



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)

Address(es)

Telephone(s)

E-mail

Nationality

Date of birth

Gender

Valentina Alda Carozzi

Via Ronco 40, 21040, Carnago, Varese (Italy)

Mobile: 3398525324

Personal, valentina.carozzi81@gmail.com / work, valentina.carozzi1@unimib.it

Italian

05/05/1981

Female

Desired employment / Occupational field

Work experience

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

2017-now

Assistant Professor Type A (Ricercatore a Tempo Determinato tipo A)

In vivo research in Neuroscience. Pathology of neurological peripheral disorders. Creation of experimental paradigm and scientific reports, coordinating and cooperative roles.

Experimental Neurology Unit, School of Medicine and Surgery, University of Milan-Bicocca, Monza, Italy

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

2008-2017

Post-doctoral fellow

In vivo research in Neuroscience. Pathology of neurological peripheral disorders. Creation of experimental paradigm and scientific reports, coordinating and cooperative roles.

Experimental Neurology Unit, School of Medicine and Surgery, University of Milan-Bicocca, Monza, Italy

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

2005-2008

Three-year Ph.D. program in Neuroscience, Faculty of Medicine and Surgery, University of Milan – Bicocca.

Creation of *in vivo* (rat and mouse) models of neurotoxicity and neuroprotection. Study of molecular mechanisms and histology of peripheral neuropathies.

University of Milan-Bicocca, Monza, Italy

Education and training

Dates	2005-2008
Title of qualification awarded	PhD in Neuroscience
Principal subjects/occupational skills covered	Dissertation: Role of Glutamate in the pathology of the peripheral nervous system Advisor: Professor Guido Cavaletti
Name and type of organisation providing education and training	Faculty of Medicine and Surgery, University of Milan – Bicocca.
Level in national or international classification	Internationally recognized
Dates	2003-2005
Title of qualification awarded	Master of arts Medical Biotechnology
Principal subjects/occupational skills covered	Quantitative analysis of periodontal bacteria by Real Time PCR. Advisor: Professor Giovanni Tredici. Final Grade: 110 / 110 magna cum laude.
Name and type of organisation providing education and training	Faculty of Medicine and Surgery, University of Milan – Bicocca.
Level in national or international classification	Internationally recognized
Dates	2000-2003
Title of qualification awarded	Three year Degree in Sanitary Biotechnology,
Principal subjects/occupational skills covered	Evaluation of Paclitaxel neurotoxicity in rat neurons of Dorsal Root Ganglia and in the neuroblastoma cell line SHSY5Y". Advisor: Professor Giovanni Tredici, Final Grade: 106/110
Name and type of organisation providing education and training	Faculty of Medicine and Surgery, University of Milan – Bicocca.
Level in national or international classification	Internationally recognized
Dates	1995-2000
Title of qualification awarded	Maturità Scientifica, Liceo Scientifico Statale "Da Vinci", Gallarate (Va).
Other language(s)	
Self-assessment	
<i>European level (*)</i>	
English	
French	
Social skills and competences	Great attitude to work in team, both with junior and senior researchers.
Organisational skills and competences	Coordination and collaboration role in designing and performance of experimental protocols. Compilation of scientific final reports. Coordination of young researchers.

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
Good	Very good	Very good	Good		Very good

(*) [Common European Framework of Reference for Languages](#)

Technical skills and competences	<i>In vivo techniques</i> Mouse and rat oral, intra-peritoneal, sub-cutaneous, intra-venous drug administration. Organ explants, blood sampling, tumour xenografts, intra-cardiac perfusion, neurophysiological determinations on sciatic nerve, caudal nerve and digital nerve. Behavioural tests for neuropathic pain determination (Dynamic Aesthesiometer Test, Cold Plate Test, Plantar Algesiometer Test). Electrophysiological analysis in spinal cord and brain, jugular vein cannulation, tracheal catheter. <i>Histopathology:</i> Processing of specimens for light and electron microscopy using standard methods. Dorsal root ganglia and sciatic nerve morphometrical analysis. Immunohistochemistry and immunolabelling techniques. Confocal microscopy. <i>In vitro cell</i> cultures of dorsal root ganglia neurons and neuroblastoma cell lines. Measurement of neurite outgrowth. <i>Molecular biology and biochemistry:</i> Protein, DNA and RNA extraction from cell cultures and whole tissues, SDS-PAGE electrophoresis. Western Blot. Real Time-PCR.
Computer skills and competences	Excel, Word, Outlook, Matlab, Powerpoint, Graph pad - Prism, Adobe Photoshop, Image J.
Artistic skills and competences	Abilities in pottery painting, renovation of antique furniture.
Other skills and competences	Voluntary activities in Italy and foreign countries with special needs (Lebanon, Balkans)
Driving licence	B-type
Contact information	Prof. Guido Cavaletti, guido.cavaletti@unimib.it

Annexes

➤ **PREVIOUS RESULTS OF COMPETITIVE SELECTIONS AT UNIMIB**

- 2017-now: Ricercatore a tempo determinate di tipo A, 1st placed
- 2013-2017: 4-year post-doctoral research contract (Assegno di Ricerca di tipo A), 1st placed.
- 2009-2013: 4-year post-doctoral research contract (Assegno di Ricerca di tipo A), 1st placed.
- 2008-2009: one-year post-doctoral research contract, University of Milan - Bicocca (Assegno di Ricerca di tipo B).

➤ **AWARDS AND MEMBERSHIPS**

- 2015: Invited guest at the Ceremony for the National Day for Cancer Research, sponsored by AIRC at Palazzo del Quirinale, Roma, October 29th.
- 2015: "Best poster presentation" at the AISAL (Associazione Italiana delle Scienze degli Animali da Laboratorio) meeting in Napoli.
- 2014: PRINCIPAL INVESTIGATOR of the funded project in TRIDEO program (Transforming Ideas in Oncological research), 97900 euros to be used for research on chemotherapy-induced peripheral neuropathy.
- 2014: "Best research project" in "Young Against Pain" program, Study In Multidisciplinary Pain Research meeting, Roma. Award: Free attendance to the 15th World Congress on Pain, October 6th-11st, 2014 in Buenos Aires, Argentina.
- 2013: "Tebu-Bio travel grant" for the attendance at the Peripheral Nerve Society meeting in Saint Malò, France.
- 2011: "Scholar-in-Training Award" at the annual AACR (American Association of Cancer Research) meeting in Orlando (FL)

- 2011: “Best oral presentation” at the meeting of Italian Association for the Study of Peripheral Neuropathies in Bologna.
- 2010: AISAL (Associazione Italiana delle Scienze degli Animali da Laboratorio) 5000-euros grant for a training period in a laboratory abroad.
- Meeting presenter on chemotherapy-induced painful peripheral neuropathy at more than 60 national and international meetings.
- Invited reviewer for international peer-review journals.
- Member of the Italian Association for the Study of Peripheral Neuropathies, American Association of Cancer Research, Italian Association of Laboratory Animal Sciences, Study group of Cytomorphology.

➤ **TRAINING**

Long-term training and experiences in foreign laboratories

- 2014: 4-month full time experience in electrophysiological determination of electrical activity in the mouse dorsal horn of spinal cord. Centre on Pain Study, School of Nursing, University of Maryland, Baltimore (MD).
- 2012: 1-month full time experience in neurophysiological determination on peripheral nerves. Centre on Pain Study, School of Nursing, University of Maryland, Baltimore (MD).
- 2010: 3-month full time training period in electrophysiological determination of electrical activity in the mouse dorsal horn of spinal cord. Centre on Pain Study, School of Nursing, University of Maryland, Baltimore (MD).
- 2009: 6-month full time training period in nerve conduction velocity measure in mice. Eisai Research Institute, Baltimore (MD), USA.

