



Sezione di Biochimica Medica

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CURRICULUM VITAE: prof. NICOLETTI Vincenzo Giuseppe

Department of Biomedical and Biotechnological Sciences (BIOMETEC), Section of Medical Biochemistry.
University of Catania (Italy). Tel.+39-0954781160 – mobile +39 3200543972. Email: nicovigi@unict.it.

Academic appointments and education:

- Since 2002 Nov. 1st. **present position: Associate Professor:** Biochemistry, School of Medicine, department of Biomedical and Biotechnological Sciences (BIOMETEC), Section of Medicinal Biochemistry. University of Catania (Italy). Tel.+39-0954781160 – mobile +39 3200543972. Email: nicovigi@unict.it.
- 1997/3/24, **Researcher** at University of Catania, Italy, Faculty of Medicine.
- 1993-1994, **Post-Doctoral fellow in Neurobiology:** "Studies on the regulation of tissue specific expression of glial fibrillary acidic protein (GFAP) gene".
- 1990-1992, **Biennial fellowship by C.N.R.** (National Italian Council of Research): "Isolation and nucleic acid sequence characterization of glial fibrillary acidic protein (GFAP) gene".
- 1988-1989, **Research fellow** at the Molecular Biology Department of the "Institute for Basic Research in developmental disabilities", Staten Island, New York (USA), Prof. David Soifer's laboratory: "studies on the expression of neurofilament subunits in transfected non neural cell cultures".
- 1987-1989 **Ph.D. in Neurobiology** University of Catania (Italy). Institute of Biochemistry, Faculty of Medicine. Thesis: "*Biosynthesis of specific proteins in the central and peripheral nervous system*".
- 1985/Dec./20 **Degree of Specialist in Marine Biochemistry**, with *magna cum laude*, University of Messina (Italy).
- 1985 qualification as **Professional Biologist**, University of Catania (Italy).
- 1983/Nov./22 **Graduation** in Biological Sciences, with *magna cum laude*, University of Catania (Italy).

Membership of scientific societies:

Italian Society of Biochemistry (SIB).
European Society for Neurochemistry (ESN).
Consorzio Interuniversitario di Ricerca dei Metalli nei Sistemi Biologici (CIRCMSB).
Consorzio Interuniversitario Biotecnologie (CIB).
Consorzio Interuniversitario Istituto Nazionale Biostrutture e Biosistemi (INBB).

Teaching and responsibilities:

- Faculty of Medicine: course of Biochemistry and Molecular Biology; course of Nutritional Biochemistry; course of General Chemistry and Propaedeutic Biochemistry.
- Faculty of Dentistry: course of General Chemistry and Propaedeutic Biochemistry.
- Faculty of Chemical Science: course of Advanced Biochemistry.
- School of Specialization in Clinical Biochemistry: course of Biochemistry.
- School of specialization in Clinical Microbiology: courses of Molecular Biology, and Biochemistry.
- Master (II level) in "Molecular diagnostics and translational biomedicine", project: POR FSE, teaching course #5.5: "Angiogenesis and neurodegeneration", from 10-11-2011 to 15-11-2011.
- Master (II level) in "Project and Molecular diagnostics in Oncology", project PON01_01078, teaching courses: #A4.2: "Angiogenesis" 2; #A3.5: "Autophagy and Apoptosis" 2; teaching course #A3.3: "Metal-chaperones and carriers" from 09-07-2013 to 18-09-2013.
- Master (II level) in "Molecular diagnostics and translational biomedicine", project: POR FSE, teaching course #5.4: "Angiogenesis and neurodegeneration", from 10-10-2013 to 16-10-2013.



