

## INFORMAZIONI PERSONALI

## Donatella Caruso

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Sesso Femminile | Data di nascita 27 Lug. 57 | Nazionalità Italiana

ESPERIENZA  
PROFESSIONALE

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|------------------------|--|
| 2018–alla data attuale | Vice Presidente del Collegio didattico interdipartimentale del CdL in Chimica e tecnologia farmaceutiche   |
| 2015–alla data attuale | <b>Professore Ordinario del SSD BIO/10</b><br>Università degli Studi di Milano, Milano (Italia)<br>Studi di lipidomica e metabolomica in malattie metaboliche, come il diabete, e nelle malattie neurodegenerative.<br>Attività didattica nell'ambito del SSD Bio/10 |
| 2015–2018              | Referente per il Presidio di Assicurazione della Qualità (AQ) del CdL in Chimica e Tecnologia Farmaceutiche  |
| 2013–2013              | Abilitazione Scientifica nazionale a a professore di prima fascia per il settore concorsuale 05/E1 Biochimica Generale e Biochimica Clinica,   |
| 2013–alla data attuale | Coordinatore del personale Tecnico-amministrativo afferente al Dipartimento di Scienze Farmacologiche e Biomolecolari  |
| 2009–2018              | Segretario del Consiglio di corso di laurea e del Collegio didattico interdipartimentale del CdL in Chimica e tecnologia farmaceutiche   |
| 2009–2017              | Coordinatore della Commissione preposta alla preparazione ed allo svolgimento dei test di ingresso per i CdL in Farmacia e Chimica e Tecnologia Farmaceutiche  |
| 2009–2015              | Direttore Scientifico del Centro di Studi e Ricerche sulla Caratterizzazione e Sicurezza d'uso di Sostanze Naturali – G. Galli dell'Università degli Studi di Milano   |

- 2002–2015 Professore Associato nel SSD Bio/10 Biochimica**  
Università degli studi di Milano, Milano (Italia)  
Studi di lipidomica e metabolomica in malattie metaboliche, come il diabete, e nelle malattie neurodegenerative.  
Attività didattica nell'ambito del SSD Bio/10
- 1991–2002 Ricercatore universitario a tempo indeterminato**  
Università degli Studi di Milano, Milano (Italia)  
Studi su patologie riguardanti il metabolismo del colesterolo.  
Studi sul destino metabolico e le attività biologiche di nutraceutici nell'animale da esperimento e nell'uomo.  
Attività didattica nell'ambito del SSD Bio/10
- 1982–1991 Borsista**  
Borse di studio per il conseguimento di Diploma di Specialità e di Dottorato di Ricerca
- 1976–1982 Borsista non laureato**  
Università degli Studi di Milano, Milano (Italia)  
Studi sul ruolo degli antinfiammatori non steroidei sul metabolismo dell'acido arachidonico in diverse condizioni fisiologiche e patologiche, con particolare riferimento alle cellule circolanti

## ISTRUZIONE E FORMAZIONE

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- 1986–1991 Dottore di ricerca in medicina sperimentale**  
Università degli Studi di Milano, Milano (Italia)
- 1982–1986 Diploma di specializzazione in Tossicologia**  
Università degli Studi di Milano, Milano (Italia)
- 1982–1982 Abilitazione Professionale alla professione di Farmacista**  
Ordine Farmacisti Provincia di Milano, Milano (Italia)
- 1977–1982 Laurea magistrale in Farmacia**  
Università degli Studi di Milano, Milano (Italia)

## COMPETENZE PERSONALI

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- Lingua madre** italiano
- Lingue straniere** Buona conoscenza della lingua inglese
- Competenze comunicative** ottime conoscenze relazionali e comunicative ottenute dall'esperienza di Docente universitario e come relatore a congressi nazionali ed internazionali
- Competenze organizzative e gestionali** Coordinatore di una piattaforma tecnologica UNIMI di tecniche Omiche;

Esperienza nell'organizzazione e nel coordinamento di un gruppo di ricerca  
 Responsabile del Laboratorio di spettrometria di massa del DISFEB di UNIMI;  
 Presidente della Divisione di Spettrometria di massa della Società Chimica Italiana

#### Competenze professionali

#### **Publicazioni** (Scopus, Orcid 0000.0003.2115.778x):

Autore di 160 pubblicazioni su riviste peer-review

IF totale 655

IF medio (ultimi 5 anni) 5.382

H index 40

#### **Memberships:**

International Neurochemistry Society

Italian Society of Biochemistry and Molecular Biology.

