Curriculum vitae of Daniela Carnevale

Name	**Daniela CARNEVALE, PhD**
Date and place of birth	Cassino (FR), 04/06/1981
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A. EDUCATION AND TRAINING

2010	PhD in Neuroscience – Faculty of Medicine and Surgery, Catholic University of the Sacred Heart in Rome.
2007	Selected for the Third International Course of Neuroscience (European Programme) Attendance to the course "Neuron-glia interactions in health and disease" held in Dubrovnik, Croatia, in October 2007.
2006	Professional qualification in Biology, "Sapienza" University of Rome.
2005	Degree in Biological Sciences, "Sapienza" University of Rome, final mark 110/110 cum laude.
2003-2005	Internship in the Department of Cellular Biology and Neuroscience, Istituto Superiore di Sanità, Rome. Director of the Unit: Dr Luisa Minghetti. Research activity performed: studies on the molecular mechanisms which regulate the inflammatory response in the central nervous system, highlighting the existence of an anti-inflammatory mechanism of cholinergic type, responsible of the response modulation of microglia through the nicotinic receptor α7. The results of this research have been presented in the degree thesis: "Modulation of the microglial activation mediated by the nicotinic receptor α7".

B. PROFESSIONAL EMPLOYMENT AND POST-LAUREAM RESEARCH EXPERIENCE

March 2012-	Assistant Professor/Researcher at the Department of Molecular Medicine of "Sapienza" University of Rome.
2010-2011	Research Collaboration Contract at the Department of Angio-Cardio-Neurology, IRCCS Neuromed, Pozzilli (IS), directed by Professor Giuseppe Lembo.
January 2010	Winner of a 6-month fellowship in the research project "Therapeutic innovation and prognostic stratification: clinical and experimental models" at the Department of Experimental Medicine, "Sapienza" University of Rome, disciplinary group MED/50, under the responsibility of Professor Giuseppe Lembo.
July 2009	Winner of a 6-month Professional Service Contract in the research project "Therapeutic innovation and prognostic stratification: clinical and experimental models" at the Department of Experimental Medicine, "Sapienza" University of Rome, disciplinary group MED/50, under the responsibility of Professor Giuseppe Lembo.
July 2008	Winner of a one-year fellowship for research activity to be carried out in the Unit of Experimental Neurology (Department of Cellular Biology and Neuroscience, Istituto Superiore di Sanità, Rome).
July 2007	Winner of a one-year fellowship for research activity to be carried out in the Unit of Experimental Neurology (Department of Cellular Biology and Neuroscience, Istituto Superiore di Sanità, Rome).

2006-2009 Guest Researcher at the Department of Angio-Cardio-Neurology, IRCCS Neuromed, Pozzilli (IS), Italy, in cooperation with Professor Giuseppe Lembo.

2005-2007 Guest Researcher at the Unit of Experimental Neurology (Department of Cellular Biology and Neuroscience, Istituto Superiore di Sanità, Rome).

C. TEACHING ACTIVITY

2012- Professor of "Psychology and Social Nursing" in the "U" Degree Course in Nursing Sciences of "Sapienza" University of Rome.

2012- Professor of "Evidence Based Nursing" in the "U" Degree Course in Nursing Sciences of "Sapienza" University of Rome.

2012-2014 Professor of "Molecular and Cellular Basis of Life" in the "U" Degree Course in Nursing Sciences of "Sapienza" University of Rome.

2012-2015 Professor of Scientific English III in the "U" Degree Course in Nursing Sciences of "Sapienza" University of Rome.

2011-2012 Professor of Infectious Diseases and Hygiene in the "U" Degree Course in Nursing Sciences of "Sapienza" University of Rome.

2011-2012 Professor of Biology, Biochemistry, Medical Genetics and Applied Physics in the "U" Degree Course in Nursing Sciences of "Sapienza" University of Rome.

2010-2011 Professor of Biology, Biochemistry and Medical Genetics in the "U" Degree Course in Nursing Sciences of "Sapienza" University of Rome.

2009-2010 Appointed Professor of Biology, Biochemistry, Medical Genetics and Applied Physics in the "U" Degree Course in Nursing Sciences of "Sapienza" University of Rome.

D. INSTITUTIONAL RESPONSIBILITIES

2014- Dean of the "U" Degree Course in Nursing Sciences of "Sapienza" University of Rome.