Long-term training and experiences in Italian laboratories

- 2011-2012: Training in electrophysiological determination of electrical activity in the rat dorsal horn of spinal cord and brain. Pain Neurophysiology Centre, CNR Laboratories, Palazzo Lita, Segrate, Milan.

Other training activities

- Training in “3R in animal research”, organized by Association of Laboratory Animal Science”. Milano, October 27-28, 2018
- Training in “Etica della sperimentazione Animale”, organized by Association of Laboratory Animal Science”. Napoli, October 11-12, 2015
- Training in “Progettare una proposta vincente nel programma Cooperation – VII programma quadro”. Università di Milano-Bicocca, June 1st, 2012.
- Training in “L’uso della statistica nella ricerca biomedica”. Centro Europeo di ricerca sul cervello (CERC), Roma. June 8-10, 2010.
- Training in “Innovation, integration and 3Rs in the management of animal facilities”. Napoli, October 23rd-24th 2015.
- Training in “Informativa sulla normativa nazionale e regionale relative alla protezione degli animali ai sensi del dlgs 26/2001 e LR 4/2015. Desio (Mi), 9 dicembre 2015.
- Training in “Diet and Cancer in rodents”. Harlan Laboratories, Nerviano Research Center. January 27th, 2010
- Training in “Dibattiti aperti sulla sperimentazione animale: aspetti pratici nell’applicazione della normativa, metodi alternativi e 3R, ruolo dei comitati e sofferenza animale. Gargnano del Garda, May 14-16 th, 2012.
- Training in “Dibattiti aperti nella sperimentazione animale; innovazione e formazione”. Gargnano del Garda, May 16-17 th, 2013.
- Training in “Corso base per ricercatori e personale impegnato nella sperimentazione animale”, November 21st- December 6th, 2012.
- The TNF family: practical applications with recombinant proteins. Università Milano Bicocca, 8 marzo 2005.
- Magnetic Resonance Imaging (MRI) nel Roditore. Istituto di ricerche farmacologiche “Mario Negri”, Milano 10 dicembre 2007.

- Genome wide association studies: the example of Parkinson disease. Università Milano Bicocca, 3 maggio 2005.
- Gene signature symposia 05. Applied Biosystems, Milano, 13 Aprile 2005.
- COST Action B24 Training School in the Experimental Design and Statistical Analysis of Biomedical Experiments. FRAME Reduction Steering Committee, University of Manchester, UK, January 7-10 2008.
- Corso di aggiornamento sulla sperimentazione animale e sul corretto utilizzo dello stabulario. Università Milano-Bicocca, 2 febbraio 2007.
- Cellule staminali: origine, caratteristiche e prospettive terapeutiche. 16 dicembre 2002.

➤ **SCIENTIFIC COLLABORATIONS**

International scientific collaborations

- 2014-today: Collaboration on the development of new neuroprotective and analgesic drugs against chemotherapy-induced peripheral neuropathy and pain. Monza (MB), Italy - Xdynia-Cavion Pharma, Charlottesville, USA. (Dr. Ivan Maricich).
- 2013-today: Continuative collaboration on the role of solute carriers in the development of chemotherapy-related neuro and other toxicities. Monza (MB), Italy - Munster University, Germany; (Dr. Giuliano Ciarimboli).
- 2013-today: Continuative collaboration on the pathogenesis and recovery of chemotherapy-induced peripheral neuropathy. Monza (MB), Italy - Johns Hopkins University, Baltimore, USA; (Dr. Barbara Slusher).
- 2012-today: Continuative collaboration on the effects of neuroprotective compounds against chemotherapy-induced peripheral neuropathy. Monza (MB), Italy - Johns Hopkins University, Baltimore, USA; (Dr. Ahmet Hoke).
- 2012-2015: Collaboration on the project "Effect of HDAC6 inhibitor ACY-1083 on different neuropathological parameters associated with bortezomib-induced peripheral neuropathy". Monza (MB), Italy - Acetylon Pharmaceuticals, Boston, USA; (Dr. Matthew Jarpe).
- 2009-today: Continuative collaboration for neuropathic pain studies. Monza (MB), Italy - Centre on Pain Study, School of Nursing, University of Maryland, Baltimore (MD), USA; (Dr. Susan Dorsey).
- 2006-today: Continuative collaboration on the development of new safer chemotherapy drugs and of neuroprotective drugs against chemotherapy-induced neuropathy, Monza (MB) Italy - Eisai Co., Japan; (Dr. Bruce Littlefield).
- 2006- 2010: 4 year-scientific collaboration in drug discovery program in preclinical models of chemotherapy-induced peripheral neuropathy. Monza (MB), Italy - Eisai Pharma, Baltimore (MD), USA; (Dr. Barbara Slusher and Dr. Krystyna Wozniak).

National scientific collaborations

- 2011-today: Continuative collaboration for neurophysiological and neuropathological studies on neurological disorders. Neuroscience Institute at Fondazione Cavalieri Ottolenghi, Orbassano, Torino, (Dr. Alessandro Vercelli).
- 2011-today: Continuative collaboration for neuropathic pain tissues biomarkers. Cytomorphology laboratory, University of Cagliari, Cagliari, (Dr. Marina Quartu).
- 2011-today: Collaborative collaboration for neurophysiological and neuropathological studies in mice. "Giovanni Galli" Laboratory of Biochemistry and Molecular Biology of Metabolism, Dipartimento di Scienze Farmacologiche e Biomolecolari, (Dr. Nico Mitro).
- 2010-today: Continuative collaboration on neuropathic pain: electrophysiology in the central nervous system and histological changes. Pain Neurophysiology Centre, CNR Laboratories, Palazzo Lita, Segrate, Milan, (Dr. Gabriele Biella).
- 2009-2010: Scientific collaboration for neurophysiological and neuropathological studies in mice. Sigma Tau, Pomezia (RM), (Dr. Claudio Pisano).
- 2007-2013: Continuative collaboration for neurophysiological and neuropathological studies in diabetic and other peripheral neuropathies. Istituto di Ricerche Farmacologiche Mario Negri, Milan and Bergamo, (Dr. Figliuzzi).
- 2006-today: Continuative collaboration for neurophysiological studies in rats. Istituto Nazionale Neurologico Carlo Besta, Milan, (Dr. Giuseppe Lauria, Dr. Roberto Bianchi).

- 2006-today: Continuative collaboration for neurophysiological and neuropathological studies in rats. Dipartimento di Endocrinologia, University of Milan, Milan, (Dr. Roberto Melcangi).

➤ **ACADEMIC ACTIVITIES**

Lessons

- 2017 / 2018: In charge of the academic activity on the topic “Human Hystology and Anatomy” for Master Degree in Dentistry.
- 2016 / 2017: In charge of the academic activity on the topic “Human Hystology and Anatomy” for Master Degree in Dentistry.
- 2015 / 2016: In charge of the academic activity on the topic “Human Hystology and Anatomy” for Master Degree in Dentistry.
- 2013 / 2014: Collaboration in the academic activity on the topic “Human Hystology and Anatomy” for Bachelor in Optics.