Mass Spectrometry Division of the Italian Chemical Society

#### Competenze digitali

| AUTOVALUTAZIONE                 |                 |                        |                 |                         |
|---------------------------------|-----------------|------------------------|-----------------|-------------------------|
| Elaborazione delle informazioni | Comunicazione   | Creazione di Contenuti | Sicurezza       | Risoluzione di problemi |
| Utente autonomo                 | Utente autonomo | Utente autonomo        | Utente autonomo |                         |

Competenze digitali - Scheda per l'autovalutazione

#### ULTERIORI INFORMAZIONI

#### Trattamento dei dati personali

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali.

#### Publicazioni

#### **SELEZIONE DELLE PUBBLICAZIONI SU RIVISTE SCIENTIFICHE INTERNAZIONALI INDICIZZATE**

- 1) Preferential utilization of endogenous arachidonate by cyclooxygenase in incubation of human platelets. Sautebin L, Caruso D, Galli G and Paoletti R. FEBS Letters 1983, 157:173-178 (IF 2.88)
- 2) Analysis of cyclooxygenase and lipoxygenase products in incubation media. Sautebin, L., Caruso, D., Galli, G. Prostaglandins 1984, 27 (3), pp. 361-3.
- 3) Influence of diamide on aggregation, cytoskeletal proteins and arachidonic acid metabolism in human platelets. Caruso D, Galli G, Till U, Spangenberg P, Lösche W, Paoletti R. Thromb. Res. 1984, 36:9-16 (IF 1.70)
- 4) Quantitative analysis of a- and b-thujone, pulegone, saffrole, coumarin and b-asarone in alcoholic beverages by selected ion monitoring. Galli C.L, Galli G, Tragni E, Caruso D and Fiecchi A. J. of Applied Toxicol 1984, 4:273-276 (IF 1,06)
- 5) Platelet formation of 12-hydroxyeicosatetraenoic acid and thromboxane B<sub>2</sub> is increased in type IIa hypercholesterolemic subjects. A.R. Eynard, E. Tremoli, D. Caruso, F. Magni, C.R. Sirtori, G. Galli. Atherosclerosis 1986, 60:61-66 (IF 1,69).
- 6) Single dose pharmacokinetics of aminoglutethimide by a rapid SIM methodology. C. R. Sirtori, E. De Fabiani, D. Caruso, B. Malavasi, G. Galli and M. Galli Kienle. Int. J. of Clin. Pharmacol. Ther.

and Toxicol. 1988, 26:380-384 (IF 0,37).