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- Advisory committee of International Doctorate in “Neurobiology” - academic years from 2003 to 2016:
- Component of the Department Directory Council at Department of Chemical Sciences, University of Catania. Academic years 2004/05 to 2008/09.
- Component of the international doctorate in “Translational Biomedicine” - academic years from 2013 to 2016.
- Since 2015-11-1st to November 2019: President of the Master degree in Biomolecular Chemistry (at Department of Chemical Sciences, University of Catania, Italy).
- Academic years 2014/15 to 2017/18, component of the Department Directory Council at the department of Biomedical and Biotechnological Sciences (BIOMETEC), University of Catania.
- Advisory committee of the international doctorate in “Biotechnology” 2017.
- EUNICE –European University for Customised Education. 2023-24 Master in Bioinspired Chemistry (Master 2nd level).

Congress organization or participation as invited speaker:

- invited speaker GIBB-ABCD Congress – Catania (Italy) 23-26 June 2007 "Advanced glycation end products (AGEs) as critical pathogenetic factors in neurodegenerative disorders".
- Organization Committee of GIBB-ABCD Congress - Catania (Italy) 23-26 June 2007
- Invited speaker: 54th National Meeting of the Italian Society of Biochemistry and Molecular Biology (SIB) "Glycating conditions affect aggregation and toxicity of amyloidogenic peptides" dal 23-27 September 2009.
- Organization Committee of 6th S.I.Bio.C. Congress "Il ruolo della Medicina di Laboratorio nella pratica clinica" 08-09 October 2009.
- Scientific Committee of SINS 2012 XIV “Congress of the Italian Society for Neuroscience” plus 1st Joint meeting with the Israel Society for Neuroscience. 19-22 April 2012.
- Invited speaker: IT-ARVO Chapter Meeting Ocular Pharmacology – “Life-changing research” Catania (Italy), 3-4 Febbraio 2014 “Trehalose effects on alpha-crystallin aggregates”. Dal 03-04 February 2014
- Invited speaker: Ricerca, Clinica e Tecnologia: nuove sfide in odontostomatologia, Palazzo dei Normanni – Palermo 16 Gennaio 2025. “Meccanismi molecolari dei processi neurorigenerativi e potenziali effetti dei campi magnetici”.
- Summer School 2024 Master of Excellence Eunice in Bio-Inspired Chemistry “Studying amyloidogenesis: the challenging problem of protein aggregation” Mons (BE), 16th - 20th 2024.
- Congresso Internazionale Anthec: NEW REGENERATIVE THERAPIES: Il futuro della salute 4-5-6 Settembre 2025, Palazzo Corvaja Taormina. “Repetitive magnetic stimulation (rMS) affects SHSY5Y cell differentiation and recovery”.

Research grants and collaborations

- PRIN 1998 (Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale) 24 months from 20-12-1998 to 19-12-2000.
- PRIN 2000 (Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale) 24 months from 20/12/2000 to 19-12-2002.
- PRIN 2000 (Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale) 24 months from 30/01/2006 to 31-12-2007.
- PRA 2007 (Progetti di Ricerca di Ateneo) from 21-11-2008 to 21-11-2009.
- PRA 2008 (Progetti di Ricerca di Ateneo) from 03-12-2009 to 03-12-2010.



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- PRIN 2008 (Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale) 24 months from 22-03-2010 to 22-09-2012.
- PON prot. PON01_01078 "Identification of biomarkers and development of diagnostic and therapeutic methods in the fields of oncology and vascular biology" from 15-07-2010 to 14-05-2015.
- FIRB MERIT prot. RBNE08HWLZ "Molecular basis of degenerative aging-related syndromes" Research Unit N.7. From 05-07-2011 to 05-07-2015.
- PRIN 2010 – 2011 (Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale) 24 months from "Metal Ions in age-related diseases: Metallostasis e Proteostasis interplay in Neurodegeneration". From 01-02-2013 to 01-02-2016.
- FIR 2014 (cod. 9DD800) "Interazione di frammenti di NGF con ioni metallici" from 04-02-2015 to 04-02-2017.
- PRIN 2015 (Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale) 24 months from 05/02/2017 to 05/02/2020.
- PIACERI 2020/22 "Fragment-sized covalent inhibitors of MAOs to fight neurodegenerative diseases and repositioning against the 3CLPro main protease of the SARS-COV-2 and antibiotic resistances".
- PIACERI 2024/26 "FUMARAtO, Inversione del Ciclo di KREBs e Fibrosi Midollare nella Mielofibrosi (FUMARACREB)"