Tutorship activities

- Student laboratory tutor, AA 2006-2013
- Student tutor for Three year Degree in Sanitary Biotechnology, Faculty of Science, University of Milan – Bicocca. Final elaborate: “Oxidative stress and antioxidant therapies in painful diabetic peripheral neuropathy”.
- Student tutor for Three year Degree in Sanitary Biotechnology, Faculty of Science, University of Milan – Bicocca. Final Elaborate: “Nuove strategie terapeutiche per il trattamento delle complicanze multiorgano in un modello animale di diabete”.
- Student tutor for Three year Degree in Sanitary Biotechnology, Faculty of Science, University of Milan – Nuove strategie per la terapia sperimentale di Miastenia Gravis
- Student tutor for Three year Degree in Sanitary Biotechnology, Faculty of Science, University of Milan “Neurotossicità di bortezomib: neuropatia periferica e strategie di neuroprotezione”.
- Student tutor for Medical Biotechnology, Faculty of Medicine and Surgery, University of Milan – Bicocca. Final Elaborate: “Neurophysiological and neuropathological characterization of murine models of chemotherapy induced peripheral neuropathy”.
- Student tutor for Biology, Biotechnology and Bioscience DPT, University of Milan – Bicocca. Final Elaborate: “Effetto di oxaliplatino sui trasportatori cellulari del Sistema nervosa periferico”.

➤ **GRANTS**

Personal grants

- 2015-2017: Principal Investigator in TRIDEO (Transforming Ideas in Oncological Research) grant, ID # 15942: supported by AIRC and Cariplo Foundation. Topic: “Insights in the mechanisms of oxaliplatin peripheral neurotoxicity”. Budget: 97900 euros.

Collaborations as local team leader or with significant research time allocated in other funded projects

- 2015-2016: Experimental team leader (Principal investigator Prof. Guido Cavaletti), Project on “Effect of OPV-3003 on different parameters associated with oxaliplatin-induced peripheral neurotoxicity”. Sponsor Optivabio, Menlo Park, CA, USA. Budget: 63.200 Euro
- 2015-2016: Experimental team leader (Principal Investigator Prof. Guido Cavaletti), Project on “Development of new neuroprotective and analgesics viral vector-based drugs against chemotherapy-induced peripheral neuropathy and pain”. Sponsor Periphagen, Pittsburgh, PA, USA. Budget: 137.200 Euro.
- 2015: 20% of research time (Principal Investigator: Dr. Marmioli), “Studio preclinico dei meccanismi di neurotossicità dei trattamenti di chemioterapia antitumorale”, Sponsor “Banca del Monte” foundation. Budget 27700 euros.
- 2014-2016: Experimental Team leader (Principal Investigator: Dr. Marmioli), Project on “Understanding the pathogenesis of oxaliplatin-induced peripheral neurotoxicity (2013-0842)”. Sponsor Cariplo Foundation. Budget: 401624 euros.

- 2014: 20% of research time (Principal Investigator: Dr. Marmioli), Project “Studio preclinico dei meccanismi di neurotossicità dei trattamenti di chemioterapia antitumorale”, Sponsor “Banca del Monte” foundation. Budget 30000 euros.
- 2013–2015: Experimental team leader (Principal Investigator Prof. Guido Cavaletti), Project on “Effect of CR-4065 on bortezomib-induced peripheral neurotoxicity” (in collaboration with University of Maryland, Baltimore, MD, USA and University of Cagliari, Italy. Sponsor Rottapharm S.p.A, Monza Italy. Budget: 85.600 Euro.
- 2013: 20% of research time (Principal Investigator: Dr. Marmioli), Project on “Studio preclinico dei meccanismi di neurotossicità dei trattamenti di chemioterapia antitumorale”, Sponsor “Banca del Monte” foundation. Budget 30000 euros.
- 2010-2013: Experimental team leader (Principal Investigator: Dr. Scuteri), FIRB (Futuro in Ricerca), Project RBF08VSVI_001 “Effect of Mesenchymal Stem Cells for the treatment of Multiple Sclerosis and Diabetes. Budget: 358700 euros
- 2010: 20% of research time in the project “Neuropatia periferica da farmaci antineoplastici: indagine sui meccanismi di azione e valutazione di possibili strategie di neuroprotezione” (Principal Investigator Prof. Guido Cavaletti). Sponsor Fondazione Banca del Monte di Lombardia, Pavia, Italy. Budget 60.000 Euro
- 2005-2008: 20% of research time in the project “Neuropatia periferica da farmaci antineoplastici: indagine sui meccanismi di azione e valutazione di possibili strategie di neuroprotezione” (Principal Investigator Prof. Guido Cavaletti). Sponsor Fondazione Banca del Monte di Lombardia, Pavia, Italy. Budget 120.000 Euro

Scientific publications (H index, source Scopus) = 16

1. Wozniak KM, Vornov JJ, Wu Y, Liu Y, **Carozzi VA**, Rodriguez-Menendez V, Ballarini E, Alberti P, Pozzi E, Semperboni S, Cook BM, Littlefield BA, Nomoto K, Condon K, Eckley S, DesJardins C, Wilson L, Jordan MA, Feinstein SC, Cavaletti G, Polydefkis M, Slusher BS. Peripheral neuropathy induced by microtubule-targeted chemotherapies: insights into acute injury and long-term recovery. *Cancer Res.* 2017 Nov 30. pii: canres.1467.2017. doi: 10.1158/0008-5472.CAN-17-1467.
2. Marmioli P, Riva B, Pozzi E, Ballarini E, Lim D, Chiorazzi A, Meregalli C, Distasi C, Renn CL, Semperboni S, Morosi L, Ruffinatti FA, Zucchetti M, Dorsey SG, Cavaletti G, Genazzani A, **Carozzi VA**. Susceptibility of different mouse strains to oxaliplatin peripheral neurotoxicity: Phenotypic and genotypic insights. *PLoS One.* 2017 Oct 11;12(10):e0186250.
3. Monfrini M, Donzelli E, Rodriguez-Menendez V, Ballarini E, **Carozzi VA**, Chiorazzi A, Meregalli C, Canta A, Oggioni N, Crippa L, Avezza F, Silvani S, Bonandrini B, Figliuzzi M, Remuzzi A, Porretta-Serapiglia C, Bianchi R, Lauria G, Tredici G, Cavaletti G, Scuteri A. Therapeutic potential of Mesenchymal Stem Cells for the treatment of diabetic peripheral neuropathy. *Exp Neurol.* 2017 Feb;288:75-84.
4. Zhu J, **Carozzi VA**, Reed N, Mi R, Marmioli P, Cavaletti G, Hoke A. Ethoxyquin provides neuroprotection against cisplatin-induced neurotoxicity. *Sci Rep.* 2016 Jun 28;6:28861.
5. Canta A, Chiorazzi A, **Carozzi VA**, Meregalli C, Oggioni N, Bossi M, Rodriguez-Menendez V, Avezza F, Crippa L, Lombardi R, De Vito G, Piazza V, Cavaletti G, Marmioli P. Age-related changes in the function and structure of the peripheral sensory pathway in mice. *Neurobiol aging.* 2016 45:136-148.
6. Scuteri A, Donzelli E, Rigolio R, Ballarini E, Monfrini M, Crippa L, Chiorazzi A, **Carozzi VA**, Meregalli C, Canta A, Oggioni N, Tredici G, Cavaletti G. Therapeutic Administration of Mesenchymal Stem Cells Abrogates the Relapse Phase in Chronic Relapsing-Remitting EAE. *J.stem cell res and ther.* 2016; 5(262).
7. Canta A, Pozzi E, **Carozzi VA**. Mitochondrial Dysfunction in Chemotherapy-Induced Peripheral Neuropathy (CIPN). *Toxics* 2015, 3, in press.
8. Marmioli P, Cavaletti G, **Carozzi VA**, Riva B, Lim D, Genazzani AA. Calcium-related Neurotoxicity of Oxaliplatin: Understanding the Mechanisms to Drive Therapy. *Curr Med Chem.* *Curr Med Chem.* 2015;22(32):3682-94.

