

PERSONAL INFORMATION



MAURO CATALDI, MD, PhD



WORK EXPERIENCE

- November 2018- up today** Section of Pharmacology, Department of Neuroscience, Reproductive and Odontostomatologic Sciences, University of Naples , ITALY
Position held: Associate Professor in Pharmacology
Azienda Universitaria Federico II: Dirigente Medico, UOC Farmacologia e Tossicologia Medica
- September 2000- November 2018** Section of Pharmacology, Department of Neuroscience, Reproductive and Odontostomatologic Sciences, University of Naples , ITALY
Position held: Assistant Professor in Pharmacology
- April 2008- June 2008** Montreal Neurological Institute and Department of Neurology & Neurosurgery, McGill University (supervisor. Prof. M. Avoli), Montreal, Quebec, CANADA
Position held: Visiting Scientist
- March 2007-April 2007** Montreal Neurological Institute and Department of Neurology & Neurosurgery, McGill University (supervisor. Prof. M. Avoli), Montreal, Quebec, CANADA
Position held: Visiting Scientist
- June 1998- June 2000** Dept. Molecular and Cellular Physiology, Beckman Center, Stanford University (supervisor Dr. R. Tsien), California, USA
Position held: Post-Doc
- March 1993-March 1996** Unit of Pharmacology, Department of Neuroscience, Federico II University of Naples, ITALY, PhD course in Neuropsychopharmacology (Supervisor Prof. Lucio Annunziato)
Position held: PhD student
- January 1991-October 1992** Unitè d' Endocrinologie Experimentale, INSERM U297, Marseille, FRANCE (supervisor Prof. Charles Oliver).
Position held: Visiting Scientist
- December 1988- June 1993** Division of Endocrinology, Federico II University of Naples, ITALY, Residency in Endocrinology (Supervisor Prof. G. Lombardi)
Position held: Residency in Endocrinology

EDUCATION AND TRAINING

- 1996** PhD in Neuropsychopharmacology (Federico II University of Naples)
- 1993** Specialization in Endocrinology (Federico II University of Naples)
- 1988** Degree in Medicine and Surgery magna cum laude (Federico II University of Naples)
- 1982** High school Degree (Liceo Classico Pontano di Napoli)

FELLOWSHIP GRANTS

- 2007** Short mobility grant of the Federico II University of Naples for research staff
- 2000** Fellowship grant from the Leonardo di Capua foundation
- 1999** Winner of the 9th Postdoctoral fellowship grant contest of the Federico II University of Naples (declined)
- 1998-2000** NATO-CNR Fellowship
- 1991-1992** Post Vert INSERM for young foreign investigators (FRANCE)

SPECIALISTIC COURSES

October 1993	Neuroendocrinology of the growth, Instituto Juan March de Estudios e Investigaciones, Madrid, SPAIN
October 1993	EMBO Course on optical probes for intracellular signalling in living cells. BBSRC Babraham Institute, Babraham, Cambridge, UNITED KINGDOM
November 1994	European School of Molecular Medicine: course on Signal transduction in differentiation and transdifferentiation. C. Golgi Foundation, Brescia, ITALY
December 1998	Safety laboratory training course, Stanford University, California, USA
Spring 2000	Microscopy techniques course, Stanford University, California, USA
April 2008	Laboratory animal bi methodology workshop. The laboratory rat. McGill University, Montreal, Quebec, CANADA

PERSONAL SKILLS

Mother tongue	Italian
Other languages	English and French

Job-related skills

-Basic cell and molecular biology techniques:

1. Cell culture
2. Protein extraction from cell lysates and plasma-membranes, immunoprecipitation, Western blotting.
3. Plasmid growth, DNA isolation and cell transfection
4. RNA extraction from tissues and cell cultures, Northern and Southern blotting.
5. In vitro RNA synthesis, xenopus oocytes isolation, RNA microinjection.
6. Immunocytochemistry and fluorescence microscopy.