Other scientific responsibilities:

- New York State Institute for Basic Research in Developmental Disabilities - Visiting Researcher Fellow from 01-09-1988 to 20-08-1989.
- Scientific collaboration with "CELLGENE" - "Lenalidomide: effects on neurovascular coupling" - from 08-11-2011 to 08-11-2012.
- Supervisor of research fellowship: Project FIRB MERIT 2008 – Protocol RBNE08HWLZ from 01-10-2012 to 01-10-2013.
- Supervisor of research fellowship based on grant: PON prot. PON01_01078 from 03-04-2014 to 03-04-2015.
- Management Committee for II level Master: "Progettazione e Diagnostica Molecolare in Oncologia" Project PON01_01078, from 07-03-2013 to 07-04-2014.
- Since 2019, Editorial Board member: "Diseases".

Scientific interests

The research of Prof. Nicoletti V.G. is focused on the study of molecular basis of neurodegenerative disorders: study of mitochondrial bioenergetics, study of signal transduction pathways, roles of nitric oxide synthase, roles of poly(ADP)ribose polymerase (PARP), mechanisms and effects of amyloidogenic processes, effects of pleiotropic molecules (carnosine, threosine and derivatives), role of metallostasis, importance of proteostasis.

PUBLICATIONS

1. D.F. Condorelli, R. Avola, N. Belluardo, L. Insirello, V.G. Nicoletti, P. Carpano, M. Bindoni and A.M. Giuffrida-Stella. (1988). *Astroglial response to injury of hippocampal neurons*. Senile Dementias II International Symposium Eds. (A. Agnoli, J. Cahn, N. Lassen, R. Mayeux) John Libbey Eurotext, Paris. pp. 27-39.
2. D.F. Condorelli, R. Avola, N. Ragusa, L. Insirello, V.G. Nicoletti, P. Carpano, N. Belluardo, M. Bindoni and A.M. Giuffrida-Stella. (1988). *Astrocyte mitogenic factors from rat hippocampus after toxin induced neuronal degeneration*. *Int. J. Biochem.* 38: 118A-121A. (IF 0.379)