- 7) Nonsteroidal antiinflammatory drugs aggravate acute myocardial ischemia in the perfused rabbit heart: A role for Prostacyclin. F. Berti, G. Rossoni, F. Magni, D. Caruso, C. Omini, L. Puglisi and G. Galli. *J. Cardiovasc. Pharm.* 1988, 12: 438-444 (IF 2.05).
- 8) Arachidonic acid metabolism in HEL/30 murine epidermal cell line. E. Tragni, D. Caruso, S. Porta, R. Fumagalli, G. Galli and C. L. Galli. *Arch. Dermatol. Res.* 1988, 280:437-442 (IF 0,84)
- 9) Differential effects of oral administrations to human volunteers of acetylsalicylic acid, sodium salicylate and indomethacin on 12-hydroxyeicosatetraenoic acid formation by stimulated platelets. P. Maderna, D. Caruso, E. Tremoli and G. Galli. *Thromb. Res.* 1988, 52:197-206 (IF 1,65).
- 10) Effect of a single oral administration of non steroidal antiinflammatory drugs to healthy volunteers on arachidonic acid metabolism in peripheral polymorphonuclear and mononuclear leukocytes. S. Colli, D. Caruso, E. Tremoli, E. Stragliotto, G. Morazzoni, G. Galli. *Prost. Leuko. and EFA* 1988, 34:167-174 (IF 1,01).
- 11) Leukotriene B<sub>4</sub> production in human atherosclerotic plaques. R. De Caterina, A. Mazzone, D. Giannessi, R. Sicari, W. Pelosi, G. Lazzerini, A. Azzarà, R. Forder, F. Carey, D. Caruso, G. Galli, F. Mosca. *Biomed. Biochim. Acta* 1988, 47(10-11):S182-185 (IF 0,44)
- 12) Proinflammatory lipoxygenase products from peripheral mononuclear cells in patients with rheumatoid arthritis. S. Colli, D. Caruso, E. Stragliotto, G. Morazzoni, A. Aletti, G. Galli, B.A. Canesi, E. Tremoli. *J. Lab. Clin. Med.* 1988, 112(3):357-362 (IF 1,75)
- 13) Arachidonic acid cyclooxygenase and lipoxygenase pathways are differently activated by platelet activating factor and the calcium-ionophore A23187 in a primary culture of astroglial cells. A. Petroni, M. Blasevich, F. Visioli, B. Zancocchia, D. Caruso and C. Galli. *Developmental Brain Res.* 1991, 63(1-2):221-7 (IF 2,36).
- 14) A particle beam-liquid chromatography-mass spectrometry method for the determination of lipoxygenase metabolites of arachidonic acid. R. Galimberti, P. Lecchi, L. De Angelis, D. Caruso, A. Toia, A. Volterra, G. Racagni, G. Galli. *Anal. Biochem.* 1992, 201:356-361 (IF 2,14)
- 15) Quantitative changes of hydroxyacid formation during platelet-neutrophil interaction P. Maderna, S. Colli, D. Caruso, S. Eligini, A. Toia, G. Galli and E. Tremoli. *J. Lab. Clin. Med.* 1993, 121 (3):406-414 (IF 1,79). Editorials relevant to this article appear on p. 359 and 372-4 of this issue of the Journal.
- 16) Formation of 22 and 24 carbon 6-desaturated fatty acids from exogenous deuterated arachidonic acid is activated in THP-1 cells at high substrate concentrations. Caruso D, Risè P, Galella G, Regazzoni C, Toia A, Galli G and Galli C. *FEBS Letters*, 1994, 343: 195-9 (IF 3,6).
- 17) Identification of 3β-hydroxy-5α-cholest-6-ene-5-hydroperoxide in human oxidized LDL. Caruso D, Rasetti F, Toia A and Galli G. *Chem. Phys. Lipids* 1996, 79/2:181-6 (IF 2,12).
- 18) Cholesta-5,7,9(11)-trien-3β-ol found in plasma of patients with Smith-Lemli-Opitz syndrome indicates formation of sterol hydroperoxide. De Fabiani E, Caruso D, Cavaleri M. Galli Kienle M and Galli G. *J Lipid Res* 1996, 37: 2280-7 (IF 3,620).
- 19) Effect of virgin olive oil phenolic compounds on *in vitro* oxidation of human low density lipoproteins Caruso D, Berra B, Giavarini F, Cortesi N, Fedeli E, Galli G. *Nutr. Metab. Cardiovasc. Dis.* 1999, 9:102-7 (IF 0,57).
- 20) Oxysterols from oxidized LDL are cytotoxic but fail to induce hsp70 expression in endothelial cells. Pirillo A, Zhu W, Roma P, Galli G, Caruso D, Pellegatta F, Catapano AL. *FEBS Letters* 1999, 462: 113-6 (IF 3,720).
- 21) Olive oil phenolics are dose-dependently absorbed in humans Visioli F, Galli C, Bomet F, Mattei A, Patelli R, Galli G, Caruso D. *FEBS Letters* 2000, 468:159-160, (IF 3,440).
- 22) Rapid evaluation phenolic component profile and analysis of oleuropein aglycon in olive oil by atmospheric pressure chemical ionization-mass spectrometry (APCI- MS). Caruso D, Colombo R, Patelli R, Giavarini F, Galli G. *J. Agric. Food Chem.* 2000, 48(4):1182-85 (IF 1,560)
- 23) Evidence of postprandial absorption of olive oil phenols in humans Bonanome A, Pagnan A, Caruso D, Toia A, Xamin A, Fedeli E, Berra B, Zamburlini A, Ursini F, Galli G. *Nutr. Metab. Cardiovasc. Dis.* 2000, 10:111-120 (IF 0,959). Editorial relevant to this article appears on p. 109 of this issue of the Journal
- 24) Olive oil rich in natural catecholic phenols decrease isoprostane excretion in humans. Visioli F, Caruso D, Galli C, Viappiani S, Galli G, Sala A. *Biochem Biophys Res Commun*, 2000, 278 (3): 797-9 (IF 3,055).
- 25) Hydroxytyrosol, as a component of olive mill waste water, is dose dependently absorbed and increases the antioxidant capacity of rat plasma. Visioli F, Caruso D, Plasmati E, Patelli R, Mulinacci N, Romani A, Galli G, Galli C. *Free Radical Research* 2001, 34:301-5 (IF 2,735)