9. Meregalli C, **Carozzi VA**, Sala B, Chiorazzi A, Canta A, Oggioni N, Rodriguez-Menendez V, Ballarini E, Ceresa C, Nicolini G, Crippa L, Orciani M, Cavaletti G, Marmiroli P. Bortezomib-induced peripheral neurotoxicity in human multiple myeloma-bearing mice. *J Biol Regul Homeost Agents*. 2015 Jan-Mar;29(1):115-24.
10. Cermenati G, Audano M, Giatti S, **Carozzi VA**, Porretta-Serapiglia C, Pettinato E, Ferri C, D'Antonio M, De Fabiani E, Crestani M, Scurati S, Saez E, Azcoitia I, Cavaletti G, Garcia-Segura LM, Melcangi RC, Caruso D, Mitro N. Lack of sterol regulatory element binding factor-1c imposes glial Fatty Acid utilization leading to peripheral neuropathy. *Cell Metab*. 2015 Apr 7;21(4):571-83.
11. **Carozzi VA**, Canta A, Chiorazzi A. Chemotherapy-induced peripheral neuropathy: What do we know about mechanisms? *Neurosci Lett*. 2014 Oct 22. Review.
12. **Carozzi VA**, Chiorazzi A, Canta A, Meregalli C, Oggioni N, Cavaletti G, Marmiroli P. Chemotherapy-induced peripheral neurotoxicity in immune-deficient mice: New useful ready-to-use animal models. *Exp Neurol*. 2014 Nov 18;264C:92-102.
13. Quartu M,* **Carozzi VA**,* Dorsey S.G., Serra M.P., Poddighe L., Picci C., Boi M., Melis T. Del Fiacco M., Meregalli C. Chiorazzi A., Renn C.L., Cavaletti G. Marmiroli. Bortezomib treatment produces nocifensive behavior and changes in the expression of TRPV1, CGRP and Substance P in the rat DRG, spinal cord and sciatic nerve. *Biomed Res Int*. 2014;2014:180428. ***equally contributed to the manuscript.**
14. Meregalli C, Chiorazzi A, **Carozzi V**, Canta A, Sala B, Oggioni N, Ceresa C, Foudah D, La Russa F, Miloso M, Nicolini G, Marmiroli P, Bennett DL, Cavaletti G. Evaluation of tubulin polymerization and chronic inhibition of proteasome as cytotoxicity mechanisms in bortezomib-induced peripheral neuropathy. *Cell Cycle*. 2013 Dec 12;13(4).
15. Chiorazzi A, Canta A, Meregalli C, **Carozzi V**, Sala B, Oggioni N, Monbaliu J, Van De Velde H, Cavaletti G. Antibody Against Tumor Necrosis Factor- α Reduces Bortezomib-induced Allodynia in a Rat Model. *Anticancer Res*. 2013 Dec;33(12):5453-9.
16. Figliuzzi M, Bianchi R, Cavagnini C, Lombardi R, Porretta-Serapiglia C, Lauria G, Avezza F, Canta A, **Carozzi V**, Chiorazzi A, Marmiroli P, Meregalli C, Oggioni N, Sala B, Cavaletti G, Remuzzi A. Islet transplantation and insulin administration relieve long-term complications and rescue the residual endogenous pancreatic β cells. *Am J Pathol*. 2013 Nov;183(5):1527-38.
17. **Carozzi V***, Renn C*, Bardini M, Fazio G, Chiorazzi A, Meregalli C, Oggioni N, Shanks K, Quartu M, Serra MP, Sala B, Cavaletti G, Dorsey S. * equally contributed to the manuscript. Bortezomib-induced painful peripheral neuropathy: an electrophysiological, behavioral, morphological and mechanistic study in the mouse. *Plos-one* 2013;9:e72995.
18. Meregalli C, Ceresa C, Canta A, **Carozzi V**, Chiorazzi A, Sala B, Oggioni N, Lanza M, Letari O, Ferrari F, Avezza F, Marmiroli P, Caselli G, Cavaletti G. CR4056, a new analgesic I2 ligand, is highly effective against bortezomib-induced painful neuropathy in rats. *J Pain Res*. 2012;5:151-67.
19. **Carozzi V**, Ceresa C. The role of glutamate in diabetic and in chemotherapy induced peripheral neuropathies and its regulation by glutamate carboxypeptidase II. *Curr Med Chem*. 2012;19(9):1261-8. Review.
20. Chiorazzi A, Höchel J, Stöckigt D, Canta A, **Carozzi V**, Meregalli C, Avezza F, Crippa L, Sala B, Ceresa C, Oggioni N, Cavaletti G. Exposure-response relationship of the synthetic epothilone sagopilone in a peripheral neurotoxicity rat model. *Neurotox Res*. 2012 Aug;22(2):91-101.
21. **Carozzi V**, Zoia CP, Maggioni D, Verga E, Marmiroli P, Ferrarese C, Cavaletti G. Expression, distribution and glutamate uptake activity of high affinity-excitatory aminoacid transporters in in vitro cultures of embryonic rat dorsal root ganglia. *Neuroscience*. 2011 Sep 29;192:275-84.