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3. D.F. Condorelli, N. Belluardo, R. Avola, L. Insirello, P. Carpano, V. Nicoletti, M. Bindoni and A.M. Giuffrida-Stella. (1989). *Effect of trophic factors, released after hippocampal injury, on astroglial cell proliferation*. Metabolic Brain Disease 4: 41-46. (IF 1.029)
4. D.F. Condorelli, V. Nicoletti, P. Carpano, L. Insirello, R. Avola and A.M. Giuffrida-Stella. (1990). *Epidermal growth factor treatment during early postnatal development: glutamine synthetase and glutamate decarboxylase activities in mouse brain*. Int. J. Dev. Neurosci. 8: 1-8. (IF 1.557)
5. V. Spina-Purrello, R. Avola, D.F. Condorelli, V. Nicoletti, L. Insirello, S. Reale, A. Costa, N. Ragusa and A.M. Giuffrida-Stella. (1990). *ADP-ribosylation of proteins in brain regions of rats during postnatal development*. Int. J. Dev. Neurosci. 8: 167-174. (IF 1.557)
6. D. Soifer, V. Nicoletti, K. Cabane, K. Mack, and B. Poulos. (1991). *Expression of the Neurofilament Protein NF-H in L-cells*. J. Neurosci. Res. 30: 63-71. (IF 3.637)
7. R. Avola, P. Carpano, F. Ingrao, G. Magri, L. Insirello, V.G. Nicoletti, D.F. Condorelli, N. Ragusa, and A.M. Giuffrida-Stella. (1991). *Epidermal growth factor stimulates the proliferation of cerebellar immature astrocytes, maintained under different culture conditions*. It. J. Biochem. 40: 79A-82A. (IF 0.379)
8. Avola R., Magri G., Ingrao F., Insirello L., Carpano P., Nicoletti V.G., Condorelli D.F., Ragusa N., and Giuffrida Stella A.M. (1991). *Effect of EGF on DNA labeling in rat cerebellar immature astrocytes, maintained under different culture conditions: presence or absence of polylysine and/or serum*. Annals of the New York Academy of Sciences, 633: 540-542. (IF 1.030)
9. Nicoletti V. G. and D. F. Condorelli (1992). *Optimized PEG-method for rapid purification of high-quality plasmid DNA: high yield from "midi-prep"*. BioTechniques, 14: 532, 536. (IF 2.251)
10. Nicoletti V.G., Condorelli D.F., Dell'Albani P., Bonanno G., Giuffrida Stella AM (1992). *Expression and structure of the rat GFAP gene*. It. J. Biochem. 41, 366A-368A. (IF 0.379)
11. Nicoletti V.G., Dell'Albani P., Condorelli D.F., Giuffrida Stella A.M. (1994). *Glutamate receptor expression during aging in rat brain*. It. J. Biochem., 43: 43A. (IF 0.379)
12. Nicoletti V.G., Barresi V., Caruso A., Conticello S., Condorelli D.F., Giuffrida Stella A.M. (1994). *Methylation status and tissue-specific expression of the rat GFAP gene*. It. J. Biochem., vol 43, N° 5, 247A-249A. (IF 0.379)
13. Condorelli D.F., Nicoletti V.G., Barresi V., Caruso A., Conticello S., de Vellis J.*, Giuffrida Stella A.M. (1994). *Tissue-specific DNA Methylation Patterns of the Rat Glial Fibrillary Acidic Protein Gene*. Journal of Neuroscience Research, 39: 694-707. (IF 3.637)
14. Nicoletti V.G., Condorelli D.F., Dell'Albani P., Ragusa N., Giuffrida-Stella A.M. (1995). *α -amino-3-hydroxy-5-methylisoxazolepropionate-selective glutamate receptor subunits in rat hippocampus during aging*. Journal of Neuroscience Research 40: 220-224. (IF 3.377)
15. V. G. Nicoletti, E. A. Tendi, C. Licata, S. Reale, A. Costa, R. F. Villa, N. Ragusa, and A. M. Giuffrida Stella (1995) *Changes of mitochondrial cytochrome c oxidase and FoF1 ATP synthase subunits in rat cerebral cortex during aging*. Neurochem. Res. vol. 20, 1465-1470. (IF 1.577)
16. Nicoletti V. G., Tendi E. A., Licata C., Reale S., Costa A., Villa R. F. , Guerrieri F., Ragusa N. , and Giuffrida Stella A. M. (1995) *Modifications of mitochondrial cytochrome c oxidase and FoF1 ATP synthase subunits content in rat cerebral cortex during aging*. It. J. Biochem. vol. 44, 329A-331A. (IF 0.379)
17. Nicoletti V. G., Tendi E. A., Licata C., Reale S., Costa A., Villa R.F., Ragusa N., and Giuffrida Stella A. M. (1996) *Age-related changes of mitochondrial cytochrome c oxidase and FoF1 ATP synthase subunit contents in rat cerebral cortex*. Arch. Gerontol.Geriatr., Suppl.5, 509-514. (IF 0.779)
18. Nicoletti V. G., Tendi E. A., Console A., Privitera A., Ragusa N., and Giuffrida Stella A. M. (1996) *Gene expression of cytochrome c oxidase and FoF1-ATPase subunits in rat brain during aging*. It. J. Biochem. vol. 45, 176. (IF 0.379)
19. Condorelli D.F., Dell'Albani P., Conticello S., Barresi V., Nicoletti V.G., Caruso A., Kahn M., Vacanti M., Albanese V., de Vellis J., Giuffrida Stella A.M. (1997) *A neural-specific demethylated domain in the distal promoter of the glial fibrillary acidic protein gene*. Developmental Neuroscience 19: 446-456. (IF 1.596)
20. Nicoletti V. G., Tendi E. A., Console A., Privitera A., Villa R.F., Ragusa N., and Giuffrida Stella A. M. (1998) *Regulation of cytochrome c oxidase and FoF1-ATPase subunits expression in rat brain during aging*. Neurochem. Res. vol. 23, 55-61. (IF 1.677)
21. Nicoletti V.G., Caruso A., Tendi E.A., Privitera A., Console A., Calabrese V., Spadaro F., Ravagna A., Copani A. and Giuffrida Stella A.M.* (1998) *Effect of NO synthase induction in mixed cortical and astroglial cell cultures on the expression of mitochondrial respiratory chain enzyme subunits*. Biochimie 80, 871-881. (IF 1.617)
22. Condorelli D.F., Nicoletti V.G., Barresi V., Conticello S.G., Caruso A., Tendi E.A., Giuffrida Stella A.M. (1999) *Structural features of the rat GFAP gene and identification of a novel alternative transcript*. Journal of Neuroscience Research. Vol. 56(3):219-28. (IF 2.874)
23. Condorelli D.F., Nicoletti V.G., Dell'Albani P., Barresi V., Caruso A., Conticello S.G., Belluardo N., Giuffrida Stella A.M. (1999) *GFAP mRNA expression in the normal rat brain and after brain injury*. Neurochem. Res., 24 (5), 709-714. (IF 1.677)



