to Ethyl Tetrahydro-1H-pyrrolizin-7a(5H)-ylacetate: a Versatile Pharmaceutical Intermediate.* **HETEROCYCLES**, vol. 75(9), p. 2193-2200
- 93) CATALANO A, CAROCCI A, CORBO F, **FRANCHINI C**, MURAGLIA M, SCILIMATI A, DE BELLIS M, DE LUCA A, CONTE CAMERINO D, SINICROPI M.S, TORTORELLA V (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 (11), p. 2535-2540,

- 94) CAVALLUZZI M. M, CATALANO A, BRUNO A, LOVECE A, CAROCCI A, CORBO F, **FRANCHINI C**, LENTINI G, TORTORELLA V (2007). *Synthesis of (R)-, (S)-, and (RS)-hydroxymethylmexiletine, one of the major metabolites of mexiletine.* **TETRAHEDRON-ASYMMETRY**, vol. 18 (20), p. 2409-2417
- 95) LAMANNA C, CATALANO, ALESSIA, CAROCCI, ALESSIA, DI MOLA A, **FRANCHINI, Carlo**, TORTORELLA V, VANDERHEYDEN P. M. L, SINICROPI M. S, WATSON K. A, SCIABOLA S. (2007). *AT1 receptor ligands: virtual screening based design with TOPP descriptors, synthesis and biological evaluation of pyrrolidine derivatives.* **CHEMMEDCHEM**, vol. 2 (9), p. 1298-1310
- 96) BRUNO C, CATALANO A, DESAPHY J.-F.-, CAVALLUZZI M. M, CAROCCI A, DIPALMA A, **FRANCHINI C**, LENTINI G, CONTE CAMERINO D, TORTORELLA V (2007). *Pilsicainide And Its Oxymethylene Analog: Facile Alternative Syntheses And In Vitro Testing On Human Skeletal Muscle Sodium Channels.* **HETEROCYCLES**, vol. 71 (9), p. 2011-2026
- 97) 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 alpha-Aminoanilides with Central Antinociceptive Activity.* **JOURNAL OF MEDICINAL CHEMISTRY**, vol. 50(8), p. 1907-1915
- 98) 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 (5), p. 1099-1103
- 99) DE BELLIS M, DE LUCA A, RANA F, CAVALLUZZI M.M, CATALANO A, LENTINI G, **FRANCHINI C**, TORTORELLA V, CONTE CAMERINO D (2006). *Evaluation of the pharmacological activity of the major mexiletine metabolites on skeletal muscle sodium currents.* **BRITISH JOURNAL OF PHARMACOLOGY**, vol. 149 (3), p. 300-310
- 100) BRUNO C., CAROCCI A., CATALANO A., CAVALLUZZI M.M., CORBO F., **FRANCHINI C**, LENTINI G., TORTORELLA V. (2006). *Facile, alternative route to Lubeluzole, its enantiomer, and the racemate.* **CHIRALITY**, vol. 18 (4), p. 227-231
- 101) Catalano, A., Carocci, A., Fracchiolla, G., **Franchini, C.**, Lentini, G., Tortorella, V., De Luca, A., DeBellis, M., Desaphy, J.-F., Conte Camerino, D. Erratum: *Stereospecific synthesis of "para-hydroxymexiletine" and sodium channel blocking activity evaluation* (2005) **Chirality**, 17 (5), p. 297.
- 102) Franchini, C., Carocci, A., Catalano, A., Cavalluzzi, M.M., Corbo, F., Lentini, G., Scilimati, A., Tortorella, P., Camerino, D.C., De Luca, A. Erratum: *Optically active mexiletine analogues as stereo-selective blockers of voltage-gated Na⁺ channels* **Journal of Medicinal Chemistry** (2005) **Journal of Medicinal Chemistry**, 48 (8), p. 3094.
- 103) DE LUCA A., PIERNO S., LIANTONIO A., DESAPHY J.-F., NATUZZI F., DIDONNA M.P., FERRANNINI E., JOCKUSCH H., **FRANCHINI C**, LENTINI G., CORBO F., TORTORELLA V., CONTE CAMERINO D. (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 (7), p. 405-416
- 104) CATALANO A., CAROCCI A., FRACCHIOLLA G., **FRANCHINI C**, LENTINI G., TORTORELLA V., DE LUCA A., DE BELLIS M., DESAPHY J.-F., CONTE CAMERINO D. (2004). *Stereospecific synthesis of para-hydroxymexiletine and sodium channel blocking activity evaluation.* **CHIRALITY**, vol. 16(2), p.72-78
- 105) CARBONARA G., CAROCCI A., FRACCHIOLLA G., **FRANCHINI C**, LENTINI G., LOIODICE F., TORTORELLA P. (2004). *H-1-NMR determination of the enantiomeric excess of the antiarrhythmic drug Mexiletine by*

