

**FORMATO EUROPEO
PER IL CURRICULUM
VITAE**



INFORMAZIONI PERSONALI

Nome
Indirizzo
Telefono
Fax
E-mail
Nazionalità
Data di nascita

BITTO ALESSANDRA

abitto@unime.it

Italiana

26 AGOSTO 1979

ESPERIENZA LAVORATIVA

- Date (2014-adesso)
- Nome e indirizzo del datore di lavoro
 - Tipo di azienda o settore
 - Tipo di impiego
- Principali mansioni e responsabilità

PROFESSORE ASSOCIATO – L. 240/10 – SETTORE BIO/14 FARMACOLOGIA

Università degli studi di Messina

Università

Tempo pieno

Ricerca, didattica

- Date (2011-2014)
- Nome e indirizzo del datore di lavoro
 - Tipo di azienda o settore
 - Tipo di impiego
- Principali mansioni e responsabilità

Ricercatore tempo determinato – L. 230/05 – settore BIO/14 farmacologia

Università degli studi di Messina

Università

Tempo pieno

Ricerca, didattica

- Date (2011-adesso)
- Nome e indirizzo del datore di lavoro
 - Tipo di azienda o settore
 - Tipo di impiego
- Principali mansioni e responsabilità

Dirigente medico tempo determinato –

UOS Tossicologia, monitoraggio farmaci e sostanze d'abuso c/o AOU G. Martino, via C Valeria, Messina

Azienda Ospedaliera

Tempo pieno

Dosaggio farmaci e sostanze d'abuso

ISTRUZIONE E FORMAZIONE

- Date (2008-2010)
- Nome e tipo di istituto di istruzione o formazione
 - Qualifica conseguita

Dottorato di Ricerca in Medicina Sperimentale

Università di Modena e Reggio Emilia

Dottore di Ricerca

- Date (2003-2007)
- Nome e tipo di istituto di istruzione o formazione
 - Qualifica conseguita

Specializzazione in Farmacologia Clinica 50/50 E LODE

Università degli studi di Messina

Specialista in Farmacologia Clinica

- Date (1997-2003)

Laurea in Medicina e Chirurgia 110 E LODE

- Nome e tipo di istituto di istruzione o formazione
Università degli studi di Messina
- Qualifica conseguita
Medico Chirurgo

CAPACITÀ E COMPETENZE

PERSONALI

Acquisite nel corso della vita e della carriera ma non necessariamente riconosciute da certificati e diplomi ufficiali.

MADRELINGUA

ALTRE LINGUA

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

CAPACITÀ E COMPETENZE

RELAZIONALI

Vivere e lavorare con altre persone, in ambiente multiculturale, occupando posti in cui la comunicazione è importante e in situazioni in cui è essenziale lavorare in squadra (ad es. cultura e sport), ecc.

CAPACITÀ E COMPETENZE

ORGANIZZATIVE

Ad es. coordinamento e amministrazione di persone, progetti, bilanci; sul posto di lavoro, in attività di volontariato (ad es. cultura e sport), a casa, ecc.

CAPACITÀ E COMPETENZE

TECNICHE

Con computer, attrezzature specifiche, macchinari, ecc.

PATENTE O PATENTI

ITALIANO

INGLESE

Eccellente

Eccellente

Eccellente

Capacità di integrarsi in un ambiente lavorativo multiculturale e multidisciplinare, acquisita durante i numerosi periodi di studio trascorsi all'estero, sia pre che post-laurea, svolti in laboratori sia europei che statunitensi.

Capacità di mediazione dei conflitti, sviluppata grazie all'esperienza come rappresentante degli studenti iscritti al Corso di Laurea di Medicina e Chirurgia.

Doti di coordinamento delle risorse umane, orientato alla finalizzazione di progetti di ricerca, sviluppate grazie alla responsabilità nel coordinamento e nella gestione dell'attività di ricerca eseguita nel laboratorio del Prof. Francesco Squadrito (Università degli Studi di Messina)

Capacità di problem management/solving e di revisione delle criticità inerenti l'attività di gruppi di lavoro, maturata nel corso dei tre anni trascorsi come membro del gruppo di verifica sulla qualità della ricerca e della didattica del Dipartimento di Medicina Clinica e Sperimentale dell'Università degli Studi di Messina, gruppo del quale tuttora faccio parte.