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24. Calabrese V., Copani A., Testa D., Ravagna A., Spadaro F., Tendi E., **Nicoletti V.G.** and Giuffrida Stella A.M. (2000) *Nitric oxide synthase induction in astroglial cell cultures: effect on Heat shock protein 70 synthesis and oxidant/antioxidant balance*. Journal of Neuroscience Research. 60: 613-622. **(IF 2.874)**
25. Dell'Albani P., Santangelo R., Torrisi L., **Nicoletti V.G.**, de Vellis J. and Giuffrida Stella A.M. (2001) *JAK/STAT signaling pathway mediates cytokine-induced iNOS expression in primary astroglial cell cultures*. Journal of Neuroscience Research. 65: 417-424. **(IF 2.874)**
26. **Nicoletti VG**, Meli GA, Marino VM, Copani A, Giuffrida-Stella AM (2001) *NMDA-induced neuroprotection in cerebellar granule cells: correlation with mitochondrial respiratory enzyme expression*. Mitochondrion 1 (Suppl. 1): S70.
27. **V.G. Nicoletti**, V. Spina-Purrello, D. Patti, R. Santangelo and A.M. Giuffrida Stella. (2001) *Dual role of PARP expression after iNOS induction in astroglial cell: proapoptotic or rescuing*. J. Neurochem. 77 (suppl. 1): 47.
28. Dell'Albani P., Santangelo R., Torrisi L., **Nicoletti V.G.**, Albanese V., De Vellis J. and Giuffrida-Stella A.M. (2001) *Inducible nitric oxide synthase expression in astroglial cells: role of JAK2 and STAT1 α/β* . J. Neurochem. 78 (suppl. 1): 149.
29. **Nicoletti VG**, Nicoletti R, Ferrara N, Meli G, Reibaldi M, Reibaldi A. (2003) *Diabetic patients and retinal proliferation: an evaluation of the role of vascular endothelial growth factor (VEGF)*. Exp. Clin. Endocrinol. Diabetes. 111: 209-14.
30. Nicoletti VG and Giuffrida Stella AM (2003) *Role of PARP under Stress Conditions: Cell Death or Protection?* Neurochemical Research. 28: 187-194. **IF 1.763**
31. Dell'Albani P, Santangelo R, Torrisi L, **Nicoletti VG**, Giuffrida Stella AM. (2003) *Role of the JAK/STAT signal transduction pathway in the regulation of gene expression in CNS*. Neurochem Res. 28: 53-64. **IF 1.763**
32. C. Cuppari, V. Spina-Purrello, D. Patti, D. Licciardello, P. Perticone, A.M. Giuffrida-Stella, **V.G. Nicoletti**. (2004) *A625-35 toxicity in primary astroglial cell cultures is correlated with status of aggregation*. The Italian Journal of Biochemistry vol. 53 n.3:275.
33. **Nicoletti V. G.**, Marino V. M., Cuppari C., Licciardello D., Patti D., Spina Purrello V., and A. M. Giuffrida Stella (2005) *Effect of Antioxidant Diets on Mitochondrial Gene Expression in Rat Brain During Aging* Neurochem. Res. 30: 737-752. **IF 2,187**
34. Attanasio F, Cascio C, Fisichella S, **Nicoletti VG**, Pignataro B, Savarino A, Rizzarelli E. (2007) *Trehalose effects on alpha-crystallin aggregates*. Biochem. Biophys. Res. Commun. 354(4):899-905. (Epub 2007 Jan 22). **IF 2,749**
35. **Nicoletti V. G.**, Santoro A. M., Grasso G., Vagliasindi L. I., Giuffrida M. L., Cuppari C., Spina Purrello V., Giuffrida Stella A., Rizzarelli E. (2007) *Carnosine Interaction with Nitric Oxide and Astroglial Cells Protection*. Journal of Neuroscience Research, 85:2239-2245. **IF 3,268**
