

CURRICULUM VITAE

Family name: Cantarella

First name: Giuseppina

Date of Birth: July 22, 1966

Place of Birth: Catania, Italy

Citizenship: Italian

Marital Status: Single

Home address: via Alberto Mario 51, I-95129 Catania

Actual position: Associate Professor of Pharmacology BIO/14

Work address: Department of Biomedical and Biothechnological Sciences, University of Catania School of Medicine, Viale Andrea Doria, 6 I-95125 Catania

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EDUCATION

-Classical High School Diplom, 1985

-Medical Students Internship in Pharmacology 1990-92

-M.D. degree, University of Catania School of Medicine, Catania, Italy. *Magna cum Laude*, October 1992

-Physician Licence, University of Catania School of Medicine, Catania, Italy. December 1992

-Specialist in Clinical Pathology, University of Catania School of Medicine, Catania, Italy.

Magna cum Laude october 1998.

- PhD in Immunopharmacology, University of Palermo and University of Catania, Italy 2003

POSITIONS HELD

Visiting Fellow, Department of Biological Chemistry, Weizmann Institute of Science, Rehovot, Israel, 1997- 2002.

Lecturer of Pharmacology, University of Catania School of Medicine, Catania, Italy 2003

Resercher , Etna Biotech srl, Catania, Italy 2002-2006

Resercher of Pharmacology, University of Catania School of Medicine, Catania, Italy 2006-2014

Associate Professor of Pharmacology, University of Catania School of Medicine, Catania, Italy 2015

SCIENTIFIC RESEARCH ACTIVITIES AT ITALIAN AND FOREIGNER INSTITUTIONS

Visiting Fellow, Department of Biological Chemistry, The Weizmann Institute of Science, Rehovot, Israel (Prof. David Wallach), 1997- 2002

Researcher, Etna Biotech srl, Catania, 2002-2006

Visiting Researcher, Berna Biotech, Berna, Svizzera, april-may 2004, e march 2006.

AWARDS AND GRANTS

Barbagallo-Sangiorgi Award for Medical Diplomates, University of Catania School of Medicine 1992

CNR Grant for Young Researchers, 1996

Grant for Young Researchers University of Catania 1999

Fellowship, The Weizmann Institute of Science, Rehovot, Israel 1997- 2002.

KNOWLEDGE OF LANGUAGES

English spoken (fair), written (sufficient) and read (good); French read and listened (good); spoken: sufficient.

ACADEMIC POSITION

Lecturer of Pharmacology, School of Medicine, University of Catania, Italy, 2003-2004

Lecturer of Clinical Pharmacology School of Medicine, University of Catania, section of Ragusa, Italy, 2006- 2009

Lecturer of Pharmacology School of Medicine, University of Catania, section of Ragusa, Italy, 2007- 2009

Lecturer of Pharmacology School of Medicine, University of Catania, Italy, 2009-2011

Lecturer of Clinical Pharmacology, School of Medicine, University of Catania, Italy, 2008-2011

Lecturer of Clinical Pharmacology, School of Medicine, University of Catania, Italy, 2011-2012

Lecturer Pharmacology, School of Science, University of Catania, Italy, 2012-present

Lecturer of Clinical Pharmacology, School of Medicine, University of Catania, Italy, 2013-2014

Lecturer of Toxicology, School of Specialization in Medical Toxicology, School of Medicine, University of Catania, Italy, 2007-present

Lecturer of Environmental Toxicology School of Specialization in Medical Toxicology, School of Medicine, University of Catania, Italy, 2008-present

Lecturer of Pharmacology School of Specialization in Forensic Medicine, School of Medicine, University of Catania, Italy, 2009-present

Lecturer of Pharmacology School of Specialization in Gastroenterology, School of Medicine, University of Catania, Italy, 2009-present

PhD Tutor PhD Program in Preclinical and Clinical Pharmacology, School of Medicine, University of Catania, Italy, 2008-2009

PhD Tutor PhD Program in Neuroscience, School of Medicine, University of Catania, Italy, 2010-2013

Tutor of Master program in Discipline of Drug Regulatory, 20012-2013

Tutor of Master program in Biotechnology Applied to Medicine and Toxicological Forensic Sciences, 2012-2013

Lecturer of Training Project "Hippocrates" University of Catania, Italy, 2013-2014

Member of Institutional Animal Care and Use Committee (**IACUC**) and (**OPBA**) University of Catania, 2008- present

REFEREE ACTIVITIES

- Current Alzheimer Research (Member of Editorial Board)
- Journal of Cellular and Molecular Medicine;
- Biochemical Pharmacology;
- Regulatory Peptides;

Referee for National Projects MIUR **Futuro in Ricerca 2012**.