- 26) Urinary excretion of olive oil phenols and their metabolites in human. Caruso D, Visioli F, Patelli R, Galli C, Galli G. *Metabolism* 2001, 50(12):1426-28 (IF 1,931).
- 27) Cloning and expression of sterol D14-reductase from bovine liver. Roberti R, Bennati AM, Galli G, Caruso D, Maras B, Aisa C, Beccari T, Della Fazia MA, Servillo G. *Eur. J. Biochem* 2002, 269(1):283-290 (IF 2,999).
- 28) An hemoglobin variant found during glycohemoglobin measurement identified as Hb Toulon ([a77 (EF6) ProàHis]) by tandem mass spectrometry. Caruso D, Da Riva L, Giavarini F, Galli G, Brambilla S, Luraschi P, Franzini C. *Hemoglobin* 2002, 26(2):197-199 (IF 0,570). Times cited 4
- 29) Hydroxytyrosol excretion differs between rats and humans and depends on the vehicle of administration. Visioli F, Galli C, Grande S, Colonnelli K, Patelli C, Galli G, Caruso D. *J of Nutrition*, 2003, 133(8):2612-5 (IF 3.321).
- 30) Coordinated control of cholesterol catabolism to bile acids and of gluconeogenesis via a novel mechanism of transcription regulation linked to the fasted-to-fed cycle. De Fabiani E, Mitro N, Gilardi F, Caruso D, Galli G, Crestani M. *J. Biol. Chem.* 2003, 278(40):39124-32 (IF 6,482).
- 31) Mass spectrometry and DNA sequencing are complementary techniques for the characterisation of haemoglobin variants: the example of haemoglobin J-Oxford. Caruso D, Crestani M, Da Riva L, Mitro N, Giavarini F, Mozzi R and Franzini C. *Haematologica* 2004, 89(05): 608-609 (IF 4,192)
- 32) Synthesis of long-chain polyunsaturated fatty acids is inhibited *in vivo* in hypercholesterolemic rabbits and *in vitro* by oxysterols Risé P, Camera M, Caruso D, Ghezzi S, Visioli F, Galli C. *Prostaglandins Leukot Essent Fatty Acids*, 2004, 71 (2), 79-86 (IF 1,743)
- 33) Virgin Olive Oil Study (VOLOS): vasoprotective potential of extra virgin olive oil in mildly dyslipidemic patients. Visioli F, Caruso D, Grande S, Bosisio R, Villa M, Galli G, Sirtori C, Galli C. *Europ J Nutrition*, 2005, 44(2):121-7 (IF 2,257)
- 34) High pressure liquid chromatography and electrospray ionisation mass spectrometry are advantageously integrated into a two-levels approach to detection and identification of haemoglobin variants. Caruso D, Crestani M, Mitro N, Da Riva L, Mozzi R, Sarpau S, Merlotti C, Franzini C. *Clin Lab Haematol*, 2005, 27(2):111-9. (IF 0,85)
- 35) Daily consumption of a high-phenol extra-virgin olive oil reduces oxidative DNA damage in postmenopausal women. Salvini S, Sera F, Caruso D, Giovannelli L, Visioli F, Saieva C, Masala G, Ceroti M, Giovacchini V, Pitozzi V, Galli C, Romani A, Mulinacci N, Bortolomeazzi R, Dolora P, and Palli D. *Br J Nutr* 2006, 95:742-51, (IF 2.708)
- 36) Minor components of olive oil modulate pro-atherogenic adhesion molecules involved in endothelial activation. Dell'Agli M, Fagnani R, Mitro N, Scurati S, Masciadri M, Mussoni L, Galli GV, Bosisio E, Crestani M, De Fabiani E, Tremoli E, Caruso D. *J Agric Food Chem* 2006, 54:3259-64, (IF 2.322)
- 37) Sterol dependent regulation of human TM7SF2 gene expression supports a role of the encoded 3b-hydroxysterol D<sup>14</sup>-reductase. Bennati AM, Castelli M, Della Fazia MA, Beccari T, Caruso D, Servillo G, Roberti R. *Biochim Biophys Acta -Molecular and Cell Biology of Lipids* 2006, 1761(7):677-85, (IF 3,117)
- 38) Hypercholesterolaemia is not associated with early atherosclerotic lesions in primary biliary cirrhosis. Allocca M, Crosignani A, Gritti A, Ghilardi G, Gobatti D, Caruso D, Zuin M, Podda M, Battezzati PM. *Gut* 2006, 55(12):1795-800 (IF 9,002)
- 39) Progesterone and its derivatives are neuroprotective agents in experimental diabetic neuropathy: a multimodal analysis. Leonelli E, Bianchi R, Cavaletti G, Caruso D, Crippa D, Garcia-Segura LM, Lauria G, Magnaghi V, Roglio I, Melcangi RC. *Neuroscience* 2007, 144(4):1293-304 (IF 3.352)
- 40) Testosterone derivatives are neuroprotective agents in experimental diabetic neuropathy. I Roglio I, Bianchi R, Giatti S, Cavaletti G, Caruso D, Scurati S, Crippa D, Garcia-Segura LM, Camozzi F, Lauria G, Melcangi RC. *Cell Mol Life Sci* 2007, 64(9):1158-68 (IF 5.239)
- 41) Changes in classic and alternative pathways of bile acid synthesis in chronic liver disease. Crosignani A, Del Puppo M, Longo M, De Fabiani E, Caruso D, Zuin M, Podda M, Javitt NB, Kienle MG. *Clinica Chimica Acta* 2007, 382(1-2):82-8, (IF 2.601)
- 42) Insights into the mechanism of partial agonism: crystal structures of the peroxisome proliferator-activated receptor gamma ligand-binding domain in the complex with two enantiomeric ligands. Pochetti G, Godio C, Mitro N, Caruso D, Galmozzi A, Scurati S, Loiodice F, Fracchiolla G, Tortorella P, Laghezza A, Lavecchia A, Novellino E, Mazza F, Crestani M. *J Biol Chem* 2007, 282(23):7314-24 (IF 5.581)
- 43) Insight in the regulation of cholesterol 7a-hydroxylase gene reveal a target for modulating bile