Ottima conoscenza dei comuni software di lavoro su piattaforma Microsoft e Mac (Office, Pages, Keynote, Numbers), e nell'utilizzo di GraphPad Prism come software di calcolo statistico; queste abilità sono state sviluppate nel corso dell'attività lavorativa svolta come ricercatrice

Eccellente padronanza nel design e nella conduzione hands-on di protocolli di ricerca pre-clinica, sia in vitro (colture cellulari primarie/secondarie) che in vivo (modelli sperimentali, sia chirurgici che farmacologici, su piccoli roditori da laboratorio).

Ottima padronanza nell'operare con strumenti di laboratorio, quali ad esempio termociclatori, Real-Time PCR, lettori di micropiastre, sistemi di acquisizione dati da gel (agarosio/poliacrilamide).

Patente di guida tipo B.

ULTERIORI INFORMAZIONI

Abilitata nella tornata 2012 alla seconda fascia del settore concorsuale 05/G1.

Abilitata nella tornata 2016 alla prima fascia del settore concorsuale 05/G1.

Nel 2008 è stata vincitrice del Premio Giovane Ricercatore indetto dall'Università di Messina per la produttività scientifica dell'anno 2005.

Sempre nel 2008 le è stato assegnato il Premio SIF per il miglior poster dal titolo "Effects of the phytoestrogen genistein in an experimental model of postmenopausal metabolic syndrome" al XII Seminario Nazionale per Dottorandi in Farmacologia e Scienze affini, tenutosi alla Certosa di Pontignano, Siena, 22-25 Settembre 2008.

Nel novembre 2008 è stata invited speaker al "8th International Symposium on the Role of Soy in Health Promotion and Chronic Disease Prevention and Treatment" tenutosi a Tokyo, Japan, presentando un contributo dal titolo "Effects of Genistein Aglycone on Endometrial Hyperplasia in Premenopausal Women: A Randomized Controlled Trial".

Nel marzo 2009 è stata vincitrice del Young Investigator Award per il miglior poster dal titolo "Genistein aglycone for the management of secondary osteoporosis: an experimental study" assegnato dalla International Osteoporosis Foundation al "International Joint Meeting of the International Osteoporosis Foundation and the International Society for Clinical Densitometry", tenutosi ad Orlando, Florida.

Nel ottobre 2009 ha ricevuto il Premio SIF-Farmindustria, per Ricercatori dell'Accademia per ricerche in Farmacologia.

Nel marzo 2010 è stata vincitrice del Best Clinician Award assegnato dalla International Osteoporosis Foundation durante il convegno "Clinical Osteoporosis 2010" tenutosi a San Antonio, Texas per il contributo dal titolo "Genistein aglycone is effective in reducing bone loss and some predictors of cardiovascular risk in postmenopausal women: a 3-years study."

Sempre nel 2010 le è stato assegnato il Premio SIF per la miglior comunicazione orale dal titolo "Protective effects of melanocortins on short-term changes in a rat model of traumatic brain injury" al XIV Seminario Nazionale per Dottorandi in Farmacologia e Scienze affini, tenutosi alla Certosa di Pontignano, Siena, 20-23 Settembre 2010.

Ad Ottobre 2010 è stata invited speaker al "9th International Symposium on the Role of Soy in Health Promotion and Chronic Disease Prevention and Treatment" svoltosi a Washington, DC, USA; presentando il contributo dal titolo "Effects of Genistein Aglycone on Insulin Resistance and Lipid Metabolism in Postmenopausal Women with Metabolic Syndrome: Preliminary Results from a Randomized Clinical Trial."

Nel 2011 ha vinto il Premio SIF per il miglior poster dal titolo "Polydeoxyribonucleotide (PDRN) reduces HMBG-1 production and the severity of collagen-induced arthritis by stimulation of adenosine A2A receptor" al 35° Congresso della Società Italiana di Farmacologia, tenutosi a Bologna dal 14 al 17 Settembre 2011.

Nel 2013 ha vinto il Travel Grant SISA (Società Italiana Studio Aterosclerosi) al 27° Congresso Nazionale SISA, tenutosi a Roma dal 27 al 29 Novembre 2013.