Referee for National Projects MIUR **SIR 2014**.

INVITED SPEAKER AT NATIONAL AND INTERNATIONAL MEETINGS

Effetti proangiogenici del **Nerve Growth Factor** in: 26° Congresso Nazionale della Società Italiana di Patologia. Catania, 29 settembre - 2 ottobre 2002

Ligandi e recettori della famiglia TNF/NGF come mediatori di neurotossicità in: XV Congresso Associazione Italiana di Immunofarmacologia, con il patrocinio della S.I.F. - Società Italiana di Farmacologia, Catania, 28-30 novembre 2002

Proapoptotic cytokines in Alzheimer's disease in: 3rd International Summer School in Neuropharmacology. Neurodegenerative diseases: from molecular biology to pharmacological treatment. Catania 2-8 luglio, 2005

Meccanismi infiammatori nella neurodegenerazione in: ECM Scuola di Formazione Continua in Medicina: Le Demenze dai meccanismi patogenetici alla prevenzione. Campobasso, 5 dicembre 2008

Cytokines as therapeutic target in neurodegenerative disorders in: Congresso Panamericano di Psiconeuroimmunoendocrinologia/Incontro Latino-americano di psicoterapia, Montevideo, Uruguay, ottobre 2008

Approcci terapeutici innovativi nella malattia di Alzheimer in: Corso nazionale di aggiornamento delle Scienze Neurologiche Ospedaliere: Deterioramento cognitivo. Modica (RG), marzo 2008

Clinical Toxicology and Antidotes. 23rd Annual Meeting European and Mediterranean School of Intensive and Critical Care (APICE) Catania, 5-7 Novembre 2010

Role of TRAIL in neurodegeneration. XIV Congress of the Italian Society for Neuroscience (SINS), 1st joint meeting with the Israel Society for Neuroscience, Catania 19-22 aprile 2012

Network Analysis in system pharmacology. Lipari School on Bioinformatics and Computational Biology Jacob T. Schwartz International School for Scientific Research. Lipari 7-14 luglio 2012

Ischemic tolerance modulates TRAIL expression and its receptors and generates a neuroprotected phenotype. *The 22nd ISFN Annual Meeting 2013 - Second Binational Italy-Israel Neuroscience Meeting. Eilat, Israele, 14-17 Dicembre, 2013*

Docente **su invito dell'Istituto Superiore di Sanità** al Corso di formazione "*Dai segni clinici al sospetto di doping: ruolo del medico dello sport e dello SNAD*", Caltanissetta 12 giugno 2014

SCIENTIFIC AFFILIATIONS

Associazione Italiana di Immunofarmacologia 1995 -2010

Società Italiana di Farmacologia 2007-present

Society for Neuroscience 2008- present

Società Italiana di Neuroscienze, 2011-present

SEMINARS AND CONGRESSES

Member of the Organizing Committee of the 11th National Congress of the Italian Association of Immunopharmacology, Taormina, September 28-30, 1995

Member of te Organizing Committee of the International Seminar "Air Pollution: Sources, control and Effects", Catania, October 19-20, 1995

Member of the Organizing Committee for the Symposium of the European School of Molecular Medicine "Cytokines as Targets for Therapeutic Intervention", Catania, November 27-29, 1996

Member of the Scientific Secretariat of the 15th Congress of the National Association of Immunopharmacology, Catania, November 29- 30, 2002

Scientific Secretariat of XIV Congress of the Italian Society for Neuroscience (SINS), 1st joint meeting with the Israel Society for Neuroscience, Catania 19-22 aprile 2012

Organizing Committee of the second joint meeting SINS with the Israel Society for Neuroscience (ISFN), Eilat 2014, israel

THESIS, MD

Cantarella G. 1992 Feedback neuroendocrinoimmunologico e invecchiamento. Dati sperimentali nel ratto.

THESIS, SPECIALIZATION IN CLINICAL PATHOLOGY

Cantarella G. 1998 Nerve growth factor e tumori mammari: aspetti sperimentali in una linea cellulare umana.