2014- Faculty member, PhD in Translational Medicine, Faculty of Medicine, University of Molise (UNIMOL).

E. HONOURS, AWARDS, PATENTS

2016 Awarded as Fellow of the American Heart Association (FAHA) at the Council on Hypertension 2016 – Orlando (FL) USA.

2014 Eligibility as Associate Professor in Technical and Medical Sciences - (National Program of Qualification for Associate Professorships).

2010 International Patent in the technological field applied to medicine. Date of deposit: 12 May 2010. Number of deposit: TO2010A000397. Inventors: Accornero Federica, Brancaccio Mara, Tarone Guido, Lembo Giuseppe, Carnevale Daniela "Recombinant melusin fusion protein as pharmacological agent in the treatment of heart pathologies and compositions thereof".

2010 Winner of a Poster Award at the XXVII National Congress of the Italian Society of Arterial Hypertension

2009 Winner of a Research Award from the Italian Society of Arterial Hypertension

2009 Winner of a Research Award from the Foundation "Roberto Cornelli" for excellent studies presented at the Ninth International Conference on Alzheimer "AD/PD" held in Prague, Czech Republic, 11-15 March 2009.

2007 Winner of a Research Award from the "Istituto Giuseppe Toniolo di Studi Superiori" for studies led under the supervision of Prof. Pierluigi Navarra (Catholic University of Sacred Heart) and Dr Luisa Minghetti (Istituto Superiore di Sanità)

F. RESEARCH PROJECTS FINANCED BY NATIONAL AND INTERNATIONAL ORGANIZATIONS

2015 "Cellular and molecular insights into the role of immunity in the onset and maintenance of hypertension." - Grant for scientific research "Sapienza" University of Rome. PI

2014 "Use of a MRI scan of new generation, of great accessibility and application ease for preclinical research in arterial hypertension models, for the definition of organ damage". Scientific Research – Year 2014. Granted for the acquistition of "7Tesla MRI" for small animals (Bruker), for the development of a facility for preclinical imaging in murine models of arterial hypertension. Grant for the acquisition of medium and large scientific equipments – "Sapienza" University of Rome - PI

2013 "Characterization of immune reservoirs involved in the adaptive cardiac remodeling to pressure overload". Istituto Pasteur – Foundation Cenci Bolognetti - PI

2012 "Characterization of novel molecular targets in the human vascular wall", Italian Ministry of Health, Regione Molise – RESPONSIBLE OF THE UNIT – CO-PI

2012 "Characterization of novel molecular targets in a mouse model of vascular Alzheimer's Disease." Ricerche Universitarie 2012 – "Sapienza" University of Rome – PI

2008 "Development of tissue-engineered blood vessel for patients candidate to arterial revascularization" financed by the Italian Ministry of Health to Prof. Giuseppe Lembo – PARTICIPANT

2008 "Innovative Therapies in heart failure. The micro-RNA: biology and therapeutic applications in hypertrophia, in the coronary disease and in the heart failure" financed by the Italian Ministry of Health to Prof. Giuseppe Lembo – PARTICIPANT

2008 "Novel combined molecular and stem cell therapeutical approach to treat heart failure" financed by the Italian Ministry of Health to Prof. Giuseppe Lembo – PARTICIPANT

2007 "Identification of novel molecular targets in the treatment of cerebrovascular diseases" financed by the Italian Ministry of Health to Prof. Giuseppe Lembo – PARTICIPANT

G. SCIENTIFIC SOCIETIES

Member of the "American Heart Association (AHA)"
Member of the "Italian Society of Hypertension (SIIA)"

H. SUPERVISION OF STUDENTS

2014 – Supervision of 4 PhD Students - PhD program in Translational Medicine, Faculty of Medicine, Unimol University

2013 – 2015 Supervision of 2 Post Doctoral Fellows - Department of Molecular Medicine - Faculty of Medicine and Pharmacy, Sapienza University of Rome

2009 – 2015 Supervision of 5 BSc Students – Degree Course in Biomedical Laboratory Techniques, "Sapienza" University of Rome

2011 Supervision of 1 BSc Student – Degree Course in Nursing Sciences, "Sapienza" University of Rome

2009 Supervision of 1 MSc Student - Degree Course in Medical Biotechnology, "Tor Vergata" University of Rome

I. EDITORIAL BOARD ACTIVITY

Frontiers in Physiology

J. REVIEWER ACTIVITY

Hypertension; Arteriosclerosis Thrombosis and Vascular Biology; Cardiovascular Research; Cell Death & Disease; Journal of Cardiovascular Medicine; Journal of the Neurological Sciences; Nutrition, Metabolism and Cardiovascular Disease, etc.