-Radioimmunity and related techniques of interest in neuroendocrinology:

1. Liquid chromatography.
2. Reverse phase HPLC.
3. Peptide labelling with chloramine-T, iodogen and lactoperoxidase.
4. RIA of peptides in plasma, culture media and cell lysates and peptide extraction techniques.
5. Active immunization of sheep and rabbit. Peptide coupling to BSA using gluteraldehyde.
6. Portal blood sampling in sheep bearing perihypophysial cannulae.
7. Primary cell cultures of adenohipophysial cells.

-Real time videoimaging techniques to assess intracellular ion concentrations :

1. Cell suspension fluorimetry.
2. Single cell videoimaging..
3. Real time confocal videoimaging with fluo-3 (basic).

-Electrophysiology:

1. Two microelectrode voltage clamp recordings in Xenopus oocytes
2. Whole cell patch clamp in mammalian cells
3. Automated patch clamp electrophysiology (Nanion Port a Patch)
4. Extracellular field recordings in brain slices
5. Intracellular recordings in brain slices (basic)

- Models in vitro of blood brain barrier and scleral permeability

- Drug assay by immunometric and HPLC methods

1. CEDIA, DRI/EMIT, QMS, CMIA techniques for the determination of antiepileptic drugs, anticancer drugs, immunosuppressant drugs, cardiovascular drugs and antibiotics
2. RP-HPLC UV/VIS/fluorometry fro the determination of antipsychotic drugs, antiepileptic drugs, antibiotics and antifungal drugs

Research Grants

2004-2006: Head of a local unit in charge of the PRIN project entitled “Molecular mechanisms and functional implications of the re-induction by endothelin-1 of T-type calcium channel expression in cultured rat cardiomyocytes”

2008-2010: Head of a local unit in charge of the PRIN project entitled “Role of T-type calcium channels and of calcium/calmodulin dependent kinases in the pathogenesis of ischemic brain damage”

2017: Grant form Regione Campania for the implementation of a medication use review consultation in the Azienda Universitaria Policlinico Federico II (Obiettivi di carattere prioritario e di rilievo nazionale a norma dell’art.1, commi 34 3 34 bis della legge 662/96” per l’utilizzo delle risorse vincolate alla realizzazione degli Obiettivi del piano Sanitario Nazionale, anni 2014-2016)

European projects

Contact person of the commitment "FRIENDD: A STUDY GROUP ON DRUG INTERACTIONS IN POLYPHARMACY IN THE ELDERLY" European Innovation Partnership on Active And Healthy Ageing (EIP AHA) (https://ec.europa.eu/eip/ageing/commitments-tracker/a1/friendd-study-group-drug-interactions-polypharmacy-elderly_en) (starting date 1 March 2016)

Editorial Activity

Member of the Editorial Board of New Horizon in Translational Medicine (from 2018 European Journal of Molecular & Clinical Medicine), Frontiers in Translational Pharmacology, Frontiers in Physiology, Biomedicines

Reviewer for for BMC Pharmacology, Biochemical Pharmacology, Current Opinion in Neurobiology, Epilepsy Research, J Physiol, Neuropharmacology, J Neuroscience, Neuroscience, Neurological Sciences, Neurobiol. Aging, J. Neurochem. Int. J. Developmental Neuroscience, World J Pediatr., J. Critical Care, Molecular and Cellular Biochemistry (MCBI), PLOS One, Life Sciences, Frontiers in Pharmacology

Talks at scientific meetings

“Ionic homeostasis in Alzheimer disease”, Eleventh Annual Meeting of the International Behavioral Neuroscience Society, June 19-23, 2002. Capri, Italy.

“Separazione e analisi delle proprietà farmacologiche delle diidropiridine chirali: valutazione comparativa degli isomeri ottici della amlodipina e della lercanidipina”, Terzo Progetto di ricerca. Proprietà chimico-fisiche dei medicinali e loro sicurezza d’uso: Convegno Nazionale delle Unità Operative, May 27, 2002, Roma, Istituto Superiore di Sanità.