36. V. Spina-Purrello, D. Patti, A. M. Giuffrida-Stella, V. G. Nicoletti (2008) *PARP and cell death or protection in rat primary astroglial cell cultures under LPS/IFN γ induced proinflammatory conditions*. Neurochem Res. 33:2583-92. **IF 2,187**
37. Attanasio F, Cataldo S, Fisichella S, Nicoletti S, **Nicoletti VG**, Pignataro B, Savarino A, Rizzarelli E. (2009) *Protective Effects of L- and D-Carnosine on alpha-Crystallin Amyloid Fibril Formation: Implications for Cataract Disease*. Biochemistry. 48: 6522-6531. **IF 3,379**
38. Vittoria Spina-Purrello, Salvatrice Giliberto, Vincenza Barresi, Vincenzo G. Nicoletti, Anna Maria Giuffrida Stella, Enrico Rizzarelli (2010) *Modulation of PARP-1 and PARP-2 Expression by L-carnosine and Trehalose After LPS and INF γ -Induced Oxidative Stress*. Neurochem Res 35:2144-2153. **IF1,576**.
39. Travaglia A, Arena G, Fattorusso R, Isernia C, La Mendola D, Malgieri G, **Nicoletti VG**, Rizzarelli E. (2011). *The inorganic perspective of Nerve Growth Factor: interactions of Cu $^{2+}$ and Zn $^{2+}$ with the N-terminus fragment of Nerve Growth Factor encompassing the recognition domain of the TrkA receptor*. CHEMISTRY - A EUROPEAN JOURNAL Mar 21;17(13):3726-38. doi: 10.1002/chem.201002294. Epub 2011 Feb 25. **IF 5,382**
40. Travaglia A, Pietropaolo A, La Mendola D, **Nicoletti VG**, Rizzarelli E. (2012) *The inorganic perspectives of neurotrophins and Alzheimer's disease*. J Inorg Biochem. 111:130-7. doi: 10.1016/j.jinorgbio.2011.10.017. Epub 2011 Dec 1. **IF 3.197**
41. Travaglia A, La Mendola D, Magri A, **Nicoletti VG**, Pietropaolo A, Rizzarelli E. (2012) *Copper, BDNF and Its N-terminal domain: inorganic features and biological perspectives*. Chemistry 18(49):15618-31. doi: 10.1002/chem.201202775. Epub 2012 Nov 7.
42. Chillemi R, Greco V, **Nicoletti VG**, Sciuto S. (2013) *Oligonucleotides conjugated to natural lipids: synthesis of phosphatidyl-anchored antisense oligonucleotides*. Bioconjug Chem. 24(4):648-57. doi: 10.1021/bc300602g. Epub 2013 Mar 15.
43. Travaglia A, La Mendola D, Magri A, Pietropaolo A, **Nicoletti VG**, Grasso G, Malgieri G, Fattorusso R, Isernia C, Rizzarelli E. (2013) *Zinc(II) interactions with brain-derived neurotrophic factor N-terminal peptide fragments: inorganic features and biological perspectives*. Inorg Chem. 52(19):11075-83. doi: 10.1021/ic401318t. Epub 2013 Sep 26. **IF 4.794**
44. Sinopoli A, Magri A, Milardi D, Pappalardo M, Pucci P, Flagiello A, Titman JJ, **Nicoletti VG**, Caruso G, Pappalardo G, Grasso G. (2014) *The role of copper(II) in the aggregation of human amylin*. Metallomics. 2014 6(10):1841-52. doi: 10.1039/c4mt00130c. Epub 2014 Aug 1. **IF 3.585**
45. Tabbi G, Magri A, Giuffrida A, Lanza V, Pappalardo G, Naletova I, **Nicoletti VG**, Attanasio F, Rizzarelli E. (2015) *Semax, an ACTH4-10 peptide analog with high affinity for copper(II) ion and protective ability against metal induced cell toxicity*. J Inorg Biochem. 142:39-46. doi: 10.1016/j.jinorgbio.2014.09.008. Epub 2014 Sep 28. **IF 3.205**