K. ADVISOR FOR INTERNATIONAL SCIENTIFIC BODIES

French National Research Agency
Alzheimer's Association

L. INVITED LECTURES

1) **Carnevale D**. "Neuroimmune interactions contribute to hypertension". American Society of Nephrology - 17-20 November, 2016, Chicago, IL, USA.
2) **Carnevale D.** "Phenotyping cardiovascular and immune systems with ultrasound imaging". XX Annual Meeting of the European Council for Cardiovascular Research (ECCR) - 14-16 October, 2016, Garda (VR), Italy.
3) **Carnevale D.** "The immune response in the pathogenesis and target organ damage of hypertension". Capri Cardiovascular Conference 2.0 –15-16 April 2016, Capri.
4) **Carnevale D**. "Neuroimmune Interactions in Hypertension". Angiotensin: From Cell Biology and Signaling Networks to Novel Physiological Paradigms and Therapeutics - Gordon Research Conference - February 21-26, 2016, Barga (LU), Italy.
5) **Carnevale D**. "Role of the Immune System in Arterial Hypertension" Accademia Medica di Roma, Rome, June, 5, 2014. (L'Accademia Medica e i Giovani Ricercatori "Immunometabolismo e malattie croniche").
6) **Carnevale D**. "Molecular mechanisms of hypertension-induced target organ damage." CERM - Centro di Ricerca di Risonanze Magnetiche, Florence, 21 February 2012.
7) **Carnevale D**. "Alzheimer-like pathology in a murine model of arterial hypertension. - Models of dementia; the good, the bad and the future." Cambridge (UK), 15-17 December 2010.
8) **Carnevale D**. "Role of neuroinflammation in hypertension-induced β-amyloid deposition." Bis10 (Brain Ischemia and Stroke), October 6-9 2010, Rome, Italy.
9) **Carnevale D**. "Hypertension and β-amyloid deposition." SINS, Annual Congress of the Italian Society of Neurosciences - October 2-5, 2009, Milan, Italy.

M. SELECTED PRESENTATIONS

1) **Carnevale D**. "Adoptive Transfer of CD8 T Cells With 2 Constitutively Active PI3Kγ Induces Hypertension in Mice." AHA Council on Hypertension, 14–17 September 2016, Orlando, FL, USA.
2) **Carnevale D.**, Perrotta M, Pallante F, Fardella V, Iacobucci R, Cutrone A, Lembo G. Selective splenic denervation inhibits the egression of T cell from spleen, induced by angiotensinII, and protects from hypertension. Council on Hypertension, AHA - Sept. 15–19, 2015, Washington DC.
3) **Carnevale D.**, Casaburo M., De Lucia M., Pallante F., Fardella V., Bressan G., Lembo G. "The myogenic tone of resistance arteries is controlled by a molecular pathway driven by TGFβ through Emilin1 and converging on the regulation of TRP channels." HBPR 2014 American Heart Association, Sept. 9–12, 2014. Hilton San Francisco Union Square, San Francisco, CA, 2013.
4) **Carnevale D.**, Casaburo M., Pallante F., Iacobucci R., De Lucia M., Bressan G., Lembo G., "Splenic PIGF Checks T-Cell Costimulation Allowing the Onset of Hypertension" Arteriosclerosis, Thrombosis, and Vascular Biology 2014 Scientific Sessions, scheduled for May 1-3, 2014, in Toronto, Ontario, Canada.