using mandelic acid analogues as chiral solvating agents. *ARKIVOC*, vol. 5, p. 5-25

- 106) LAMANNA C., SINICROPI M.S., PIETRANGELI P., CORBO F., **FRANCHINI C**, MONDOV B., PERRONE M.G., SCILIMATI A (2004). *Synthesis and biological evaluation of 3-alkyloxazolidin-2-ones as reversible MAO inhibitors*. **ARKIVOC**, (5), p. 118-130
- 107) **FRANCHINI C**, CAROCCI A, CATALANO A, CAVALLUZZI M.M, CORBO F, LENTINI G, SCILIMATI A, TORTORELLA P, CONTE CAMERINO D, DE LUCA A (2003). *Optically Active Mexiletine Analogues as Stereoselective Blockers of Voltage-Gated Na⁺ Channels*. **JOURNAL OF MEDICINAL CHEMISTRY**, vol. 46(24), 5238-5248
- 108) DE LUCA A., TALON S., DE BELLIS M., DESAPHY J.F., LENTINI G., CORBO F., SCILIMATI A., **FRANCHINI C**, TORTORELLA V., CONTE CAMERINO D. (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
- 109) De Luca A., Talon S., De Bellis M., Desaphy J. F., **Franchini C.**, Lentini G., Catalano A., Corbo F., Tortorella V. and Conte Camerino D. (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
- 110) FERORELLI S., **FRANCHINI C**, LOIODICE F., PERRONE M.G., SCILIMATI A., SINICROPI M.S., TORTORELLA P. (2001). *Lipase-mediated kinetic resolution of rigid clofibrate analogues, with lipid-modifying activity*. **TETRAHEDRON-ASYMMETRY**, vol. 12 (6), p. 853-862
- 111) TALON S., DE LUCA A., DE BELLIS M., DESAPHY J.F., LENTINI G., SCILIMATI A., CORBO F., **FRANCHINI C**, TORTORELLA P., JOCKUSCH H., CONTE CAMERINO D. (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 (7), p. 1523-1531
- 112) **FRANCHINI C**, CORBO F., LENTINI G., BRUNO G., SCILIMATI A., TORTORELLA V., CONTE CAMERINO D., DE LUCA A. (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 (20), p. 3792-3798
- 113) CAROCCI A., CATALANO A., CORBO F., DURANTI A., AMOROSO R., **FRANCHINI C**, LENTINI G., TORTORELLA V. (2000). *Stereospecific synthesis of mexiletine and related compounds: Mitsunobu versus Williamson reaction*. **TETRAHEDRON-ASYMMETRY**, vol. 11 (17), p. 3619-3634
- 114) DI NUNNO L., **FRANCHINI C**, SCILIMATI A., SINICROPI M. S., TORTORELLA P. (2000). *Chemical and Chemoenzymatic Routes to 1-(benzothiazol-2-ylsulfanyl)-3-chloropropan-2-ol, a precursor of drugs with potential Beta-blocker activity*. **TETRAHEDRON-ASYMMETRY**, vol. 11 (7), p. 1571-1583
- 115) CAROCCI A., **FRANCHINI C**, LENTINI G., LOIODICE F., TORTORELLA V (2000). *Facile entry to (-)-(R)- and (+)-(S)-Mexiletine*. **CHIRALITY**, vol. 12 (3), p. 103-106
- 116) De LUCA A., NATUZZI F., DESAPHY J.-F., LONI G., LENTINI G., **FRANCHINI C.**, TORTORELLA V., CONTE D (2000). *Molecular determinants of mexiletine structure for potent and use-dependent block of skeletal muscle sodium channels*. **MOLECULAR PHARMACOLOGY**, vol. 57(2) p. 268-277
- 117) DURANTI A., **FRANCHINI C**, LENTINI G., LOIODICE F., TORTORELLA V., DE LUCA A., PIERNO S., CONTE CAMERINO D. (2000). *Homologation of mexiletine alkyl chain and stereoselective blockade of skeletal*