THESIS, PhD

Cantarella G. 2003 TNF receptor family-related signal transduction

PUBLICATIONS ON PEER-REVIEWED JOURNALS

1. Di Benedetto G, Saccone S, Lempereur L, Ronsisvalle N, Nocentini G, Bianchini R, Riccardi C, Bernardini R, **Cantarella G.** 2017 The proinflammatory cytokine GITRL contributes to TRAIL-mediated neurotoxicity in the HCN-2 human neuronal cell line. Curr Alzheimer Res. [Epub ahead of print]

2. Pasquinucci L, Turnaturi R, Prezavento O, Arena E, Aricò G, Georgoussi Z, Parenti R, **Cantarella G.**, Parenti C. 2017 Development of novel LP1-based analogues with enhanced delta opioid receptor profile. Bioorg Med Chem. 2017 Jul 11. pii: S0968-0896(17)31128-8. [Epub ahead of print]

3. **Cantarella G**, Di Benedetto G, Puzzo D, Privitera L, Loreto C, Saccone S, Giunta S, Palmeri A, Bernardini R. **2015** Neutralization of TNFSF10 ameliorates functional outcome in a murine model of Alzheimer's disease. *Brain*. 138: 203-216.
4. **Cantarella G**, Pignataro G, Di Benedetto G, Anzilotti S, Vinciguerra A, Cuomo O, Di Renzo GF, Parenti C, Annunziato L, Bernardini R. **2014** Ischemic tolerance modulates TRAIL expression and its receptors and generates a neuroprotected phenotype. *Cell Death Dis* 5:e1331
5. Ronsisvalle N, Di Benedetto G, Parenti C, Amoroso S, Bernardini R, **Cantarella G**. **2014** The anti-inflammatory, γ -secretase modulating compound CHF5074 protects SH-SY5Y human neuronal-like cells from amyloid-beta 35-45 and Tumor Necrosis Factor Related Apoptosis Inducing Ligand toxicity in vitro. *Curr Alzheimer Res* 11:714-724.
6. **Cantarella G**, Di Benedetto G, Ribatti D, Sacconi-Jotti G, Bernardini R. **2014** Involvement of caspase 8 and c-FLIPL in the proangiogenic effects of the tumour necrosis factor-related apoptosis-inducing ligand (TRAIL). *FEBS J*. 281:1505-1513.
7. Parenti C, Marrazzo A, Aricò G, **Cantarella G**, Prezavento O, Ronsisvalle S, Scoto GM, Ronsisvalle G. **2014** Effects of a Selective Sigma 1 Antagonist Compound on Inflammatory Pain. *Inflammation*. 37:261-266
8. Gulino FA, Giuffrida E, Leonardi E, **Cantarella G**, Bernardini R, Palumbo MA **2014** Comparison between serum levels of Nerve Growth Factor (NGF) in women with infertility of different etiopathogenesis undergoing to an IVF cycle. *Giornale Italiano di Ostetricia e Ginecologia* 36:154-56
9. Palumbo MA, Giuffrida E, Gulino FA, Leonardi E, **Cantarella G**, Bernardini R. **2013** Nerve growth factor (NGF) levels in follicular fluid of infertile patients undergoing to in vitro fertilization (IVF) cycle. *Gynecol Endocrinol*. 29 :1002-1004
10. Guarino F, **Cantarella G**, Caruso M, Russo C, Mancuso S, Arcidiacono G, Cacciola RR, Bernardini R, Polosa R **2011** Endothelial activation and injury by cigarette smoke exposure. *J Biol Regul Homeost Agents*. 25: 259-
11. Scuderi MR, **Cantarella G**, Scollo M, Lempereur L, Palombo M, Sacconi-Jotti G, Bernardini R. **2011** The antimitogenic effect of the cannabinoid receptor agonist WIN 55212-2 on human melanoma cells is mediated by the membrane lipid raft. *Canc Lett* 310: 240-249
12. **Cantarella G**, Scollo M, Lempereur L, Sacconi-Jotti G, Basile F, Bernardini R **2011** Endocannabinoids inhibit release of nerve growth factor by inflammation-activated mast cells. *Biochem Pharmacol*. 82: 380-388
13. **Cantarella G**, Di Benedetto G, Scollo M, Paterniti I, Cuzzocrea S, Bosco P, Nocentini G, Riccardi C, Bernardini R **2010** Neutralization of Tumor Necrosis Factor Related Apoptosis

inducing Ligand (TRAIL) reduces spinal cord injury damage in mice. ***Neuropsychopharmacology***. 35:1302-1314

14. Praticò AD, Pavone P, Scuderi MR, Li Volti G, Bernardini R, **Cantarella G**, Pavone L **2009** Symptomatic hypocalcemia in an epileptic child treated with valproic acid plus lamotrigine: a case report. ***Cases Journal***. 2:7394-7397