“Farmacologia dei vecchi e nuovi farmaci antiepilettici”, June 15, 2002, Cassino, Istituto San Raffaele

“Meccanismi patogenetici del danno da rumore: ruolo di canali ionici e secondi messaggeri intracellulari”, October 10, 2005, Naples, Italy.

“La dipendenza da benzodiazepine” Pozzuoli, Napoli

“Zinc permeates T-type calcium channels and affects their gating” XII Meeting of the Italian Society for Neuroscience, October 1-4, 2005, Lacco Ameno, Ischia, Italy.

“Basi molecolari della risposta ai farmaci: ricadute cliniche”, Gestione Razionale della Farmacoterapia e della Spesa Sanitaria: Ruolo di farmacogenetica e Farmacovigilanza, October 10, 2011, Catania, Italy.

“Role of the M current and other potassium channels in in vitro models of epileptogenesis”, XIV congress of the Italian Society for Neuroscience, 1ST Joint Meeting with the Israel Society for Neuroscience, April, 19-22, 2012, Catania.

“I Farmaci Biotechologici compaiono nel mercato dei Generici in Pediatria: I Farmaci Biosimilari”, 12° Congresso della Federazione dei Medici Pediatria, 18-18 Maggio 2012, Napoli, Stazione Marittima

“The calcium channel pore is smaller in T-type than in L-type channels”, XXX Meeting of the Italian Society of Pharmacology, May 30-June 2, 2001, Genova, Italy.

“The future of investigator-driven clinical trials” Unesco chair in Bioethics, 11th World Conference, Napoli 21 October 2015

“Autophagy-dependent regulation of tubule formation in the brain endothelial cell line bEND.5” Annual Meeting of the European Society for Translational Medicine. Vienna 1st September 2015

"The VEGF-mimetic peptide QK reduces brain damage induced in rat by middle cerebral artery occlusion without promoting brain edema formation" 4° Annual Congress of the European Society for Translational Medicine, Prague 18 October 2016- SESSION CHAIRMAN

"Composizione corporea e farmacocinetica" during the meeting "La Composizione Corporea: dalla nutrizione di base alla nutrizione applicata", Napoli 27 May 2016

“Utilization of antihypertensive drugs in obesity-related hypertension: a retrospective observational study in a cohort of patients from Southern Italy” First European Clinical Case Reports Congress, Vienna, 9 March 2017- SESSION CHAIRMAN

“Results from the FRIENDD pilot study” tenuta al 5° Annual Meeting of the European Society for Translational Medicine, Berlin 21 October 2017- SESSION CHAIRMAN

Teaching

2001-2002: Course in Pharmacology for students of the neurophysiology technician program, School of medicine, Federico II University of Naples, ITALY

2002-2003: Course in Pharmacology for students of the audio prosthesis technician program, School of medicine, Federico II University of Naples, ITALY

2002-2003: Course in Pharmacology for students of the audiometrician program, School of medicine, Federico II University of Naples, ITALY

2002-2003: Course in Pharmacology for students of the orthoptician program, School of medicine, Federico II University of Naples, ITALY

2001-2003: Course in Special Pharmacology for medical biotechnology students, School of Biotechnology, Federico II University of Naples, ITALY

2004- up to date: Course in Biotechnological Pharmacology for medical biotechnology students, School of Biotechnology, Federico II University of Naples, ITALY

2000-2001: Course in Pharmacology for students of the nurse program, Ospedale San Leonardo, Salerno, ITALY

2001-2002: Course in Pharmacology for students of the radiology technician

program, School of medicine, Federico II University of Naples, ITALY

2004-2005 and 2006 up to date: Course in Pharmacology for students of the dietician and nutritionist program, School of medicine, Federico II University of Naples, ITALY **2000- up to date:** Course in Pharmacology for medical students, School of medicine, Federico II University of Naples, ITALY