- acid synthesis. Mitro N, Godio C, De Fabiani E, Scotti E, Galmozzi A, Gilardi F, Caruso D, Vigil Chacon AB, Crestani M. Hepatology 2007, 46(3):885-97 (IF 10.734)
- 44) Inhibition of platelet aggregation by olive oil phenols via cAMP-phosphodiesterase. Dell'Agli M, Maschi O, Galli GV, Fagnani R, Dal Cero E, Caruso D, Bosisio E. Br J Nutrition 2008, 99: 945–951. (IF 2.764)
- 45) Evaluation of neuroactive steroid levels by liquid chromatography-tandem mass spectrometry in central and peripheral nervous system: effect of diabetes. Caruso D, Scurati S, Maschi O, De Angelis L, Roglio I, Giatti S, Garcia-Segura LM, Melcangi RC. Neurochemistry International 2008, 52(4-5):560-8. (IF 3.228)
- 46) Neuroactive steroid levels in a transgenic rat model of CMT1a neuropathy. Caruso D, Scurati S, Roglio I, Nobbio L, Schenone A, Melcangi RC. J Mol Neurosci. 2008, 34(3):249-53. (IF 2.061)
- 47) Plasma oxysterols in normal and cholestatic children as indicators of the two pathways of bile acid synthesis. Crosignani A, Del Puppo M, De Fabiani E, Caruso D, Gallisai D, Mela MG, Melzi ML, Galli Kienle M, Colombo C. Clin Chim Acta 2008, 395(1-2):84-88 (IF 2.960)
- 48) Inhibition of human CAMP-phosphodiesterase as mechanism of the spasmolytic effect of *matricaria recutita* L. Maschi O, Del Cero E, Galli GV, Caruso D, Bosisio E, Dell'Agli M. J Agr Food Chem 2008,56(13):5015-20. (IF 2.562)
- 49) Bile acids and gene regulation: from nuclear receptors to chromatin. Mitro N, Gilardi F, Godio C, Scotti E, De Fabiani E, Caruso D, Crestani M. Front Biosci. 13:6276-88, 2008 ( IF 3.308) Times Cited: 2.
- 50) Neuroprotective effects of dihydroprogesterone and progesterone in an experimental model of nerve crush injury. Roglio i., Bianchi R., Gotti S., Scurati S., Giatti S. Pesaresi M., Caruso D., Panzica G.C., Melcangi R.C. Neuroscience 2008, 155:673–685 (IF 3.556)
- 51) Disruption of the gene encoding 3beta-hydroxysterol Delta-reductase (Tm7sf2) in mice does not impair cholesterol biosynthesis. A M Bennati, G Schiavoni, S Franken, D Piobbicoc, M A Della Fazio, D Caruso, E De Fabiani, L Benedetti, M G Cusella, De Angelis, V Gieselmann, G Servillo, T Beccari, R Roberti FEBS Letters 2008, 275(20):5034-47, (IF 3.264)
- 52) Interactions between neuroactive steroids and reelin haploinsufficiency in Purkinje cell survival. F. Biamonte, R. Assenza, R. Panteri, G. Marino, D. Caruso, S. Scurati, J. G. Yague, L. M. Garcia-Segura, R. Cesa, P. Strata, R. C. Melcangi, F. Keller. Neurobiol Dis. 2009, 36(1):103-15. (IF 4.518)