5) **Carnevale D.**, Casaburo M., De Lucia M., Pallante F., Fardella V., Bressan G., Lembo G., "L'ablazione inducibile di emilina1 nelle cellule muscolari lisce induce ipertensione, aumentando il tono miogenico attraverso un pathway TGFβ/ALK5". XXX National Congress of the Italian Society of Arterial Hypertension. Rome, 3 - 5 October 2013.
6) **Carnevale D.**, Pallante F., Fardella V., De Lucia M., Fardella S., Iacobucci R., Lembo G., "PlGF, fattore di crescita placentare, ha un ruolo cruciale nella risposta ipertensiva ad angiotensinaII e nell'infiltrato linfocitario negli organi bersaglio". XXX National Congress of the Italian Society of Arterial Hypertension. Rome, 3 - 5 October 2013.
7) **Carnevale D.**, Damato A., Cifelli G., Bressan G., Lembo G., "Emilina1 espressa nelle cellule muscolari lisce è un regolatore della risposta miogenica dei vasi di resistenza e della pressione arteriosa." XXIX National Congress of the Italian Society of Arterial Hypertension. Rome, 4 - 6 October 2012.
8) **Carnevale D.**, Mascio G., D'Andrea I., Fardella V., Fardella S., Pallante F., Lembo G. "L'ipertensione arteriosa induce deposizione di β-amiloide e deficit cognitivo, attraverso l'attivazione del recettore RAGE nell'endotelio dei vasi cerebrali." XXIX National Congress of the Italian Society of Arterial Hypertension. Rome, 4 - 6 October 2012.
9) **Carnevale D**, Mascio G, D'Andrea I, Yan SD, Lembo G. "Hypertension triggers vascular related Alzheimer by activation of RAGE." Alzheimer's Association International Conference on Alzheimer's Disease (AAICAD). Paris, France, July 16-21, 2011.
10) **Carnevale D**, Vecchione C, Mascio G, Cifelli G, Lembo G. "L'inibizione farmacologica di PI3Kγ riduce la pressione interferendo con il pathway Akt/canali del calcio L-type: una nuova possibilità terapeutica per l'ipertensione". National Congress of the Italian Society of Arterial Hypertension. Rome, 30 September - 3 October 2010.

N. Collaborations

- Prof. Matthias Nahrendorf, Harvard University, Boston, MA, USA
  Investigation of immune mechanisms involved in cardiovascular diseases
- Prof. Giorgio Bressan, University of Padova, Italy
  Role of Emilin proteins in vascular pathophysiology
- Prof. David Harrison, University of Vanderbilt, Nashville, USA
  Immune mechanisms in hypertension
- Prof. Tom Guzik, University of Glasgow, UK
  Immune mechanisms in hypertension

O. Publications [Impact Factor=IF 2015 JCR Science Edition]

1) Maffei A, Cifelli G, Carnevale R, Iacobucci R, Pallante F, Fardella V, Fardella S, Hirsch E, Lembo G, **Carnevale D.** PI3Kγ Inhibition Protects Against Diabetic Cardiomyopathy in Mice. Rev Esp Cardiol (Engl Ed). 2017 Jan;70(1):16-24.

   IF: 4.596
2) Perrotta M, Lembo G, **Carnevale D**, The Multifaceted Roles of PI3Kγ in Hypertension, Vascular Biology, and Inflammation, Int. J. Mol. Sci. 2016, 17, 1858.

   IF: 3.257
3) **Carnevale D**, Perrotta M, Pallante F, Fardella V, Iacobucci R, Fardella S, Carnevale L, Carnevale R, De Lucia M, Cifelli G, Lembo G, A Cholinergic-Sympathetic Pathway primes Immunity in Hypertension and Mediates Brain-To-Spleen Communication, Nat Commun. 2016 Sep 27;7:13035.

   IF: 11.329

4) Landolfi A, Selvetella G, Cugino D, Grillea G, Maffei A, Notte A, Lembo G, **Carnevale D**. Hemorrhagic transformation of acute ischemic stroke is limited in hypertensive patients with cardiac hypertrophy. Int J Cardiol. 2016 Sep 15;219:362-6.

IF: 4.638

5) **Carnevale D**, Lembo G. Immunological Aspects of Hypertension. High Blood Press Cardiovasc Prev. 2016 Jun;23(2):91-5.

IF:-

6) Perrotta M, Lembo G, Carnevale D. Hypertension and Dementia: Epidemiological and Experimental Evidence Revealing a Detrimental Relationship. Int J Mol Sci. 2016 Mar 8;17(3). pii: E347.

IF: 3.257

7) Stöhr R, Kappel BA, **Carnevale D**, Cavalera M, Mavilio M, Arisi I, Fardella V, Cifelli G, Casagrande V, Rizza S, Cattaneo A, Mauriello A, Menghini R, Lembo G, Federici M. TIMP3 interplays with apelin to regulate cardiovascular metabolism in hypercholesterolemic mice. Mol Metab. 2015 Aug 6;4(10):741-52.