22. Renn CL*, **Carozzi V***, Rhee P, Gallop D, Dorsey SG, Cavaletti G. Multimodal assessment of painful peripheral neuropathy induced by chronic oxaliplatin-based chemotherapy in mice. *Mol Pain*. 2011 Apr 26;7:29. *
equally contributed to the manuscript.
23. Wozniak KM, Nomoto K, Lapidus RG, Wu Y, **Carozzi V**, Cavaletti G, Hayakawa K, Hosokawa S, Towle MJ, Littlefield BA, Slusher BS. Comparison of neuropathy-inducing effects of eribulin mesylate, paclitaxel, and ixabepilone in mice. *Cancer Res*. 2011 Jun ;71(11):3952-62.
24. Canta A, Chiorazzi A, **Carozzi V**, Meregalli C, Oggioni N, Sala B, Crippa L, Avezza F, Forestieri D, Rotella G, Zucchetti M, Cavaletti G. In vivo comparative study of the cytotoxicity of a liposomal formulation of cisplatin (lipoplatin™). *Cancer Chemother Pharmacol*. 2011 Oct;68(4):1001-8.
25. **Carozzi V**, Canta A, Oggioni N, Sala B, Chiorazzi A, Meregalli C, Bossi M, Marmiroli P, Cavaletti G. Neurophysiological and neuropathological characterization of new murine models of chemotherapy-induced chronic peripheral neuropathies. *Exp Neurol*. 2010 dec;226(2):301-9.
26. Canta A, Meregalli C, Chiorazzi A, **Carozzi V**, Crippa L, Marmiroli P, Cavaletti G. The ventral caudal nerve: a physiologic-morphometric study in three different rat strains. *J Peripher Nerv Syst*. 2010 Jun;15(2):140-6.
27. **Carozzi V**, Marmiroli P, Cavaletti G. The role of oxidative stress and anti-oxidant treatment in platinum-induced peripheral neurotoxicity. *Curr Cancer Drug Targets*. 2010 Nov;10(7):670-82. Review.
28. Remuzzi A, Cornolti R, Bianchi R, Figliuzzi M, Porretta-Serapiglia C, Oggioni N, **Carozzi V**, Crippa L, Avezza F, Fiordaliso F, Salio M, Lauria G, Lombardi R, Cavaletti G. Regression of diabetic complications by islet transplantation in the rat. *Diabetologia*. 2009 Dec;52(12):2653-61.
29. **Carozzi V**, Chiorazzi A, Canta A, Lapidus RG, Slusher BS, Wozniak KM, Cavaletti G. Glutamate carboxypeptidase inhibition reduces the severity of chemotherapy-induced peripheral neurotoxicity in rat. *Neurotox Res*. 2010 May;17(4):380-91.
30. Meregalli C, Canta A, **Carozzi V**, Chiorazzi A, Oggioni N, Gilardini A, Ceresa C, Avezza F, Crippa L, Marmiroli P, Cavaletti G. Bortezomib-induced painful neuropathy in rats: a behavioral, neurophysiological and pathological study in rats. *Eur J Pain*. 2010 Apr;14(4):343-50.
31. Giatti S, Pesaresi M, Cavaletti G, Bianchi R, **Carozzi V**, Lombardi R, Maschi O, Lauria G, Garcia-Segura LM, Caruso D, Melcangi RC. Neuroprotective effects of a ligand of translocator protein-18 kDa (Ro5-4864) in experimental diabetic neuropathy. *Neuroscience*. 2009 Dec 1;164(2):520-9.
32. Canta A, Chiorazzi A, Meregalli C, **Carozzi V**, Oggioni N, Lauria G, Lombardi R, Bianchi R, Porretta-Serapiglia C, Cavaletti G. Continuous buprenorphine delivery effect in streptozotocine-induced painful diabetic neuropathy in rats. *J Pain*. 2009 Sep;10(9):961-8.
33. Roglio I, Bianchi R, Camozzi F, **Carozzi V**, Cervellini I, Crippa D, Lauria G, Cavaletti G, Melcangi RC. Docetaxel-induced peripheral neuropathy: protective effects of dihydroprogesterone and progesterone in an experimental model. *J Peripher Nerv Syst*. 2009 Mar;14(1):36-44.
34. **Carozzi V**, Chiorazzi A, Canta A, Oggioni N, Gilardini A, Rodriguez-Menendez V, Avezza F, Crippa L, Ceresa C, Nicolini G, Bossi M, Cavaletti G. Effect of the chronic combined administration of cisplatin and paclitaxel in a rat model of peripheral neurotoxicity. *Eur J Cancer*. 2009 Mar;45(4):656-65.
35. **Carozzi V**, Canta A, Oggioni N, Ceresa C, Marmiroli P, Konvalinka J, Zoia C, Bossi M, Ferrarese C, Tredici G, Cavaletti G. Expression and distribution of 'high affinity' glutamate transporters GLT1, GLAST, EAAC1 and of GCP11 in the rat peripheral nervous system. *J Anat*. 2008 Nov;213(5):539-46.
36. **Carozzi V**, Marmiroli P, Cavaletti G. Focus on the role of Glutamate in the pathology of the peripheral nervous system. *CNS Neurol Disord Drug Targets*. 2008 Oct;7(4):348-60. Review.

37. Rodriguez-Menendez V, Gilardini A, Bossi M, Canta A, Oggioni N, **Carozzi V**, Tremolizzo L, Cavaletti G. Valproate protective effects on cisplatin-induced peripheral neuropathy: an in vitro and in vivo study. *Anticancer Res.* 2008 Jan-Feb;28(1A):335-42.

Book Chapters

- Chiorazzi A., Ballarini E., Canta A., **Carozzi V.A.**, Ceresa C., Maggioni D., Nicolini G., Rigolio R., Rodriguez-Menendez V., Sala B., Cavaletti G. Paclitaxel: chemotherapy and neurotoxicity-the two sides of the coin. *Horizons in cancer research*, 2011, Vol 45.
- **Carozzi VA.** Effect of chemotherapeutic drugs on the peripheral nervous system of human and animal experimental models. Chapter 12: Animal Models: Rats versus mice. 139-143, 2011, Chapter 14: Taxanes-induced peripheral neuropathy. *Research Signpost*.

➤ OTHERS

Divuligation experiences

- 2014-2016: Invited co-editor for "Toxics" journal on the special issue "Toxicities of Therapeutic Agents Used in Medicine".
- 2014: Dissemination activity on neuropathic pain-related problems (http://www.grunenthal.it/grt-web/Grunenthal_Forenti_-_Italia/Stampa/2014/286300136.jsp?listItemID=286300232&listID=286300184&customDisplayTemplatePath=/grt-web/WEB-INF/templates/includes/presslist/press_news.jsp). Winner of "Young against pain project" supported by Gruenenthal in collaboration with SIMPAR (Study in Multidisciplinary Pain Research) group.
- 2015-2016: Ruolo di giurato per la selezione italiana "I giovani e le Scienze" del concorso dell'Unione Europea per giovani scienziati organizzato da FAST (Federazione delle Associazioni Scientifiche e Tecniche).
- Role in the board of the FAST (Federazione delle Associazioni Scientifiche e Tecniche) for the selection of italian young scientist in the project "I Giovani e le Scienze" to take part to a European competition.
- 2010: invited journalist for "ASNP online journal" (<http://www.neuropatia.it/?p=127>)

Invited revisions for International Journals

- Oxaliplatin-induced lung toxicity. Case report and review of the literature. *Current Drug Safety*.
- The importance of L-arginine metabolism modulation in patients with diabetic symmetric polyneuropathy. *European Journal of Neurology*.
- Characterization of diabetic peripheral neuropathy in a murine genetic model (db/db mice) of diabetes. *Neurological Research*.
- Role of colchicine in hyperalgesia via TRPV4 in rats with chronic compression of the dorsal root ganglion. *Neurological Research*.
- Glutamate carboxypeptidase II activity in human skin as a pharmacodynamic marker for clinical studies. *Journal of Translational Medicine*.
- The importance of L-arginine metabolism modulation in patients with diabetic symmetric polyneuropathy. *European Journal of Neurology*.
- Paclitaxel alters the evoked release of calcitonin gene-related peptide from rat sensory neurons in culture. *Experimental Neurology*.
- The effect of curcumin on oxaliplatin and cisplatin neurotoxicity in rats. *Cancer Chemotherapy and Pharmacology*.
- Gabapentin mitigates the central sensitization in the rats with oxaliplatin induced neuropathic pain. *Neurological Sciences*.
- Distribution of TRPV1 and TRPV2 in the human stellate ganglion and spinal cord. *Neuroscience Letters*.
- Noninvasive Peroneal Sensory and Motor Nerve Conduction Recordings in the Rabbit Distal Hindlimb: Feasibility, Variability and Response to Vincristine. *Plos One*.

- Electrophysiological, behavioral and histological characterization of paclitaxel, cisplatin, vincristine and bortezomib-induced neuropathy in C57Bl/6 mice. Plos One.
- Venlafaxine for neuropathic pain. Cochrane Review.
- A new rat model of cisplatin-induced neuropathic pain. Neuroscience Letters.
- Effects of Oxaliplatin and Cisplatin on Conduction and Excitability Parameters of Rat Peripheral Nerves. Neurotoxicology Research.
- A3 adenosine receptor agonists prevent the development of chemotherapy-induced painful peripheral neuropathy by protecting mitochondria in primary afferent sensory axons. Experimental Neurology.