- 53) Sex differences in neuroactive steroid levels in the nervous system of diabetic and non-diabetic rats. Pesaresi M; Maschi O; Giatti S; Garcia-Segura LM; Caruso D; Melcangi RC. Hormones and behavior 2010, 57(1):46-55. (IF 3.770)
- 54) Antiplasmodial Activity of Punica granatum L. Fruit Rind. Dell'Agli M., Galli G.V., Corbett Y., Taramelli D., Lucantoni L., Habluetzel A., Maschi O., Caruso D., Giavarini F., Romeo S., Bhattacharya D., Bosisio E. J.Ethnopharmacology 2009, 125:279-285, (IF 2.322)**
- 55) Neuroprotective effects of a ligand of translocator protein-18kDa (Ro5-4864) in experimental diabetic neuropathy. Giatti S, Pesaresi M, Cavaletti G, Bianchi R, Carozzi V, Lombardi R, Maschi O, Lauria G, Garcia-Segura LM, Caruso D, Melcangi RC Neuroscience 2009, 164(2):520-9. (IF 3.292)**
- 56) Expression of sterol 27-hydroxylase in glial cells and its regulation by liver X receptor signaling. Gilardi F, Viviani B, Galmozzi A, Boraso M, Bartesaghi S, Torri A, Caruso D, Crestani M, Marinovich M, De Fabiani E. Neuroscience 2009, 164:530-540 (IF 3.292)
- 57) Acute experimental autoimmune encephalomyelitis induces sex-dimorphic changes in neuroactive steroid levels. Giatti S, D'Intino G, Maschi O, Pesaresi M, Garcia-Segura LM, Calzà L, Caruso D, Melcangi RC. Neurochem Int. 2010, 56(1):118-27. (IF 3.601).
- 58) Simultaneous quantification of 8-iso-PGF<sub>2α</sub> and 11-dehydro-TXB<sub>2</sub> in human urine by LC–MS/MS. Cavalca V, Minardi F, Scurati S, Guidugli F, Squellerio I, Veglia F, Dainese L, Guarino A, Tremoli E, Caruso D. Anal Biochem 2010, 397(2):168-74. (IF 3.236)
- 59) Olive oil phenols modulate the expression of metalloproteinase 9 in THP-1 cells by acting on NF-kB signalling. Dell'Agli M, Fagnani R, De Fabiani E, Galli GV, Maschi O, Gilardi F, Bellosta S, Crestani M, Bosisio E, Caruso D. J. Agric. Food Chem. 2010, 58(4):2246-52 (IF 2.816)
- 60) Dihydroprogesterone increases gene expression of myelin basic protein in spinal cord of diabetic rats. Pesaresi M, Giatti S, Calabrese D, Maschi O, Caruso D, Melcangi RC. J. Molecular Neurosci 2010 42(2):135-9 (IF 2.922)
- 61) An Innovative Method to Classify SERMs Based on the Dynamics of Estrogen Receptor Transcriptional Activity in Living Animals. G Rando, D Homer, A Biserni, B Ramachandran, Caruso D, Ciana P, Komm B, Maggi A. Molecular endocrinol 2010, 24(4):735-44. (IF 5.257).