muscle sodium channels. **EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY**, vol. 35 (1), p. 147-156

- 118) DI NUNNO L., **FRANCHINI C**, NACCI A., SCILIMATI A., SINICROPI M.S. (1999). Baker's Yeast-Induced Asymmetric Reduction of alpha-Ketosulfides. *Synthesis of optically active 1-(Benzothiazol-2-ylsulfanyl)-2-alkanols, 2-Alkanols, and Thiiranes*. **TETRAHEDRON-ASYMMETRY**, vol. 10(10), p. 1913-1926
- 119) DESAPHY J.F., CONTE CAMERINO D., **FRANCHINI C**, LENTINI G., TORTORELLA V., DE LUCA A. (1999). *Increased hindrance on the chiral carbon atom of mexiletine enhances the block of rat skeletal muscle Na⁺ channels in a model of myotonia induced by ATX*. **BRITISH JOURNAL OF PHARMACOLOGY**, vol. 128 (6), p. 1165-1174
- 120) DURANTI A., **FRANCHINI C.**, LENTINI G, SINICROPI M. S. (1998). *Contribution to the study of 2-aryloxy-1-phenyl- and 2-aryloxy-2-phenylethanol. Differentiation by mass spectrometry*. **JOURNAL OF MASS SPECTROMETRY**, vol. 33 (5), p. 486-487
- 121) TRICARICO D., BARBIERI M., **FRANCHINI C**, TORTORELLA V., CONTE CAMERINO D. (1998). *Effects of Mexiletine on ATP sensitive K⁺ channel of rat skeletal muscle fibres: a state dependent mechanism of action*. **BRITISH JOURNAL OF PHARMACOLOGY**, vol. 125 (4), p. 858-864
- 122) DE LUCA A., PIERNO S., NATUZZI F., **FRANCHINI C**, DURANTI A., LENTINI G., TORTORELLA V., JOCKUSCH H., CONTE CAMERINO D (1997). *Evaluation of the Antimyotonic activity of mexiletine and some new analogs on sodium currents of single muscle fibers and on the abnormal excitability of the myotonic ADR mouse*. **JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS**, vol. 282 (1), p. 93-100
- 123) DE LUCA A., NATUZZI F., FALCONE G., DURANTI A., LENTINI G., **FRANCHINI C**, TORTORELLA V., CONTE CAMERINO D (1997). *Inhibition of frog skeletal muscle sodium channels by newly synthesized chiral derivatives of Mexiletine and Tocainide*. **NAUNYN-SCHMIEDEBERG'S ARCHIVES OF PHARMACOLOGY**, vol. 356(6), p. 777-787
- 124) CHIAIA NOJA F., FERORELLI S., **FRANCHINI C**, SCILIMATI A., SINICROPI M.S., TORTORELLA P. (1996). *Candida Cylindracea Lipase-mediated kinetic resolution of alpha-substituted alpha-aryloxy acetic acid methyl esters*. **IL FARMACO**, vol. 51(4), p. 293-296
- 125) Cruciani, M., Gatti, G., Lazzarini, L., Furlan, G., Broccali, G., Malena, M., **Franchini, C.**, Concia, E. *Penetration of vancomycin into human lung tissue (1996)* **Journal of Antimicrobial Chemotherapy**, 38 (5), pp. 865-869.
- 126) DE LUCA A., NATUZZI F., LENTINI, G, **FRANCHINI, Carlo**, TORTORELLA V., CONTE CAMERINO D. (1995). *Stereoselective effects of Mexiletine and Tocainide enantiomers on sodium currents and excitability characteristics of adult skeletal muscle fibers*. **NAUNYN-SCHMIEDEBERG'S ARCHIVES OF PHARMACOLOGY**, vol. 352 (6), p. 653-661
- 127) **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 (7), p. 590-595
- 128) GIORDANO C., CALABRETTA R., GALLINA C., CONSALVI V., SCANDURRA R., CHIAIA NOJA F., **FRANCHINI C** (1993). *Iodo and diiodotyrosyne epoxysuccinyl derivatives as selective inhibitors of cathepsin B*. **EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY**, vol. 28 (12), p. 917-926
- 129) **FRANCHINI C.**, CHIAIA NOJA F., CORBO F., LENTINI G, TORTORELLA V., BARTOLINI A., GHELARDINI C., MATUCCI R., GIOTTI A. (1993). *Stereoselectivity in central analgesic action of Tocainide and its analogs*. **CHIRALITY**, vol. 5(3) p. 135-142