E' membro della Società Italiana di Farmacologia (SIF), della British Pharmacological Society (BPS), della Società Italiana per lo Studio dell'Aterosclerosi (SISA), della Endocrine Society, della European Atherosclerosis Society (EAS) e della American Heart Association (AHA).

2009: Visiting Fellow presso il Department of Neurosciences della Medical University of South Carolina, Charleston, USA.

2015: Visiting Researcher presso il SAHA Cardiovascular Center della University of Kentucky, Lexington, USA.

Nel 2012 ha ricevuto un finanziamento dall'azienda Straumann per un progetto dal titolo "Evaluation of blood flow variation and angiogenesis in rats with subcutaneous insertions of different Straumann MembraGel compositions" i cui esiti sono stati pubblicati (Tissue Eng Part A. 2015;21(3-4):580-5).

Nel 2013 ha ricevuto un finanziamento dalla Pharmamab s.r.l., spin-off dell'Università di Chieti per valutare gli effetti di una proteina isolata nel loro laboratorio in un modello sperimentale di alterata cicatrizzazione (risultati coperti da secrecy agreement).

Nel 2014 ha ricevuto due finanziamenti dal Ministero della Salute (Ricerca finalizzata bando 2011-2012), uno in qualità di Principal Investigator dal titolo "Use of flavonoids contained in Flavocoxid to reduce vascular damage in an

experimental model of atherosclerosis" (GR-2011-02346946), e l'altro come co-Principal Investigator dal titolo "Metabolic, endocrine, and central effects of genistein aglycone in glucocorticoid-induced osteoporosis" (GR-2011-02351960). Entrambi i progetti sono ancora in corso di svolgimento.

I risultati preliminari del progetto GR-2011-02346946 sono stati presentati al congresso mondiale di endocrinologia della Endocrine Society, svoltosi a Boston (USA) dal 1 al 4 aprile 2016.

Titolarietà di Brevetti:

"Methods for treating Duchenne muscular dystrophy with flavonoids", US Patent 61/147,460 (Francesco Squadrito, Alessandra Bitto, Sonia Messina, Giuseppe Vita, Bruce Burnett).

"Composizione per il trattamento dell'infertilità maschile", TO2009000515 (Francesco Squadrito, Letteria Minutoli, Giulia Cattarini, Alessandra Bitto).