Meetings participations

1. Riva B, marmioli P, Pozzi E, Lim D, Chiorazzi A, Ballarini E, Genazzani AA, Renn S, Dorsey S, Cavaletti G, **Carozzi VA**. The different susceptibility to oxaliplatin neurotoxicity in mice is related to change in the expression of the anion exchanger SLC4A1. Sixth annual meeting of the Associazione Italiana per lo studio del sistema nervoso periferico. Mondello (PA), april 14-16, 2016.
2. Chiorazzi A, **Carozzi VA**, Meregalli C, Ceresa C, Fumagalli G, Monza L, Oggioni N, Crippa L, Marmioli P, Cavaletti G. A possible role of OCT2 gene in the development of peripheral neurotoxicity induced by cisplatin. Sixth annual meeting of the Associazione Italiana per lo studio del sistema nervoso periferico. Mondello (PA), april 14-16, 2016.
3. Chiorazzi A, Canta A, **Carozzi V**, Meregalli C, Oggioni N, Bossi M, Cavaletti G, Marmioli P. AGING AND PERIPHERAL NERVOUS SYSTEM: AN IN VIVO STUDY IN C57BL6 MICE MODEL. XXII AISAL Symposium. Napoli, 22nd-24th october 2015.
4. Marmioli P, Pozzi E, Chiorazzi A, Meregalli C, Oggioni N, Cavaletti G, Renn C, Dorsey S, **Carozzi V**. CAN DIFFERENT MICE STRAINS BE DIFFERENTLY SUSCEPTIBLE TO OXALIPLATIN-INDUCED PERIPHERAL NEUROTOXICITY? XXII AISAL Symposium. Napoli, 22nd-24th october 2015.
5. **Carozzi V**, Pozzi E, Chiorazzi A, Meregalli C, Oggioni N, Ballarini E, Canta A, Avezza F, Renn C, Dorsey S, Cavaletti M, Marmioli P. OXALIPLATIN-INDUCED PERIPHERAL NEUROTOXICITY: MORPHOLOGICAL CHARACTERIZATION IN DIFFERENT MOUSE STRAINS. 69° Congresso della società italiana di anatomia e istologia. Ferrara, 17-19 settembre 2015.
6. Marmioli P, Pozzi E, Riva B, Lim D, Genazzani A, Cavaletti G, Renn C, Dorsey S, **Carozzi V**. OXALIPLATIN-INDUCED PERIPHERAL NEUROTOXICITY: A ROLE FOR GENOMICS? Peripheral Nerve Society Meeting, Quebec City (Canada), June 27-July 2 2015.
7. Meregalli C, **Carozzi V**, Chiorazzi V, Renn C, Quartu M, Caselli G, Lanza M, Marmioli P, Dorsey S, Cavaletti G. CHARACTERIZATION OF NEUROPATHIC PAIN IN A BORTEZOMIB-INDUCED PERIPHERAL NEUROPATHY MODEL. 5TH international congress on neuropathic pain. Nice (France), may 14-17 2015.
8. **Carozzi V**, Meregalli C, Oggioni N, Zhou J, Reed N, Riufa M, Hoke A, Marmioli P, Cavaletti G. EFFECTS OF ETHOXYQUIN ON PLATINUM DRUGS-INDUCED PERIPHERAL NEUROTOXICITY. ASNP Meeting, Torino 9-11 aprile 2015.
9. Canta A, **Carozzi V**, Meregalli C, Chiorazzi A, Bossi M, Oggioni N, Marmioli P, Cavaletti G. AGING AND PERIPHERAL NERVOUS SYSTEM: A NEUROPHYSIOLOGICAL, MORPHOLOGICAL AND MORPHOMETRICAL STUDY IN C57BL6 MICE. First joint meeting of SFNP and ASNP, Paris (France), january 30-31, 2015.
10. Chiorazzi A, Canta A, **Carozzi V**, Meregalli C, Ceresa C, Oggioni N, Marmioli P, Cavaletti G. ROLE OF OCT2 IN THE DEVELOPMENT OF PERIPHERAL NEUROTOXICITY INDUCED BY CISPLATIN IN C57BL6 MICE MODEL. First joint meeting of SFNP and ASNP, Paris (France), january 30-31, 2015.
11. **Carozzi V**, Chiorazzi A, Canta A, Meregalli C, Oggioni N, Avezza F, Cavaletti G, Marmioli P. A NEW ANIMAL MODEL OF CHEMOTHERAPY INDUCED PERIPHERAL NEUROTOXICITY : THE IMMUNODEFICIENT MOUSE. 38 SIAI Meeting, 2014.
12. Canta A, Buccomino S, **Carozzi V**, Meregalli C, Chiorazzi A, marmioli P, Lombardi R, Cavaletti G. AGING ACTION ON PERIPHERAL NERVOUS SYSTEM IN C57BL6 MICE: A MORPHOLOGICAL AND MORPHOMETRICAL STUDY. ASNP Meeting, Sorrento 13-15 aprile 2014.
13. Manassero G, **Carozzi V**, Oggioni N, Garofalo A, Valsecchi V, Cavaletti G, Borghi F, Vercelli A. IMPAIRMENT OF MICROVESICLE RELEASE REDUCES NEUROPATHIC PAIN AFTER NERVE CRUSH INJURY IN ASMKO MICE. ASNP Meeting, Sorrento 13-15 aprile 2014.
14. **Carozzi VA**, Chiorazzi A, Marmioli P, Oggioni N, Ceresa C, Zhu J, Hoke A, Cavaletti G. ETHOXYQUIN IS EFFECTIVE IN PREVENTING CISPLATIN-INDUCED PAINFUL PERIPHERAL NEUROPATHY IN RATS. ASNP Meeting, Sorrento 13-15 aprile 2014.