2000- up to date: Course in Pharmacology for students of the Dental hygienist program, School of medicine, Federico II University of Naples, ITALY

2000- up to date: Course in Pharmacology, specialization schools of the School of Medicine, Federico II University of Naples, ITALY

2000- up to date: Teacher of the courses for PhD students of the Neuroscience program, School of Medicine, Federico II University of Naples, ITALY

2015-16/16-17: Course in Pharmacology and Pharmacogenomics for the students of the Biotechnology School of the Federico II University of Naples (course given in English)

2016: Teacher at the master course “Nuove conoscenze nella gestione della terapia di mantenimento e nelle complicanze in parodontologia ed implantologia” of the Department of neuroscience, reproductive and odontostomatologic Science of the Federico II University of Naples

Honours and awards

Winner of the Pharmacia/Italian Endocrine Society prize for Neuroendocrinology in 1995.

Publons Peer Review Awards 2017 “as one of the top 1 percent of peer reviewers in “Multidisciplinary”

Winner of the contest for “attribuzione una tantum a professori e ricercatori universitari dell’incentivo di cui all’art. 29, comma 19, della Legge 240/2010...” for teaching and academic managerial activity

Personal Data Disclaimer

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

PUBLICATIONS: FULL PAPERS

1. **Cataldi M**, Lonardo SM, Cacciapuoti N, Guida B. Facilitators and barriers for the implementation of a telemedicine program in nutrition during the COVID-19 pandemic. *Nutr Metab Cardiovasc Dis*. 2021 Sep 22;31(10):2987-2988.
2. Lauritano A, Moutton S, Longobardi E, Tran Mau- Them F, Laudati G, Nappi P, Virginia Soldovieri M, Ambrosino P, Cataldi M, Thibaud J, Lehalle D, Maurey H, Philippe C, Miceli F, Vitobello A, Tagliatalata M. A novel homozygous KCNQ3 loss- of- function variant causes nonsyndromic intellectual disability and neonatal- onset pharmacodependent epilepsy. *Epilepsia Open*. (2019) 4(3):464-475
3. Ciccone R, Franco C, Piccialli I, Boscia F, Casamassa A, de Rosa V, Cepparulo P, **Cataldi M**, Annunziato L Amyloid β -Induced Upregulation of Nav1.6 Underlies Neuronal Hyperactivity in Tg2576 Alzheimer's Disease Mouse Model. *Sci Rep*. (2019) 9(1):13592
4. Santangelo B., Harel M., Fourel I., Micieli F., **Cataldi M.**, Segard-Weisse E., Portier K. Intranasal dexmedetomidine in healthy beagles: An echocardiographic and pharmacokinetic/pharmacodynamic study. *Vet J*. (2019) 251: 105346