PUBBLICAZIONI

1. Squadrito F, Bitto A, Irrera N, Pizzino G, Pallio G, Minutoli L, Altavilla D. Pharmacological Activity and Clinical Use of PDRN. *Front Pharmacol.* 2017; 8:224.
2. Arcoraci V, Atteritano M, Squadrito F, D'Anna R, Marini H, Santoro D, Minutoli L, Messina S, Altavilla D, Bitto A. Antiosteoporotic Activity of Genistein Aglycone in Postmenopausal Women: Evidence from a Post-Hoc Analysis of a Multicenter Randomized Controlled Trial. *Nutrients.* 2017;9(2). pii: E179.
3. Bitto A, Giuliani D, Pallio G, Irrera N, Vandini E, Canalini F, Zaffe D, Ottani A, Minutoli L, Rinaldi M, Guarini S, Squadrito F, Altavilla D. Effects of COX1-2/5-LOX blockade in Alzheimer transgenic 3xTg-AD mice. *Inflamm Res.* 2017; 66(5):389-398.
4. Squadrito F, Micali A, Rinaldi M, Irrera N, Marini H, Puzzolo D, Pisani A, Lorenzini C, Valenti A, Laurà R, Germanà A, Bitto A, Pizzino G, Pallio G, Altavilla D, Minutoli L. Polydeoxyribonucleotide, an Adenosine-A2(A) Receptor Agonist, Preserves Blood Testis Barrier from Cadmium-Induced Injury. *Front Pharmacol.* 2017; 7:537. doi: 10.3389/fphar.2016.00537.
5. Pizzino G, Bitto A, Crea P, Khandheria B, Vriza O, Carerj S, Squadrito F, Minisini R, Citro R, Cusmà-Piccione M, Madaffari A, Andò G, Altavilla D, Zito C. Takotsubo syndrome and estrogen receptor genes: partners in crime? *J Cardiovasc Med (Hagerstown).* 2017; 18(4):268-276.
6. Irrera N, Vaccaro M, Bitto A, Pallio G, Pizzino G, Lentini M, Arcoraci V, Minutoli L, Scuruchi M, Cutroneo G, Anastasi GP, Ettari R, Squadrito F, Altavilla D. BAY 11-7082 inhibits the NF- κ B and NLRP3 inflammasome pathways and protects against IMQ-induced psoriasis. *Clin Sci (Lond).* 2017; 131(6):487-498.
7. Atteritano M, Santoro D, Corallo G, Visalli E, Buemi M, Catalano A, Lasco A, Bitto A, Squadrito F. Skin Involvement and Pulmonary Hypertension Are Associated with Vitamin D Insufficiency in Scleroderma. *Int J Mol Sci.* 2016;17(12).
8. Pallio G, Bitto A, Pizzino G, Galfo F, Irrera N, Squadrito F, Squadrito G, Pallio S, Anastasi GP, Cutroneo G, Macri A, Altavilla D. Adenosine Receptor Stimulation by Polydeoxyribonucleotide Improves Tissue Repair and Symptomology in Experimental Colitis. *Front Pharmacol.* 2016; 7:273.
9. Pallio G, Bitto A, Pizzino G, Galfo F, Irrera N, Minutoli L, Arcoraci V, Squadrito G, Macri A, Squadrito F, Altavilla D. Use of a balanced dual cyclooxygenase-1/2 and 5-lipoxygenase inhibitor in experimental colitis. *Eur J Pharmacol.* 2016 Jul 20. pii: S0014-2999(16)30473-3. doi:10.1016/j.ejphar.2016.07.033.
10. Di Giovanni C, Ettari R, Sarno S, Rotondo A, Bitto A, Squadrito F, Altavilla D, Schirmeister T, Novellino E, Grasso S, Zappalà M, Lavecchia A. Identification of noncovalent proteasome inhibitors with high selectivity for chymotrypsin-like activity by a multistep structure-based virtual screening. *Eur J Med Chem.* 2016;121:578-91.
11. Minutoli L, Puzzolo D, Rinaldi M, Irrera N, Marini H, Arcoraci V, Bitto A, Crea G, Pisani A, Squadrito F, Trichilo V, Bruschetta D, Micali A, Altavilla D. ROS-Mediated NLRP3 Inflammasome Activation in Brain, Heart, Kidney, and Testis Ischemia/Reperfusion Injury. *Oxid Med Cell Longev.* 2016;2016:2183026. doi:10.1155/2016/2183026.
12. Bitto A, Arcoraci V, Alibrandi A, D'Anna R, Corrado F, Atteritano M, Minutoli L, Altavilla D, Squadrito F. Visfatin correlates with hot flashes in postmenopausal women with metabolic syndrome: effects of genistein. *Endocrine* 2017; 55(3):899-906.
13. Ettari R, Previti S, Bitto A, Grasso S, Zappalà M. Immunoproteasome-Selective Inhibitors: A Promising Strategy to Treat Hematologic Malignancies, Autoimmune and Inflammatory Diseases. *Curr Med Chem.* 2016;23(12):1217-38.
14. De Caridi G, Bitto A, Massara M, Pallio G, Pizzino G, Serra R, Altavilla D, Squadrito F, Spinelli F. Increased Serum HMGB-1, ICAM-1 and Metalloproteinase-9 Levels in Buerger's Patients. *Curr Vasc Pharmacol.* 2016;14(4):382-7.
15. Bitto A, Pallio G, Messina S, Arcoraci V, Pizzino G, Russo GT, Pallio S, Squadrito F, Altavilla D. Genomic Variations Affecting Biological Effects of Statins. *Curr Drug Metab.* 2016;17(6):566-72.
16. Bitto A, Bagnato GL, Pizzino G, Roberts WN, Irrera N, Minutoli L, Russo G, Squadrito F, Saitta A, Bagnato GF, Altavilla D. Simvastatin prevents vascular complications in the chronic reactive oxygen species murine model of systemic sclerosis. *Free Radic Res.* 2016 May;50(5):514-22.
17. Minutoli L, Micali A, Pisani A, Puzzolo D, Bitto A, Rinaldi M, Pizzino G, Irrera N, Galfo F, Arena S, Pallio G, Mecchio A, Germanà A, Bruschetta D, Laurà R, Magno C, Marini H, Squadrito F, Altavilla D. Flavocoxid Protects Against Cadmium-Induced Disruption of the Blood-Testis Barrier and Improves Testicular Damage and Germ Cell Impairment in Mice. *Toxicol Sci.* 2015 Dec 3. pii: kfv247.[Epub ahead of print]