15. Luca T, Di Benedetto G, Scuderi MR, Palumbo M, Clementi S, Bernardini R, **Cantarella G** **2009** The CB(1)/CB(2) receptor agonist WIN-55,212-2 reduces viability of human Kaposi's sarcoma cells in vitro. ***Eur J Pharmacol***. 616:16-21

16. **Cantarella G**, Di Benedetto G, Martinez G, Clementi S, Prato A, Bernardini R **2009** Amylin prevents TRAIL-mediated apoptotic effects of reserpine in the rat gastric mucosa. ***Peptides***. 30:1466-1472

17. **Cantarella G**, Liniger M, Zuniga A, Schiller JT, Billeter M, Naim HY, Glueck R. **2009** Recombinant measles virus-HPV vaccine candidates for prevention of cervical carcinoma. ***Vaccine***. 27:3385-3390.

18. Scuderi MR, Anfuso CD, Lupo G, Motta C, Romeo L, Guerra L, Cappellani A, Ragusa N, **Cantarella G**, Alberghina M **2008** Expression of Ca(2+)-independent and Ca(2+)-dependent phospholipases A(2) and cyclooxygenases in human melanocytes and malignant melanoma cell lines. ***Biochim Biophys Acta***. 1781:635-642.

19. Brambilla D, Mancuso C, Scuderi MR, Bosco P, **Cantarella G**, Lempereur L, Di Benedetto G, Pezzino S, Bernardini R. **2008** The role of antioxidant supplement in immune system, neoplastic, and neurodegenerative disorders: a point of view for an assessment of the risk/benefit profile. ***Nutr J***. 7:29-38

20. Martinez G, Costantino G, Clementi A, Puglia M, Clementi S, **Cantarella G**, Matera M **2008** Cisplatin-induced kidney injury in the rat: L-carnitine modulates the relationship between MMP-9 and TIMP-3. ***Exp Toxicol Pathol***, 61:183-188

21. **Cantarella G**, Di Benedetto G, Pezzino S, Risuglia N, Bernardini R **2008** TRAIL-related neurotoxicity implies its interaction with the WNT pathway in human neuronal cells *in vitro*. ***J Neurochem***, 105:1915-1923

22. Bigini P, Repici M, **Cantarella G**, Fumagalli E, Barbera S, Cagnotto A, De Luigi A, Tonelli R, Bernardini R, Borsello T, Mennini T. **2008** Recombinant human TNF-binding protein-1 (rhTBP-1) treatment delays both symptoms progression and motor neuron loss in the wobbler mouse. ***Neurobiol Dis***. 29:465-476

23. **Cantarella G**, Bucolo C, Di Benedetto G, Pezzino S, Lempereur L, Calvagna R, Clementi S, Pavone P, Fiore L, Bernardini R. **2007** Protective effects of the sigma agonist Pre-084 in the rat retina. ***Br J Ophthalmol***. 91:1382-1384. **IF: 2.68**