IF: 5.363

8) **Carnevale D**, Lembo G. PlGF, immune system and hypertension. Oncotarget. 2015 Jul 30;6(21):18246-7.

IF: 5.008

9) **Carnevale D**, Perrotta M, Lembo G, Trimarco B. Pathophysiological Links Among Hypertension and Alzheimer's Disease. High Blood Press Cardiovasc Prev. 2015 Jun.

IF:-

10) D'Andrea A, Fardella V, Fardella S, Pallante F, Ghigo A, Iacobucci R, Maffei A, Hirsch E, Lembo G, **Carnevale D**. Lack of kinase independent activity of PlK3y in locus coeruleus induces ADHD symptoms through increased signaling. EMBO Molecular Medicine. 2015 Apr 16;7(7):904-17.

IF: 9.547

11) **Carnevale D**, Pallante F, Fardella V, Fardella S, Iacobucci R, Federici M, Cifelli G, De Lucia M, Lembo G. PlGF mediates a neuroimmune interaction in the spleen to allow the onset of hypertension. Immunity. 2014 Nov 20;41(5):737-52.

IF: 24.082

12) Perino A, Beretta M, Kilić A, Ghigo A, **Carnevale D**, Repetto IE, Braccini L, Longo D, Liebig-Gonglach M, Zaglia T, Iacobucci R, Mongillo M, Wetzker R, Bauer M, Aime S, Vercelli A, Lembo G, Pfeifer A, Hirsch E. Combined inhibition of PI3Kβ and PI3Kγ reduces fat mass by enhancing α-MSH-dependent sympathetic drive. Sci Signal. 2014 Nov 18;7(352):ra110.

IF: 7,359

13) **Carnevale D**, Lembo G. G-Protein-Coupled Receptor Kinases in Hypertension. High Blood Press Cardiovasc Prev. 2013 Mar;20(1):3-4.

IF: -

14) Tassone EJ, Sciacqua A, Andreozzi F, Presta I, Perticone M, **Carnevale D**, Casaburo M, Hribal ML, Sesti G, Perticone F. Angiotensin (1-7) counteracts the negative effect of angiotensin II on insulin signaling in HUVECs. Cardiovasc Res. 2013 Jul 1;99(1):129-36.

IF: 5.465

15) **Carnevale D**, Lembo G. Placental Growth Factor and Cardiac Inflammation. Trends Cardiovasc Med. 2012 Nov;22(8):209-12.

IF: 3.075

16) Litteri G, **Carnevale D**, D'Urso A, Cifelli G, Braghetta P, Damato A, Bizzotto D, Landolfi A, Ros FD, Sabatelli P, Facchinello N, Maffei A, Volpin D, Colombatti A, Bressan GM, Lembo G. Vascular smooth muscle emilin-1 is a regulator of arteriolar myogenic response and blood pressure. Arterioscler Thromb Vasc Biol. 2012 Sep;32(9):2178-84.

IF: 5.969

17) **Carnevale D**, Mascio G, D'Andrea I, Fardella V, Bell RD, Branchi I, Pallante F, Zlokovic B, Yan SS, Lembo G. Hypertension induces brain β-amyloid accumulation, cognitive impairment and memory deterioration through activation of rage in brain vasculature. Hypertension. 2012 Jul;60(1):188-97.

IF: 6.350

18) **Carnevale D**, Lembo G. PI3Kγ in hypertension: a novel therapeutic target controlling vascular myogenic tone and target organ damage. Cardiovasc Res. 2012 Sep 1;95(4):403-8.

IF: 5.465

19) **Carnevale, D**., Vecchione, C., Mascio, G., Esposito, G., Cifelli, G., Martinello, K., Landolfi, A., Selvetella, G., Grieco, P., Damato, A., Franco, E., Haase, H., Maffei, A., Ciraolo, E., Fucile, S., Frati, G., Mazzoni, O., Hirsch, E., Lembo, G. PI3K{gamma} inhibition reduces blood pressure by a vasorelaxant akt/ltcc mechanism. Cardiovasc Res. 2012 Jan 1;93(1):200-9.

IF: 5.465

20) **Carnevale D**, Cifelli G, Mascio G, Madonna M, Sbroggiò M, Perrino C, Persico MG, Frati G, Lembo G. PlGF regulates cardiac inflammation through TIMP-3/TACE axis: crucial role for adaptive cardiac remodeling during TAC. Circulation. 2011 Sep 20;124(12):1337-50.