18. Messina S, Bitto A, Vita GL, Aguenouz M, Irrera N, Licata N, Sframeli M, Bruschetta D, Minutoli L, Altavilla D, Vita G, Squadrito F. Modulation of neuronal nitric oxide synthase and apoptosis by the isoflavone genistein in Mdx mice. *Biofactors*. 2015; 41(5):324-9.
19. Irrera N, Bitto A, Pizzino G, Vaccaro M, Squadrito F, Galeano M, Stagno d'Alcontres F, Stagno d'Alcontres F, Buemi M, Minutoli L, Colonna MR, Altavilla D. Epoetin Alpha and Epoetin Zeta: A Comparative Study on Stimulation of Angiogenesis and Wound Repair in an Experimental Model of Burn Injury. *Biomed Res Int*. 2015; 2015:968927.
20. Minutoli L, Marini H, Rinaldi M, Bitto A, Irrera N, Pizzino G, Pallio G, Calò M, Adamo EB, Trichilo V, Interdonato M, Galfo F, Squadrito F, Altavilla D. A Dual Inhibitor of Cyclooxygenase and 5-Lipoxygenase Protects Against Kainic Acid-Induced Brain Injury. *Neuromolecular Med*. 2015; 17(2):192-201.
21. Pizzino G, Bitto A, Pallio G, Irrera N, Galfo F, Interdonato M, Mecchio A, De Luca F, Minutoli L, Squadrito F, Altavilla D. Blockade of the JNK Signalling as a Rational Therapeutic Approach to Modulate the Early and Late Steps of the Inflammatory Cascade in Polymicrobial Sepsis. *Mediators Inflamm*. 2015;2015:591572.
22. Minutoli L, Antonuccio P, Irrera N, Rinaldi M, Bitto A, Marini H, Pizzino G, Romeo C, Pisani A, Santoro G, Puzzolo D, Magno C, Squadrito F, Micali A, Altavilla D. NLRP3 Inflammasome Involvement in the Organ Damage and Impaired Spermatogenesis Induced by Testicular Ischemia and Reperfusion in Mice. *J Pharmacol Exp Ther*. 2015;355(3):370-80.
23. Minutoli L, Arena S, Antonuccio P, Romeo C, Bitto A, Magno C, Rinaldi M, Micali A, Irrera N, Pizzino G, Galfo F, Squadrito F, Altavilla D, Marini H. Role of Inhibitors of Apoptosis Proteins in Testicular Function and Male Fertility: Effects of Polydeoxyribonucleotide Administration in Experimental Varicocele. *Biomed Res Int*. 2015;2015:248976.
24. Bagnato G, Bitto A, Pizzino G, Roberts WN, Squadrito F, Altavilla D, Bagnato G, Saitta A. Propylthiouracil modulates aortic vasculopathy in the oxidative stress model of systemic sclerosis. *Vascul Pharmacol*. 2015; 71:79-83
25. Montalto AS, Bitto A, Minutoli L, Impellizzeri P, Costa G, Irrera N, Pizzino G, Squadrito F, Altavilla D, Romeo C. CO2 Pneumoperitoneum Preserves β -Arrestin 2 Content and Reduces High Mobility Group Box-1 (HMGB-1) Expression in an Animal Model of Peritonitis. *Oxid Med Cell Longev*. 2015;2015:160568. doi:10.1155/2015/160568.
26. Bitto A, Pizzino G, Irrera N, Galfo F, Squadrito F. Epigenetic modifications due to heavy metals exposure in children living in polluted areas. *Curr Genomics*. 2014; 15(6):464-8.
27. Interdonato M, Pizzino G, Bitto A, Galfo F, Irrera N, Mecchio A, Pallio G, Ramistella V, De Luca F, Santamaria A, Minutoli L, Marini H, Squadrito F, Altavilla D. Cadmium delays puberty onset and testis growth in adolescents. *Clin Endocrinol (Oxf)*. 2014 Dec 18. doi: 10.1111/cen.12704. [Epub ahead of print]