15. **Carozzi VA.** BORTEZOMIB-INDUCED PAINFUL PERIPHERAL NEUROPATHY: MECHANISMS AND THERAPEUTIC STRATEGIES. SIMPAR MEETING, Rome, March 27-29 2013.
16. **Carozzi VA,** Meregalli C, Canta A, Chiorazzi A, Sala B, Oggioni N, Lanza M, Quartu M, Serra MP, Poddighe L, Picci C, Boi M, Melis T, Del Fiacco M, Caselli G, Cavaletti G. IMIDAZOLINE RECEPTOR 2 IS AN EFFECTIVE TARGET FOR NEUROPATHIC PAIN IN A MURINE MODEL OF BORTEZOMIB-INDUCED PERIPHERAL NEUROPATHY. Congresso della società italiana di neurocitomorfologia (GISN), Cagliari 22-23 novembre 2013.
17. Boi M., Quartu M, Serra M.P, Poddighe L, Melis T, Picci C, Del Fiacco M, Meregalli C, Canta A, Chiorazzi A, Sala B, Oggioni N, Cavaletti G.2, **Carozzi V.** Study of the calcitonin gene-related peptide-positive intraepidermal nerve fibers in a rat model of bortezomib-induced peripheral neuropathy. Congresso della società italiana di neurocitomorfologia (GISN), Cagliari 22-23 novembre 2013.
18. Poddighe L., Quartu M., Serra M.P., Boi M., Melis T., Picci C., Del Fiacco M., Meregalli C., Canta A, Chiorazzi A, Sala B, Oggioni N, Cavaletti G.2, **Carozzi V.** EXPRESSION OF TRPV1 AND CGRP IN SPINAL PRIMARY AFFERENT NEURONS IN A RAT MODEL OF BORTEZOMIB-INDUCED PERIPHERAL NEUROPATHY TREATED WITH ANALGESICS. Congresso della società italiana di neurocitomorfologia (GISN), Cagliari 22-23 novembre 2013.
19. Cavaletti G, **Carozzi V,** Chiorazzi A, Oggioni N, Rodriguez-Menendez V, Avezza F, Marmiroli P. Chemotherapy-induced peripheral neuropathy in immunodeficient mice: new useful ready-to-use animal models. . 67° congresso della società italiana di anatomia e istologia, Brescia, 20-22 Settembre 2013.
20. Bianchi R, **Carozzi V,** Porretta-Serapiglia C, Oggioni N, Cavaletti G, Lauria G. Effects of palmitoylethanolamide (pea) in cisplatin-induced peripheral neuropathy in mice. ASNP Meeting, Verona 18-20 aprile 2013.
21. Meregalli C, **Carozzi V,** Canta A, Chiorazzi A, Sala B, Bardini M, Fazio M, Cavaletti G. Characterization of bortezomib-induced peripheral neuropathy in an immuno-suppressed murine model. Verona 18-20 aprile 2013.
22. **Carozzi V,** Canta A, Sala B, Oggioni N, Renn C, (2) Dorsey S, Cavaletti G. Cisplatin-induced painful peripheral neuropathy severity is strain-dependent in mice: dissecting the role of pharmacogenomics. Meeting of the Peripheral Nerve Society (PNS). Saint Malò France, 2013 june 29-july 3.
23. **Carozzi V,** Chiorazzi A, Oggioni N, Renn C, Dorsey, Cavaletti G. Different strains of mice are differently susceptible to cisplatin-induced painful peripheral neuropathy (cipn): role of pharmacogenomics? Riunione dell'associazione italiana per lo studio del sistema nervosa periferico. Verona 18-20 aprile 2013.
24. Rigolio R, Magni A, Ballarini E, Meregalli C, Chiorazzi A, Sala B, Canta A, **Carozzi V,** Avezza F, Crippa L, Cavaletti G. Neutrophil depletion affects Dark Agouti experimental autoimmune encephalomyelitis. 11th International Congress of neuroimmunology. Boston, Massachussets, USA, 2012 November 4th-8th.
25. Manassero G, **Carozzi V,** Oggioni N, Garofalo A, Cavaletti G, Marmiroli P, Vercelli A. Neuropathic pain is reduced in acid sphingomyelinase deficient mice. 22° convegno nazionale del gruppo italiano per lo studio della neuromorfologia (GISN). Bologna, 22-23 novembre 2012.
26. Quartu M, Serra MP, Poddighe L, Picci C, Boi M, Melis T, Del Fiacco M, Meregalli C, Chiorazzi A, Marmiroli P, Cavaletti G, **Carozzi V.** Expression of TRPV1, CGRP and Substance P in spinal primary afferents neurons in a rat model of bortezomib-induced peripheral neuropathy. 22° convegno nazionale del gruppo italiano per lo studio della neuromorfologia (GISN). Bologna, 22-23 novembre 2012.
27. Meregalli C, Chiorazzi A, Canta A, **Carozzi V,** Sala B, Oggioni N, Cavaletti G. Bortezomib-Induced peripheral neuropathy: study of proteasome inhibition and microtubule stabilization mechanisms in rat model. 22° convegno nazionale del gruppo italiano per lo studio della neuromorfologia (GISN). Bologna, 22-23 novembre 2012.
28. Sala B, **Carozzi V,** Chiorazzi A, Meregalli C, Oggioni N, Canta A, Cavaletti G. Characterization of peripheral neuropathy induced by chronic cisplatin administration in several mice models. 11th international Symposium on Platinum Coordination Compounds in Cancer chemotherapy. Verona, October 11-14.
29. **Carozzi VA,** Meregalli C, Chiorazzi A, Sala B, Oggioni N, Cavaletti G. Characterization of the neurotoxicity and antineoplastic activity of bortezomib in a new myeloma-bearing murine model. XIX Congresso dell'Associazione Italiana delle Scienze degli Animali da Laboratorio (AISAL). Roma, 4-5 ottobre 2012.
30. Rigolio R, Magni A, Ballarini E, Meregalli C, Chiorazzi A, Sala B, Canta A, **Carozzi V,** Avezza F, Crippa L, Cavaletti G. Neutrophil depletion during sensitization phase affects the chronic phase of experimental autoimmune encephalomyelitis. XXII Riunione dell'Associazione Italiana di Neuroimmunologia (AINI). Catania, 26-29 settembre 2012.
31. Tredici S., Oggioni N., Sala B., **Carozzi V.,** Crippa L., Nicolini G., Bagnoli P., Costantino L., Tredici G. Biodistribution and toxicology of two pfcs intravenously injected in rats. 7th symposium on liquid ventilation and medical applications of perfluorocarbons. Paris, 2012 May 3rd -4th.