5. **Cataldi M**, De Luca V, Tramontano G, Del Giudice C, Grimaldi I, Cuccaro P, Speranza P, Iadicicco G, Iadicicco V, Carotenuto F, Riccio PA, Di Spigna G, Renzullo A, Vuolo L, Barrea L, Savastano S, Colao A, Liotta G, Iaccarino G, Abete P, Buono P, Vollenbroek-Hutten M, Illario M. An Approach to Prevent Frailty in Community Dwelling Older Adults: a pilot study performed in Campania region in the framework of the PERSSILAA project. *Transl Med UniSa*. 2019 Jan 6;19:42-48. eCollection 2019 Jan-Jun.
6. De Luca V, Tramontano G, Del Giudice C, Grimaldi I, Romano R, Liguori I, Carpinelli Mazzi M, Di Carluccio N, Riccio PA, Speranza P, Iavarone A, Abete P, Postiglione A, **Cataldi M**, Vallone C, Giallauria F, Cittadini A, Triggiani M, Savastano S, Menditto E, Leonardini L, Colao A, Triassi M, Iaccarino G, Postiglione A, Coscioni E, Illario M. Innovative Approaches to Active and Healthy Ageing: Campania Experience to Improve the Adoption of Innovative Good Practices. *Transl Med UniSa*. 2019 Jan 6;19:116-123. eCollection 2019 Jan-Jun
7. Guida B, Trio R, Di Maro M, Memoli A, Di Lauro T, Belfiore A, Santillo M, **Cataldi M** Prevalence of Obesity and Obesity-Associated Muscle Wasting In Patients on Peritoneal Dialysis. *Nutr Metab Cardiovasc Dis* (2019) 29(12):1390-1399.
8. Guida B., Parolisi S., Coco M., Ruoppo T., Veccia R., Trio R., Memoli A., **Cataldi M**. The impact of a nutritional intervention based on egg white for phosphorus control in hemodialysis patients. *Nutr Metab Cardiovasc Dis*. 2019 Jan;29(1):45-50..
9. Chen L-Y, Lévesque M, **Cataldi M**, Avoli M. Single-unit activity in the in vitro entorhinal cortex during carbachol-induced field oscillations. *Neuroscience*, 2018, 379: 1-12
10. Capone D, **Cataldi M**, Guida B, Mosca T, Tarantino G. Comparison of the everolimus concentrations measured in whole blood with everolimus QMS or sirolimus CMIA. *The Scandinavian Journal of Clinical & Laboratory Investigation*, 2018; 78: 275-280.
11. Guida B, **Cataldi M**, Busetto L, Aiello ML, Musella M, Capone D, Parolisi S, Policastro V, Ragozini G, Belfiore A. Predictors of free-fat mass loss one year after laparoscopic sleeve gastrectomy. *J End Invest.*, (2018) 41(11):1307-1315
12. Arcopinto M., **Cataldi M.**, De Luca V., Orlando V., Simeone G., D'Assante R., Postiglione A., Guida A., Trama U., Illario M., Ferrara N., Coscioni E., Iaccarino G., Cuccaro P., D'Onofrio G., Vigorito C., Cittadini A., Menditto E. (2017) Implementing an ICT-based polypharmacy management program in Italy. *Translational Medicine @ UniSa* 2017; 16: 24-29.