IF: 17.202

21) **Carnevale D**, Lembo G. 'Alzheimer-like' pathology in a murine model of arterial hypertension. Biochem Soc Trans. 2011 Aug 1;39(4):939-44.

IF: 2.679

22) Sbroggiò M, **Carnevale D**, Bertero A, Cifelli G, De Blasio E, Mascio G, Hirsch E, Bahou WF, Turco E, Silengo L, Brancaccio M, Lembo G, Tarone G. IQGAP1 regulates ERK1/2 and AKT signaling in the heart and sustains functional remodeling upon pressure overload. Cardiovasc Res. 2011 Aug 1;91(3):456-64.

IF: 5.465

23) **Carnevale D**, Lembo G, Frati G. "Chronic Type A aortic dissection: could surgical intervention be guided by molecular markers?" J Cell Mol Med. 2011 Jul;15(7):1615-9.

IF: 4.938

24) Damilano F, Franco I, Perrino C, Schaefer K, Azzolino O, **Carnevale D**, Cifelli G, Carullo P, Ragona R, Ghigo A, Perino A, Lembo G, Hirsch E. Distinct effects of leukocyte and cardiac PI3Kγ activity in pressure overload-induced cardiac failure. Circulation. 2011 Feb 1;123(4):391-9.

IF: 17.202

25) **Carnevale D**, Mascio G, Ajmone-Cat MA, D'Andrea I, Cifelli G, Madonna M, Cocozza G, Frati A, Carullo P, Carnevale L, Alleva E, Branchi I, Lembo G,Minghetti L. Role of neuroinflammation in hypertension-induced brain amyloid pathology. Neurobiol Aging. 2012 Jan;33(1):205.e19-29.

IF: 5.153

26) Berry A, **Carnevale D**, Giorgio M, Pelicci PG, de Kloet ER, Alleva E, Minghetti L, Cirulli F. Greater resistance to inflammation at adulthood could contribute to extended life span of p66(Shc-/-) mice. Exp Gerontol. 2010 May;45(5):343-50.

IF: 3.350

27) Branchi I, D'Andrea I, Armida M, **Carnevale D**, Ajmone-Cat MA, Pèzzola A, Potenza RL, Morgese MG, Cassano T, Minghetti L, Popoli P, Alleva E. Striatal 6-Ohda Lesion In Mice: Investigating Early Neurochemical Changes Underlying Parkinson's Disease. Behav Brain Res. 2010 17; 208(1):137-43.

IF: 3.002

28) Vecchione C, **Carnevale D**, Di Pardo A, Gentile MT, Damato A, Cocozza G, Antenucci G, Mascio G, Bettarini U, Landolfi A, Iorio L, Maffei A, Lembo G. Pressure-induced vascular oxidative stress is mediated through activation of integrin-linked kinase 1/betaPIX/Rac-1 pathway. Hypertension. 2009 Nov;54(5):1028-34.

IF: 6.350

29) Vecchione C, Frati A, Di Pardo A, Cifelli G, **Carnevale D**, Gentile MT, Carangi R, Landolfi A, Carullo P, Bettarini U, Antenucci G, Mascio G, Busceti CL, Notte A, Maffei A, Cantore GP, Lembo G. Tumor necrosis factor-{alpha} mediates hemolysis-induced vasoconstriction and the cerebral vasospasm evoked by subarachnoid hemorrhage. Hypertension. 2009 Jul;54(1):150-6.

IF: 6.350

30) **Carnevale D**, De Simone R, Minghetti L. Microglia-neuron interaction in inflammatory and degenerative diseases: role of cholinergic and noradrenergic systems. CNS Neurol Disord Drug Targets. 2007 Dec;6(6):388-97.

IF: 2.188

31) De Simone R, Ambrosini E, **Carnevale D**, Ajmone-Cat MA, Minghetti L. NGF promotes microglial migration through the activation of its high affinity receptor: modulation by TGF-beta. J Neuroimmunol. 2007 Oct;190(1-2):53-60.

IF: 2.536

32) De Simone R, Ajmone-Cat MA, **Carnevale D**, Minghetti L. Activation of alpha7 nicotinic acetylcholine receptor by nicotine selectively up-regulates cyclooxygenase-2 and prostaglandin E2 in rat microglial cultures. J Neuroinflammation. 2005 Jan 25;2(1):4.

IF: 4.667