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46. Travaglia A, Pietropaolo A, Di Martino R, **Nicoletti VG**, La Mendola D, Calissano P, Rizzarelli E. (2015) *A small linear peptide encompassing the NGF N-terminus partly mimics the biological activities of the entire neurotrophin in PC12 cells*. ACS Chem Neurosci. 6(8):1379-92. doi: 10.1021/acschemneuro.5b00069. Epub 2015 May 15. **IF 4.348**
47. Kornblatt AP, **Nicoletti VG**, Travaglia A. (2016) *The neglected role of copper ions in wound healing*. J Inorg Biochem. 161:1-8. doi: 10.1016/j.jinorgbio. 2016.02.012. Epub 2016 Feb 11. **IF 3.348**
48. Naletova I, **Nicoletti VG**, Milardi D, Pietropaolo A, Grasso G. (2016) *Copper, differently from zinc, affects the conformation, oligomerization state and activity of bradykinin*. Metallomics. 8:750-761, ISSN: 1756-591X, doi: 10.1039/c6mt00067c. **IF 3.975**
49. Magri A, La Mendola D, **Nicoletti VG**, Pappalardo G, Rizzarelli E. (2016) *New Insight in Copper-Ion Binding to Human Islet Amyloid: The Contribution of Metal-Complex Speciation To Reveal the Polypeptide Toxicity*. Chemistry, a European Journal. 5;22(37):13287-300. doi: 10.1002/chem.201602816. Epub 2016 Aug 5. **IF 5.317**
50. Magri A, Tabbi G, Giuffrida A, Pappalardo G, Satriano C, Naletova I, **Nicoletti VG**, Attanasio F. (2016) *Influence of the N-terminus acetylation of Semax, a synthetic analog of ACTH(4-10), on copper(II) and zinc(II) coordination and biological properties*. J Inorg Biochem. 164:59-69. doi: 10.1016/j.jinorgbio.2016.08.013. Epub 2016 Aug 27. **IF 3.348**
51. Pandini G, Satriano C, Pietropaolo A, Gianì F, Travaglia A, La Mendola D, **Nicoletti VG**, Rizzarelli E. (2016) *The Inorganic Side of NGF: Copper(II) and Zinc(II) Affect the NGF Mimicking Signaling of the N-Terminus Peptides Encompassing the Recognition Domain of TrkA Receptor*. Front Neurosci. 10:569. doi: 10.3389/fnins.2016.00569. eCollection 2016. **IF 3.566**
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