13. Capone D., **Cataldi M.**, Vinciguerra M., Mosca T., Barretta S., Ragosta A., Sorrentino A., Vecchione A., Barretta L. And Tarantino G. Reticulocyte Hemoglobin Content Helps Avoid Iron Overload in Hemodialysis Patients: A Retrospective Observational Study. *In Vivo*, 2017; 31: 709-12.
14. Guida B., **Cataldi M.**, Memoli Andrea, Trio Rossella, di Maro M, Grumetto L., Capuano I., Federico S., Pisani A., Sabbatini M. Effect of a short-course treatment with synbiotics on plasma p-cresol concentration in kidney transplant recipients. *J Am Coll Nutr.*, 2017; 36(7):586-591.
15. Lévesque M, **Cataldi M**, Chen LY, Hamidi S, Avoli M. Carbachol-induced network oscillations in an in vitro limbic system brain slice. *Neuroscience*. 2017; 348:153-164.
16. Piazza O, Staiano RI, De Robertis E, Conti G, Di Crescenzo V, Loffredo S, Marone G, Marinosci GZ, **Cataldi M**. Effect Of α 2-Adrenergic Agonists And Antagonists On Cytokine Release From Human Lung Macrophages Cultured In Vitro. *Transl Med UniSa*. 2016 Nov 1;15:67-73.
17. Sambri I, D'Alessio R, Ezhova Y, Giuliano T, Sorrentino NC, Cacace V, De Risi M, **Cataldi M**, Annunziato L, De Leonibus E, Fraldi A. Lysosomal dysfunction disrupts presynaptic maintenance and restoration of presynaptic function prevents neurodegeneration in lysosomal storage diseases. *EMBO Mol Med*. 2017; 9(1):112-132.
18. **Cataldi M**, di Geronimo O, Trio R, Scotti A, Memoli A, Capone D, Guida B. Utilization of antihypertensive drugs in obesity-related hypertension: a retrospective observational study in a cohort of patients from Southern Italy. *BMC Pharmacol Toxicol*. 2016;17(1):9.
19. Selis F, Genovese S, Salis B, Schrepfer R, Sblendorio V, **Cataldi M**, Tonon G, Orsini G Preclinical Characterization of Eleven New Cys-Pegylated hGH Mutants. *New Horizons in Translational Medicine* 2015; 2: 147-154
20. Santangelo B, Micieli F, Marino F, Reynaud F, Cassandro P, Carfora A, Petrella R, Borriello R, **Cataldi M**, Vesce G. Plasma concentrations and sedative effects of a dexmedetomidine, midazolam and butorphanol combination after transnasal administration in healthy rabbits. *J. Vet. Pharm. Toxicol*. 2016; 39(4):408-11.
21. Pignataro G, Ziaco B, Tortiglione A, Gala R, Cuomo O, Vinciguerra A, Lapi D, Mastantuono T, Anzilotti S, D'Andrea LD, Pedone C, di Renzo G, Annunziato L, **Cataldi M**. Neuroprotective Effect of VEGF-Mimetic Peptide QK in Experimental Brain Ischemia Induced in Rat by Middle Cerebral Artery Occlusion. *ACS Chem Neurosci*. 2015; 6(9):1517-25.
22. Belfiore A, **Cataldi M**, Minichini L, Aiello ML, Trio R, Rossetti G, Guida B. Short-Term Changes in Body Composition and Response to Micronutrient Supplementation After Laparoscopic Sleeve Gastrectomy. *Obes Surg*. 2015; 25(12):2344-51.
23. Guida B, Germanò R, Trio R, Russo D, Memoli B, Grumetto L, Barbato F, **Cataldi M**. Effect of short-term synbiotic treatment on plasma p-cresol levels in patients with chronic renal failure: A randomized clinical trial. *Nutr Metab Cardiovasc Dis*. 24(9):1043-9
24. Riccio E, **Cataldi M**, Minco M, Argentino G, Russo R, Brancaccio S, Memoli A, Grumetto L, Postiglione L, Guida B, Memoli B Evidence that p-cresol and IL-6 are adsorbed by the HFR cartridge: towards a new strategy to decrease systemic inflammation in dialyzed patients? *PLoS One* 2014; 9(4):e95811.
25. Cuomo O, Rispoli V, Leo A, Politi GB, Vinciguerra A, di Renzo G, **Cataldi M**. The antiepileptic drug levetiracetam suppresses non-convulsive seizure activity and reduces ischemic brain damage in rats subjected to permanent middle cerebral artery occlusion. *PLoS One*. 2013; 8(11):e80852.
26. Guida B, Napoleone A, Trio R, Nastasi A, Balato N, Laccetti R, **Cataldi M**. Energy-restricted, n-3 polyunsaturated fatty acids-rich diet improves the clinical response to immuno-modulating drugs in