- 130) GIORDANO C., CALABRETTA R., GALLINA C., CONSALVI V., SCANDURRA R., CHIAIA NOJA F., **FRANCHINI C** (1993). *Synthesis and inhibiting activities of 1-peptidyl-2-haloacetyl hydrazines toward cathepsin B and calpains*. **EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY**, vol. 28(4), p. 297-311
- 131) DE LUCA A., **FRANCHINI C**, TORTORELLA V., CONTE CAMERINO D. (1992). *Enantiomers of Tocainide and Mexiletine: Antimyotonic activity and use-dependent block of skeletal muscle Na channels*. **PHARMACOLOGICAL RESEARCH**, vol. 26(1),p. 27
- 132) BARTOLINI A., CORBO F., **FRANCHINI C**, GHELARDINI C., GIOTTI A., LENTINI G., MATUCCI R., TORTORELLA V. (1992). *Pharmacological differences between R(-) and S(+)* Tocainide. **PHARMACOLOGICAL RESEARCH**, vol. 26 pag 91
- 133) VETUSCHI C., TANGARI N., GIOVINE M., **FRANCHINI C**, TORTORELLA V. (1992). *Selective oxidation of piperazine derivatives with ruthenium tetroxide*. **IL FARMACO**, 47 (5), pp. 599-605
- 134) TRICARICO D., FAKLER B., SPITTELMEISTER W., RUPPERSBERG J.P., STUTZEL R., **FRANCHINI C**, TORTORELLA V., CONTE CAMERINO D., RUDEL R. (1991). *Stereoselective interaction of Tocainide and its chiral analogs with the sodium channels in human myoballs*. **PFLUGERS ARCHIV**, vol. 418 (3), p. 234-237
- 135) TRICARICO D., **FRANCHINI C**, LENTINI G., CONTE CAMERINO D., TORTORELLA V., RUDEL R. (1990). *The effects of Tocainide and its chiral analogues on sodium channels of human muscle*. **PHARMACOLOGICAL RESEARCH**, vol. 22(1), p. 95-96
- 136) CONTE, Diana, TRICARICO, Domenico, **FRANCHINI, Carlo**, Tortorella V. (1989). *Stereospecific effects of tocainide and its chiral derivatives on rat skeletal muscle sodium channel*. **PHARMACOLOGICAL RESEARCH**, vol. 21, p. 7-8
- 137) CONTE CAMERINO D., TORTORELLA V., **FRANCHINI C**, TRICARICO D. (1988). *Antimyotonic actions of new chiral sodium channel blockers*. **PHARMACOLOGICAL RESEARCH**, vol. 20(2), p.111
- 138) BERARDI F., CELLUCCI C., FERORELLI S., **FRANCHINI C**, PERRONE R. (1988). *The chiroptical properties of Lactams: 5-substituted-3-Morpholinones*. **FARMACO EDIZIONE SCIENTIFICA**, 43 (2), pp. 181-187.
- 139) **FRANCHINI C**, BRUNO S. (1985). *Indagine polarimetrica di preparati di Cannabis Sativa L.: valutazione preliminare del contenuto in Cannabinoidi*. **BOLLETTINO CHIMICO FARMACEUTICO**, vol. 124 (12) , p. 546-551,
- 140) G. BETTONI, CARBONARA G, **C. FRANCHINI**, V. TORTORELLA (1981). *Oxidation of tertiary polycyclic amines by RuO₄*. **TETRAHEDRON**, vol. 37 (24), p. 4159-4164
- 141) BETTONI G., **FRANCHINI C**, PERRONE R., TORTORELLA V. (1980). *Synthesis and absolute configuration of substituted morpholines*. **TETRAHEDRON**, vol. 36 (3), p. 409-415
- 142) BETTONI G., CATSIOTIS S., FRANCHINI C (1977). *Studio delle proprietà chirottiche di 2,4-dinitrofenil derivati di ammino composti aventi interesse farmaceutico*. **IL FARMACO. EDIZIONE SCIENTIFICA**, 32 (5), pp. 367-374
- 143) BETTONI G., **FRANCHINI C** (1976). *Determinazione della configurazione assoluta di composti amminici aventi interesse farmaceutico attraverso misure di dicroismo circolare*. **IL FARMACO. EDIZIONE SCIENTIFICA**, vol. 31 31 (2), pp. 105-111