- 62) Sex-dimorphic changes in neuroactive steroid levels after chronic experimental autoimmune encephalitis. Caruso D, D'Intino G, Giatti S, Maschi O, Pesaresi M, Calabrese D, Garcia-Segura L-M, Calzà L, Melcangi R.C. *J Neurochem* 2010, 114(3):921-32 (IF 3.628).
- 63) Estrogen receptor  $\beta$  and the progression of prostate cancer: role of  $5\alpha$ -androstane- $3\beta$ , $17\beta$ -diol ( $3\beta$ -Adiol). Dondi D., Piccolell M., Biserni A., Della Torre S., Ramachandran B., Locatelli A., Sau D., Caruso D., Maggi A., Ciana P., Poletti, A. *Endocrine-Related Cancer* 2010, 217(3):731-42 (IF 4.337)
- 64) Effects of short- and long-term gonadectomy on neuroactive steroid levels in the central and peripheral nervous system of male and female rats. Caruso D, Pesaresi M, Maschi O, Garcia-Segura LM, Melcangi RC. *J Neuroendocrinology* 2010, 22(11):1137-47. (IF 4.650)
- 65) Activation of the Liver X Receptor increases neuroactive steroid levels and protects from diabete-induced peripheral neuropathy Cermenati G, Giatti S, Cavaletti G, Bianchi R, Maschi O, Pesaresi M, Abbiati F, Volonterio A, Saez E, Caruso D, Melcangi RC and Mitro N. *J Neurosci.*2010, 30(36):11896-901 (IF 7.271)
- 66) Sex differences in the manifestation of peripheral diabetic neuropathy in gonadectomized rats: a correlation with the levels of neuroactive steroids in the sciatic nerve. Pesaresi M, Cavaletti G, Abbiati F, Calabrese D, Bianchi R, Caruso D, Garcia-Segura LM, Melcangi R. *Experimental Neurology* 2011, 228(2):215-221 (IF 4.699)
- 67) Modification of neuroactive steroid levels in an experimental model of nigrostriatal degeneration: potential relevance to the pathophysiology of Parkinson's disease. Melcangi RC, Caruso D, Levandisi G, Abbiati F, Armentero M-T, Blandini F. *J Mol Neurosci.* 2012, 46(1):177-83. (IF 2.504)
- 68) The First Case of Hb G-Honolulu [ $\alpha$ 30(B11)Glu $\rightarrow$ Gln (GAG $\rightarrow$ CAG); HBA2:c.91G $\rightarrow$ A] Observed in Association with Hb S [ $\beta$ 6(A3)Glu $\rightarrow$ Val, GAG $\rightarrow$ GTG] in a Healthy Italian Child. Paleari R, Caruso D, Giavarini F, Colzani C, Brunati P, Mosca A. *Hemoglobin.* 2012, 36(1):73-9. (IF 1.304)
- 69) Sex-dimorphic effects of dehydroepiandrosterone in diabetic neuropathy. Pesaresi M, Giatti S, Cavaletti G, Abbiati F, Calabrese D, Lombardi S, Bianchi R, Lauria G, Caruso D, Garcia-Segura LM, Melcangi RC. *Neuroscience.* 2011, 199:401-9. (IF 3.380)
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## REVIEW AND BOOK CHAPTERS

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