28. Irrera N, Bitto A, Interdonato M, Squadrito F, Altavilla D. Evidence for a role of mitogen-activated protein kinases in the treatment of experimental acute pancreatitis. *World J Gastroenterol*. 2014; 20(44):16535-43.
29. Interdonato M, Bitto A, Pizzino G, Irrera N, Pallio G, Mecchio A, Cuspilici A, Minutoli L, Altavilla D, Squadrito F. Levels of heavy metals in adolescents living in the industrialised area of Milazzo-Valle del Mela (northern Sicily). *J Environ Public Health*. 2014;2014:326845.
30. Oteri G, Pizzino G, Pisano M, Peditto M, Squadrito F, Bitto A. Polyethylene glycol formulations show different soft tissue remodeling and angiogenesis features. *Tissue Eng Part A*. 2015 Feb;21 (3-4):580-5.
31. D'Anna R, Santamaria A, Cannata ML, Interdonato ML, Giorgianni GM, Granese R, Corrado F, Bitto A. Effects of a new flavonoid and Myo-inositol supplement on some biomarkers of cardiovascular risk in postmenopausal women: a randomized trial. *Int J Endocrinol*. 2014;2014:653561
- 32.
33. Bitto A, Squadrito F, Irrera N, Pizzino G, Pallio G, Mecchio A, Galfo F, Altavilla D. Flavocoxid, a nutraceutical approach to blunt inflammatory conditions. *Mediators Inflamm*. 2014;2014:790851.
34. Calò M, Licata P, Bitto A, Cascio PL, Interdonato M, Altavilla D. Role of AHR, AHRR and ARNT in response to dioxin-like PCBs in *Spaurus aurata*. *Environ Sci Pollut Res Int*. 2014 Jul 26. [Epub ahead of print] I.F. 2.7
35. Giuliani D, Galantucci M, Neri L, Canalini F, Calevro A, Bitto A, Ottani A, Vandini E, Sena P, Sandrini M, Squadrito F, Zaffe D, Guarini S. Melanocortins protect against brain damage and counteract cognitive decline in a transgenic mouse model of moderate Alzheimer's disease. *Eur J Pharmacol*. 2014;740:144-50.
36. Pizzino G, Bitto A, Interdonato M, Galfo F, Irrera N, Mecchio A, Pallio G, Ramistella V, De Luca F, Minutoli L, Squadrito F, Altavilla D. Oxidative stress and DNA repair and detoxification gene expression in adolescents exposed to heavy metals living in the Milazzo-Valle del Mela area (Sicily, Italy). *Redox Biol*. 2014; 2:686-93. doi: 10.1016/j.redox.2014.05.003.
37. Minutoli L, Altavilla D, Marini H, Rinaldi M, Irrera N, Pizzino G, Bitto A, Arena S, Cimino S, Squadrito F, Russo GI, Morgia G. Inhibitors of apoptosis proteins in experimental benign prostatic hyperplasia: effects of serenoa repens, selenium and lycopene. *J Biomed Sci*. 2014 Mar 10;21:19. doi:10.1186/1423-0127-21-19. I.F. 2.45
38. Squadrito F, Bitto A, Altavilla D, Arcoraci V, De Caridi G, Eugenio De Feo M, Corrao S, Pallio G, Sterrantino C, Minutoli L, Saitta A, Vaccaro M, Cucinotta D. The effect of PDRN, an adenosine receptor A(2A) agonist, on the healing of chronic diabetic foot ulcers: results of a clinical trial. *J Clin Endocrinol Metab*. 2014; 99: E746-53. doi: 10.1210/jc.2013-3569. I.F. 6.4