24. **Cantarella G**, Martinez G, Di Benedetto G, Loreto C, Musumeci G, Prato A, Lempereur L, Matera M, Amico-Roxas M, Bernardini R, Clementi G **2007** Protective effects of amylin on reserpine-induced gastric damage in the rat *Pharmacol Res.* 56: 27-34
25. **Cantarella G**, Lempereur L, D'Alcamo MA, Risuglia N, Cardile V, Pennisi G, Scoto GM, Bernardini R. **2007** TRAIL interacts redundantly with nitric oxide in rat astrocytes: potential contribution to neurodegenerative processes. *J Neuroimmunol.* 182:41-47.
26. **Cantarella G**, Cantarella R, Caltabiano M, Risuglia N, Bernardini R, Leopardi R. **2006** Levels of matrix metalloproteinases 1 and 2 in human gingival crevicular fluid during initial tooth movement. *Am J Orthod Dentofacial Orthop.* 130:568.e11-16.
27. **Cantarella G**, Risuglia N, Dell'eva R, Lempereur L, Albini A, Pennisi G, Scoto GM, Noonan DN, Bernardini R **2006** TRAIL inhibits angiogenesis stimulated by VEGF expression in human glioblastoma cells. *Br J Cancer.* 94:1428-1435.
28. **Cantarella G**, Martinez G, Cutuli VM, Loreto C, D'Alcamo M, Prato A, Amico-Roxas M, Bernardini R, Clementi G **2005** Adrenomedullin modulates COX-2 and HGF expression in reserpine-injured gastric mucosa in the rat. *Eur J Pharmacol.* 518:221-226.
29. Uberti D, **Cantarella G**, Facchetti F, Cafici A, Bernardini R, Memo M **2004** Expression of tumour-necrosis-factor-related apoptosis-inducing ligand (TRAIL) in brain cells of Alzheimer's disease patients. *Neuroreport*, 15:579-58.
30. Martinez G, **Cantarella G**, Cutuli VM, Loreto C, Prato A, Lempereur L, Carnazza ML, Amico-Roxas, M, Bernardini R, Clementi G. **2003** Effect of adrenomedullin on c-Met receptor expression after reserpine-induced gastric damage in the rat. *Eur J Pharmacol*, 488:219-224
31. **Cantarella G**, Risuglia N, Lombardo G, Lempereur L, Nicoletti F, Memo M, Bernardini R **2003** Protective effects of estradiol on TRAIL-induced apoptosis in a human oligodendrocytic cell line: evidence for multiple sites of interactions. *Cell Death Diff*, 11:503-11.
32. Kovalenco AV, Chable-Blessia C, **Cantarella G**, Israel A, Wallach D, Courtois G **2003** Tumor suppressor CYLD is a NEMO-and TRAF2-binding deubiquitinating enzyme that negatively regulates NF-kB signalling. *Nature*, 424:801-805.
33. Lempereur L, Brambilla D, Scoto GM, D'Alcamo M, Goffin V, Crosta L, Palmucci T, Rampello L, Bernardini R, **Cantarella G** **2003** Growth hormone protects human lymphocytes from irradiation-induced cell death. *Br J Pharmacol*, 138:1411-1416
34. **Cantarella G**, Uberti D, Carsana T, Lombardo G, Bernardini R, Memo M **2003** Neutralization of TRAIL death pathway protects human neuronal cell line from β -amyloid toxicity. *Cell Death Diff*, 10:134-141

35. **Cantarella G**, Lempereur L, Presta M., Ribatti D, Lombardo G, Zappalà G, Pafumi C, Bernardini R. **2002** Nerve Growth Factor- Endothelial cell interaction leads to angiogenesis *in vitro* and *in vivo*. **FASEB J**, 16:1307-1309
36. Wallach D, Arumugam TU, Boldin MP, **Cantarella G**, Ganesh KA, Goltsev Y, Goncharov TM, Kovalenko AV, Rajput A, Varfolomeev EE, Zhang S. **2002** How are the regulators regulated? The search for mechanisms that impose specificity on induction of cell death and NF-kappaB activation by members of the TNF/NGF receptor family. **Arthritis Res**, 3:S189-96
37. **Cantarella G**, Lempereur L, Lombardo G, Chiarenza A, Pafumi C, Zappalà G, Bernardini R. **2001** Divergent effects of corticotropin releasing hormone (CRH) on endothelial cell inducible nitric oxide synthase are associated with different expression of CRH type 1 and 2 receptors. **Br J Pharmacol**, 134: 837-844
38. Chiarenza A, Lazarovici P, Lempereur L, **Cantarella G**, Bianchi A, Bernardini R. **2001** Tamoxifen inhibits nerve growth factor-induced proliferation of the human breast cancerous cell line MCF-7. **Cancer Res**. 61:3002-30082
39. Bernardini R, Johnson EO, Kamilaris T, Chiarenza A, **Cantarella G**, Calogero AE, Lempereur L, Chrousos GP, Giuffrida R, Gold PW **2001** Increased ACTH and cortisol secretion after interleukin-1-alpha injection in the common marmoset (*Callithrix Jacchus Jacchus*) **Life Sci**, 68:1657-1665
40. Chiarenza A, Lempereur L, Palmucci T, **Cantarella G**, Amico-Roxas M., Goffin V, Murabito P, Magro G, Bernardini R **2000** Responsiveness of irradiated rat anterior pituitary cells to hypothalamic releasing hormones is restored by treatment with growth hormone. **Neuroendocrinology**, 72:392-399
41. Zhang SQ, Kovalenko A, **Cantarella G**, Wallach D. **2000** Recruitment of the IKK signalosome to the p55 TNF receptor: RIP and A20 bind to NEMO (IKK γ) upon receptor stimulation. **Immunity**, 12: 301-311
42. Lempereur L, Chiarenza A, **Cantarella G**, Fiore L, Zappalà G, Bernardini R. **1999** Thymic hormones, cancer, and behavioral adaptation response. **Ann Med**, 31:40-45
43. Chiarenza A, Lempereur L, **Cantarella G**, Barbera N, Maugeri M, Scapagnini U, Bernardini R. **1995** The phospholipid drug glyceryl-phosphoryl-O-serine modulates pituitary adrenocorticotropin and hypothalamic corticotropin releasing hormone in vitro secretion in the aging rat. **Pharmacol. Toxicol.**, 76:63-67.
44. Chiarenza A, Iurato MP, Barbera N, Lempereur L, **Cantarella G**, Scapagnini G, Scapagnini U, and Bernardini R. **1994** Effects of Pidotimod on the immune and neuroendocrine system in the aging rat. **Arzneimitt. Forschung.**, 44:1437-40.
45. Chiarenza A, Barbera N, Lempereur L, **Cantarella G**, Scapagnini U, Scapagnini G, and Bernardini R. **1994** Effects of pidotimod on the immune adrenal feedback in the aging rat. **Neuroendocrinol. Lett.** 16:47-54.