- obese patients with plaque-type psoriasis: a randomized control clinical trial. *Clin Nutr.* 2013; 33(3):399-405.
27. Sabbatini M, Apicella L, **Cataldi M**, Maresca I, Nastasi A, Vitale S, Memoli B, Postiglione L, Riccio E, Gallo R, Federico S, Guida B Effects of a diet rich in n-3 polyunsaturated fatty acids on micro-inflammation in renal transplant recipients. *J Am Coll Nutr* 2013; 32(6):375-83.
 28. Guida B, **Cataldi M**, Maresca ID, Germanò R, Trio R, Nastasi AM, Federico S, Memoli A, Apicella A, Memoli B, Sabbatini M. Dietary Intake as a Link between Obesity, Systemic Inflammation, and the Assumption of Multiple Cardiovascular and Antidiabetic Drugs in Renal Transplant Recipients. *BioMed Research International.* 2013, Article ID 363728,
 29. Guida B, **Cataldi M**, Riccio E, Grumetto L, Pota A, Borrelli S, Memoli A, Barbato F, Argentino G, Salerno G, Memoli B Plasma p-Cresol Lowering Effect of Sevelamer in Peritoneal Dialysis Patients: Evidence from a Cross-Sectional Observational Study. *Plos One* 2013 ; 8 (8), e73558
 30. Sirabella R., Secondo A., Pannaccione A., Molinaro P., Formisano L., Guida N., Di Renzo G, Annunziato L., **Cataldi M**. ERK1/2, p38, and JNK regulate the expression and the activity of the three isoforms of the Na⁺/Ca²⁺-exchanger, NCX1, NCX2, and NCX3, in neuronal PC12 cells. *J. Neurochem.* 2012 ; 122(5):911-22.
 31. Cosimelli B., Severi E; Novellino E; Cavaccini, A; **Cataldi M**, Budriesi R; Micucci M; Chiarini A., Ioan P. Preliminary Finding on a New Calcium Channel Entry Blocker Chemotype: 5,6-Diamino-4-hydroxy-2-mercaptopyrimidine Derivatives. *J. Med Chem* 2011; 54(15): 5597-601.
 32. **Cataldi M**, Panuccio G, Cavaccini A, D'Antuono M, Tagliatela M, Avoli M. Involvement of inward rectifier and M-type currents in carbachol-induced epileptiform synchronization. *Neuropharmacology* 2011 ; 60(4):653-61.
 33. Castaldo P, Magi S, **Cataldi M**, Arcangeli S, Lariccia V, Nasti AA, Ferraro L, Tomasini MC, Antonelli T, Cassano T, Cuomo V, Amoroso S. Altered regulation of glutamate release and decreased functional activity and expression of GLT1 and GLAST glutamate transporters in the hippocampus of adolescent rats perinatally exposed to Delta(9)-THC. *Pharmacol Res.* 2010; 61(4):334-41
 34. Rimoli MG, Russo E, **Cataldi M**, Citraro R, Ambrosino P, Melisi D, Curcio A, De Lucia S, Patrignani P, De Sarro G, Abignente E. T-type channel blocking properties and antiabsence activity of two imidazo[1,2-b]pyridazine derivatives structurally related to indomethacin. *Neuropharmacology* 2009; 56(3):637-46.
 35. Bifulco K, Longanesi-Cattani I, Gargiulo L, Maglio O, **Cataldi M**, De Rosa M, Stoppelli MP, Pavone V, Carriero MV. An urokinase receptor antagonist that inhibits cell migration by blocking the formyl peptide receptor. *FEBS Lett.* 2008; 582(7):1141-6.
 36. **Cataldi M**, Lariccia V, Marzaioli V, Cavaccini A, Curia G, Viggiano D, Canzoniero LM, di Renzo G, Avoli M, Annunziato L. Zn(2+) slows down Ca(V)3.3 gating kinetics: implications for thalamocortical activity. *J Neurophysiol.* 2007; 98(4):2274-84.
 37. Secondo A, Pannaccione A, **Cataldi M**, Sirabella R, Formisano L, Di Renzo G, Annunziato L. Nitric oxide induces [Ca²⁺]_i oscillations in pituitary GH3 cells: involvement of IDR and ERG K⁺ currents. *Am J Physiol Cell Physiol.* 2006 ; 290(1):C233-43.
 38. **Cataldi M**, Lariccia V, Secondo A, di Renzo G, Annunziato L. The antiepileptic drug Levetiracetam decreases the IP3-Dependent [Ca²⁺]_i increase induced by ATP and BK in PC12 cells. *J Pharmacol Exp Ther.* 2005 ; 313(2):720-30.