39. Bitto A, Altavilla D, Pizzino G, Irrera N, Pallio G, Colonna MR, Squadrito F. Inhibition of Inflammasome Activation Improves the Impaired Healing Pattern in Genetically Diabetic Mice. *Br J Pharmacol* 2014;171: 2300-7 doi: 10.1111/bph.12557 I.F. 5.06
40. Bagnato G, Bitto A, Irrera N, Pizzino G, Sangari D, Cinquegrani M, Roberts W, Atteritano M, Altavilla D, Squadrito F, Bagnato G, Saitta A. Propylthiouracil prevents cutaneous and pulmonary fibrosis in the reactive oxygen species murine model of systemic sclerosis. *Arthritis Res Ther* 2013; 15: R120.doi:10.1186/ar4300. I.F. 4.3
41. Atteritano M, Mazzaferro S, Bitto A, Cannata ML, D'Anna R, Squadrito F, Macri I, Frisina A, Frisina N, Bagnato G. Genistein effects on quality of life and depression symptoms in osteopenic postmenopausal women: a 2-year randomized, double-blind, controlled study. *Osteoporos Int.* 2014; 25:1123-9 doi:10.1007/s00198-013-2512-5 I.F. 4
42. Giuliani D, Bitto A, Galantucci M, Zaffe D, Ottani A, Irrera N, Neri L, Cavallini GM, Altavilla D, Botticelli AR, Squadrito F, Guarini S. Melanocortins protect against progression of Alzheimer's disease in triple-transgenic mice by targeting multiple pathophysiological pathways. *Neurobiol Aging.* 2014; 35(3):537-47. I.F. 6.09
43. Irace C, Marini H, Bitto A, Altavilla D, Polito F, Adamo EB, Arcoraci V, Minutoli L, Di Benedetto A, Di Vieste G, de Gregorio C, Gnasso A, Corrao S, Licata G, Squadrito F. Genistein and endothelial function in postmenopausal women with metabolic syndrome. *Eur J Clin Invest.* 2013;43(10):1025-31. doi:10.1111/eci.12139. I.F. 3.36
44. Squadrito F, Marini H, Bitto A, Altavilla D, Polito F, Adamo EB, D'Anna R, Arcoraci V, Burnett BP, Minutoli L, Di Benedetto A, Di Vieste G, Cucinotta D, de Gregorio C, Russo S, Corrado F, Saitta A, Irace C, Corrao S, Licata G. Genistein in the metabolic syndrome: results of a randomized clinical trial. *J Clin Endocrinol Metab.* 2013; 98(8):3366-74. I.F. 6.4
45. Bitto A, Irrera N, Minutoli L, Calò M, Lo Cascio P, Caccia P, Pizzino G, Pallio G, Micali A, Vaccaro M, Saitta A, Squadrito F, Altavilla D. Relaxin improves multiple markers of wound healing and ameliorates the disturbed healing pattern of genetically diabetic mice. *Clin Sci (Lond).* 2013;125(12):575-85. I.F. 4.8
46. Talotta R, Bagnato GL, Atzeni F, Ditto MC, Bitto A, Squadrito F, Lo Gullo A, Sarzi-Puttini P, Bagnato GF. Polymorphic alleles in exon 1 of the CTLA4 gene do not predict the response to abatacept. *Clin Exp Rheumatol.* 2013; 31(5):813. I.F. 2.6
47. Bagnato G, Bitto A, Pizzino G, Irrera N, Sangari D, Cinquegrani M, Roberts WN, Matucci Cerinic M, Squadrito F, Altavilla D, Bagnato G, Saitta A. Simvastatin attenuates the development of pulmonary and cutaneous fibrosis in a murine model of systemic sclerosis. *Rheumatology (Oxford).* 2013; 52(8):1377-86. IF 4.0
48. Bitto A, Burnett BP, Polito F, Russo S, D'Anna R, Pillai L, Squadrito F, Altavilla D, Levy RM. The steady-state serum concentration of genistein aglycone is affected by formulation: a bioequivalence study of bone products. *Biomed Res Int.* 2013;2013:273498. doi: 10.1155/2013/273498. IF 2.5
49. Minutoli L, Bitto A, Squadrito F, Marini H, Irrera N, Morgia G, Passantino A, Altavilla D. *Serenoa Repens*, Lycopene and Selenium: A Triple Therapeutic Approach to Manage Benign Prostatic Hyperplasia. *Curr Med Chem. Curr Med Chem.* 2013;20(10):1306-12. I.F. 4.8
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autorizzo al trattamento dei dati ai sensi della legge 196/2003.

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