46. Chiarenza A, Iurato MP, Barbera N, Lempereur L, **Cantarella G**, Scapagnini U, Bernardini R. **1994** Modulating effects of the synthetic thymic dipeptide pidotimod on the immune system in the aging rat. *Pharmacol. Toxicol.* 74:18-22.
47. Iurato MP, Chiarenza A, Barbera N, **Cantarella G**, Lempereur L, Drago F, Scapagnini U, and Bernardini R. **1993** Thymic factors influence on behavior in rodents. *Phar. Biochem. Behav.*, 44:665-671.
48. Bernardini R, Chiarenza A, Barbera N, **Cantarella G**, Iurato MP, Mauceri G. **1992** Relevance of neuroendocrine-immune interactions. *Pharmacol Res.* 2 :68-9.

ABSTRACTS ON PEER-REVIEWED JOURNALS

1. **Cantarella G**, Di Benedetto G, Pezzino S, Bernardini R (2011). Tumor Necrosis Factor-Related Apoptosis Inducing Ligand signal transduction in neurodegenerative processes. **Advance in Experimental Medicine and Biology**, vol. 691, p. 811, ISSN: 0065-2598
2. Di Benedetto G, **Cantarella G**, Bernardini R (2009). TRAIL Inhibits angiogenesis stimulated by VEGF expression in human glioblastoma cells. **Basic & Clinical Pharmacology & Toxicology**, vol. 105, p. 111, ISSN: 1742-7835
3. Wallach D, Boldin M, **Cantarella G**, Goltsev Y, Goncharov T, Kovalenko A, Leu S, Malinin N, Schuchmann M, Varfolomeev E, and Zhang SQ (2000). Signaling pathways activated by receptors of the TNF/NGF receptor family. Solving a Pirandello play. **Scandinavian Journal of Immunology**, vol. 51, ISSN: 0300-947
4. Chiarenza A, Iurato MP, Barbara N, **Cantarella G**, Mauceri G, Bernardini R (1992). Decreased in vitro ACTH secretion in the lewis rat is associated to defective cyclic AMP accumulation. **Pharmacological Research** vol. 26 suppl 1, ISSN: 1043-661

EDITOR ABSTRACT BOOK

1. XI Congresso Nazionale dell'Associazione Italiana di Immunofarmacologia. Bernardini R. ed., con la collaborazione di **Cantarella G.**, Chiarenza A., Fiore L., Lempereur L.. Taormina, 28-30 settembre **1995** (Abstract book).
2. Air Pollution: Sources, Control and Effects. Bernardini R. and Lanzafame R. eds., **Cantarella G.**, Chiarenza A., Lempereur L. co-eds. Catania, 19-20 ottobre **1995**. (Abstract Book).
3. XV Congresso Associazione Nazionale di Immunofarmacologia, Catania 29-30 novembre **2002** (abstract book)
4. SINS 2012, XIV Congress of the Italian Society of Neuroscience; 1st Joint Meeting with the Israel Society for Neuroscience, Catania, april 19-22, **2012** (Abstract Book)

PATENTS

1. patent number: US07745579

Inhibitor of NF-KB activation. United States Patent and Trademark Office Granted Patent (Depositato), June 2010

2. patent number:US0129493

Combined Measles-Human Papilloma Vaccine. Patent Cooperation Treaty Pending (Application), July 2010

3. patent number: EP2280728

Combined Measles-Human Papilloma Vaccine. European Patent Pending (Application), February 2011