- 144) BETTONI G., **FRANCHINI C** (1976). *Determinazione della configurazione assoluta di composti amminici aventi interesse farmaceutico attraverso misure di dicroismo circolare*. **IL FARMACO. EDIZIONE SCIENTIFICA**, 31 (8), pp. 420-425
- 145) BETTONI G., **FRANCHINI C**, MORLACCHI F., TANGARI N., TORTORELLA V. (1976). Reaction of nitrogen compounds with ruthenium tetroxide. 2. Oxidation of tertiary amines as a convenient alternative to von Braun degradation. **JOURNAL OF ORGANIC CHEMISTRY**, vol. 41, p. 2780-2782

Contributo in Volumi:

1 2015

FRANCHINI, Carlo, CORBO, Filomena Faustina Rina, CATALANO, ALESSIA, CAROCCI, ALESSIA (2015). Organofluorinecontaining anti-infective agents. In: Franchini C. Corbo F. Catalano A. Carocci A.. *Fluorinated Pharmaceuticals: Advances in Medicinal Chemistry*. p. 45-54, Future Medicine Ltd., ISBN: 9781909453968

2 2009

CAROCCI A, BRUNO C, CATALANO A, LENTINI G, FRANCHINI C, DE BELLIS M, DE LUCA A, CONTE CAMERINO D (2009). Chiral mexiletine analogues as skeletal muscle voltage-gated sodium channel blocking agents. In: STEFANO ALCARO. *New Perspectives in Medicinal Chemistry*. Biological Sciences: Research Signpost. vol. 1, p. 159-168, ISBN: 978-81-308-0321-0

3 2009

CAROCCI, ALESSIA, BRUNO C, CATALANO, ALESSIA, LENTINI, G, FRANCHINI, Carlo, DE BELLIS, MICHELA, DE LUCA A, CONTE CAMERINO D. (2009). Chiral mexiletine analogues as skeletal muscle voltage-gated sodium channel blocking agents. In: STEFANO ALCARO. *New Perspectives in medicinal chemistry*. vol. 1, p. 159-168, TRIVANDRUM, KERALA:Research Signpost (Stefano Alcaro), ISBN: 978-81-308-0321-0