39. **Cataldi M**, Gaudino A, Lariccia V, Russo M, Amoroso S, Di Renzo G, Annunziato L Imatinib-mesylate blocks recombinant T-type calcium channels expressed in human embryonic kidney-293 cells by a protein tyrosine kinase-independent mechanism. *J Pharmacol Exp Ther*. 2004; 309(1):208-15.
40. **Cataldi M**, Perez-Reyes E, Tsien RW Differences in apparent pore size of low and high voltage activated Ca^{2+} channels. *J Biol Chem*. 2002; 277(48): 45969-45976 .
41. Secondo A, Tagliatela M, **Cataldi M**, Giorgio G, Valore M, Di Renzo GF, Annunziato L. Pharmacological blockade of ERG^{K^+} channels and Ca^{2+} influx through store-operated channels exerts opposite effects on intracellular Ca^{2+} oscillations in pituitary $\text{G}_{\text{H}3}$ cells. 2000; *Mol Pharmacol* 58:1115-1118.
42. Amoroso S, Gioielli A, **Cataldi M**, Di Renzo G, Annunziato L. In the neuronal cell line SH-SY5Y, oxidative stress-induced free radical overproduction causes cell death without any participation of intracellular Ca^{2+} increase. *Biochim Biophys Acta* 1999; 1452(2):151-160.
43. **Cataldi M**, Secondo A, D'Alessio A, Tagliatela M, Hofmann F, Klugbauer N, di Renzo GF, Annunziato L. Studies on maitotoxin-induced intracellular Ca^{2+} elevation in CHO cells stably transfected with cDNAs encoding for L-type Ca^{2+} channel subunits. *J Pharmacol Exp Ther* 1999 ; 290(2): 725-730
44. **Cataldi M**, Tagliatela M, Palagiano F, Secondo A, De Capraris P, Amoroso S, di Renzo GF, Annunziato L Effect of Manidipine and Nitrendipine enantiomers on the plateau phase of K^+ -induced intracellular Ca^{2+} increase in $\text{G}_{\text{H}3}$ cells. *Eur J Pharmacol* 1999 ; 376(1-2):169-78.
45. **Cataldi M**, Secondo A, D'Alessio A, Sarnacchiaro F, Colao AM, di Renzo GF, Annunziato L Involvement of type I phosphodiesterase in intracellular Ca^{2+} oscillations in pituitary $\text{G}_{\text{H}3}$ cells. *Biochem Biophys. Acta* 1999; 1449:186-93.
46. Colao A, Di Sarno A, Landi ML, Cirillo S, Sarnacchiaro F, Faccioli G, Pivonello R, **Cataldi M**, Merola B, Annunziato L, Lombardi G. Long-term and low-dose treatment with cabergoline induces macroprolactinoma shrinkage. *J Clin Endocrin Metab* 1997; 82: 3574-79.
47. **Cataldi M**, Tagliatela M, Guerriero S, Amoroso S, Lombardi G, Annunziato L. Protein-tyrosine kinases activate while protein-tyrosine phosphatases inhibit L-type calcium channel activity in pituitary $\text{G}_{\text{H}3}$ cells. *J Biol Chem* 1996; 271: 9441-6.
48. Di Renzo GF, Amoroso S, Bassi A, Fatatis A, **Cataldi M**, Colao AM, Lombardi G, Annunziato L. Role of the $\text{Na}^+/\text{Ca}^{2+}$ and Na^+/H^+ antiporters in prolactin release from anterior pituitary cells in primary culture. *Eur J Pharmacol* 1995; 294:11-5.
49. Magnan E, Mazzocchi L, **Cataldi M**, Guillaume V, Dutour A, Dadoun F, Lebouc Y, Sauze N, Renard M, Conte-Devolx B, Oliver C Effect of actively immunizing sheep against growth hormone and somatostatin on spontaneous pulsatile and neostigmine-induced growth hormone secretion. *J Endocrinol* 1995; 144:83-90.
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“Autorizzo il trattamento dei miei dati personali ai sensi del D.Lgs. 196/2003 e del Regolamento UE n. 2016/679”

Napoli, 31/03/2022