32. **Carozzi** VA, Serra MP, Poddighe L, Boi M, Del Fiacco M, Meregalli C, Chiorazzi A, Marmiroli P, Cavaletti G, Quartu M. Neurochemical characterization of bortezomib-induced peripheral neuropathy: expression of trpv1, cgrp and substance p in the rat drg and dorsal horn of spinal cord. Riunione dell'associazione italiana per lo studio del sistema nervosa periferico. Pisa 12-14 aprile 2012.
33. **Carozzi** VA., Renn C., Rhee P., Gallop D., Marmiroli P., Cavaletti G., Dorsey SG. Electrophysiological, behavioral and molecular characterization of the neuropathic pain in bortezomib-induced peripheral neuropathy. 103rd Annual Meeting of American Association for Cancer Research. Chicago, Illinois, 2012 march 31st-april 4th.
34. Cavaletti G., **Carozzi** V., Nicolini G., Tredici G., Marmiroli P. Expression, distribution and glutamate uptake activity of excitatory aminoacid transporters in in vitro cultures of embryonic dorsal root ganglia. . 65° congresso della società italiana di anatomia e istologia, Padova 27-29 september 2011.
35. Quartu M., Serra MP., Poddighe L., Boi M., Del Fiacco M., Meregalli C., Chiorazzi A., Marmiroli P., Cavaletti G., **Carozzi** V. Transient receptor vanilloid type 1 (TRPV1) and neuropeptides in the dorsal root ganglia and spinal cord in a rat model of Bortezomib-induced neuropathy. 65° congresso della società italiana di anatomia e istologia, Padova 27-29 september 2011.
36. **Carozzi** V., Renn C., Rhee P., Gallop D., Dorsey S., Cavaletti G. Electrophysiological and behavioral characterization of bortezomib-induced painful peripheral neuropathy in mice. AISAL Meeting, Napoli, 22-23 september 2011.
37. Rigolio R., Magni A., Ballarini E., Meregalli C., Chiorazzi C., Sala B., **Carozzi** V., Canta A., Avezza F., Oggioni N., Crippa L., Cavaletti G. Preventive treatment with anti-rat neutrophil serum affects the relapsing phase in Dark Agouti EAE rats. XXI AINI Congress, Pollenzo-Bra (CN), 22-25 September 2011.
38. **Carozzi** V., Renn C., Rhee P., Gallop D., Marmiroli P., Dorsey S., Cavaletti C. Characterization of the painful peripheral neuropathy induced by bortezomib-based chemotherapy in mice. 2011 Meeting of the Peripheral Nerve Society, 25-29 Potomac, Maryland (USA).
39. Sala B., Chiorazzi A., **Carozzi** V., Oggioni N., Pisano C., Vesci L., Foderà R., Cavaletti G. EVALUATION OF THE NEUROPROTECTIVE EFFECT OF ACETYL-L-CARNITINE IN MYELOMA-BEARING MICE TREATED WITH BORTEZOMIB. Riunione dell'associazione italiana per lo studio del sistema nervosa periferico. Bologna 28-30 aprile 2011.
40. **Carozzi** V., Sala B., Renn C., Rhee P., Gallop D., Dorsey S., Cavaletti G. Electrophysiological, behavioural and morphological characterization of oxaliplatin-induced painful peripheral neuropathy in mice. Riunione dell'associazione italiana per lo studio del sistema nervosa periferico. Bologna 28-30 aprile 2011.
41. Canta A., Chiorazzi A., **Carozzi** V., Oggioni N., Sala B., Zucchetti M., Cavaletti G. LipoplatinTM: A less neurotoxic formulation of Cisplatin. 102nd Annual Meeting of American Association for Cancer Research. Orlando, Florida, 2011 april 1-7.
42. **Carozzi** V., Renn C., Rhee P., Gallop D., Dorsey S., Cavaletti G. Characterization of the painful peripheral neuropathy induced by oxaliplatin-based chemotherapy in balb-c mice. 102nd Annual Meeting of American Association for Cancer Research. Orlando, Florida, 2011 april 1-7.
43. Rigolio R., Chiorazzi A., Meregalli C., Canta A., **Carozzi** V., Rodriguez- Menendez V., Avezza F., Crippa L., Oggioni N., Cavaletti G. The role of the complete Freund's adjuvant and neutrophils in actively induced Lewis EAE. 10th International congress of Neuroimmunology, Barcellona, 2010 Oct 26th-30th .
44. Ballarini E., **Carozzi** V., Canta A., Chiorazzi A., Meregalli C., Avezza F., Crippa L., Oggioni N., Cavaletti R., Rigolio R. Neutrophil contribution and immunoglobulin effect on Dark Agouti Experimental Autoimmune Encephalomyelitis. XX AINI Congress, Stresa (VB), Italy, 2010 Sept 30th-Oct 3rd.
45. Marmiroli P., Bianchi R., Figliuzzi M., Scuteri A., **Carozzi** V., Canta A., Meregalli C., Avezza F., Miloso M., Lauria G., Remuzzi A. Transplanted pancreatic islet survive and reverse type I diabetic neuropathy. 64th meeting of the italian society of anatomy and hystology, Taormina, september 15-18, 2010.
46. Marmiroli P., Bianchi R., Figliuzzi M., Porretta-Serrapiglia C., Oggioni N., **Carozzi** V., Lauria G., Lombardi R., Remuzzi A., Cavaletti G. Effect of pancreatic islets transplantation on type I diabetic neuropathy. Peripheral Nerve Society Satellite Meeting, Sydney, Australia, July 5-7, 2010.
47. Meregalli C., Chiorazzi A., Canta A., **Carozzi** V., Oggioni N., Ferrari F., Lanza M., Letari O., Caselli G., Costa B., Cavaletti G., Tredici G. CR4056: A novel potent anti-nociceptive agent for several animal models of neuropathic pain. III meeting on Neuropathic Pain. Athens, 27-30 may 2010.
48. Wozniak K.M., Lapidus R.G., Wu Y., **Carozzi** V.A, Cavaletti G., Hayakawa K., Hosokawa S., Towle M.J., Littlefield B.A., Nomoto K., Slusher B.S. Comparison of neuropathy-inducing effects of eribulin versus paclitaxel in mice. American Association of Cancer Research (AACR), Washington DC, 16-21 April 2010.

49. Canta A., Meregalli C., **Carozzi** V.A., Oggioni N., Chiorazzi A., Tredici G., Lanza M., Letari O., Caselli G. Bortezomib-induced neuropathic pain: Evaluation of anti-nociceptive effect of a new analgesic compound. American Association of Cancer Research (AACR), Washington DC, 16-21 April 2010.
50. **Carozzi** V., Canta A., Oggioni N., Sala B., Meregalli C., Chiorazzi A., Bossi M., Cavaletti G. Characterization of new murine models of peripheral neuropathy induced by chronic administration of antineoplastic drugs. American Association of Cancer Research (AACR), Washington DC, 16-21 April 2010.
51. Ceresa C., Nicolini G., Canta A., **Carozzi** V.A., Tredici G., Cavaletti G. ASSOCIATION OF ORGANIC CATION TRANSPORTERS EXPRESSION IN RAT DORSAL ROOT GANGLIA NEURONS AND CISPLATIN-INDUCED PERIPHERAL NEUROTOXICITY. XIV Riunione annuale Gruppo di Studio Sistema Nervoso periferico, Trieste, 8-10 April 2010.
52. **Carozzi** V., Canta A., Oggioni N., Sala B., Meregalli C., Chiorazzi A., Ballarini E., Cavaletti G. CHARACTERIZATION OF NEW MURINE MODELS OF PERIPHERAL NEUROPATHY INDUCED BY CHRONIC ADMINISTRATION OF ANTINEOPLASTIC DRUGS. XIV Riunione annuale Gruppo di Studio Sistema Nervoso periferico, Trieste, 8-10 April 2010.
53. Ceresa C., Nicolini G., Canta A., **Carozzi** V.A., Tredici G., Cavaletti G. Organic cation transporters and cisplatin-induced peripheral neurotoxicity. Neuroscience Meeting, Chicago, 17-22 October 2009.
54. **Carozzi** V., Canta A., Oggioni N., Chiorazzi A., Meregalli C., Sala B., Cavaletti G. CISPLATIN, EPOTHILONE B AND BORTEZOMIB-INDUCED PERIPHERAL NEUROPATHIES: A NEUROPHYSIOLOGICAL STUDY IN THE MOUSE. Meeting Società Italiana Farmacologia, Rimini, 14-17 October 2009.
55. Giatti S., Pesaresi M., Cavaletti G., Bianchi R., **Carozzi** V., Lombardi R., maschi O., Lauria G., Garcia-Segura L.M., Caruso D., Melcangi M. NEUROPROTECTIVE EFFECTS OF A LIGAND OF TRANSLOCATOR PROTEIN 19 KDa (Ro5-4864) IN EXPERIMENTAL DIABETIC NEUROPATHY. Meeting Società Italiana Neuroscienze, Milano, 2-5 October 2009.
56. Ceresa C., Nicolini G., Canta A., **Carozzi** V., Tredici G., Cavaletti G. ORGANIC CATION TRANSPORTERS AND CISPLATIN-INDUCED PERIPHERAL NEUROTOXICITY IN DORSAL ROOT GANGLIA. Meeting Società Italiana Neuroscienze, Milano, 2-5 October 2009.
57. **Carozzi** V., Zoia C., Ferrarese C., Cavaletti G. "HIGH AFFINITY" MEMBRANE BOUND GLUTAMATE TRANSPORTERS (EAATs) ARE EXCLUSIVELY RESPONSIBLE FOR GLUTAMATE UPTAKE ACTIVITY IN EMBRYONIC DRG IN VITRO CULTURES. Meeting Società Italiana Neuroscienze, Milano, 2-5 October 2009.
58. Bianchi R., Cornolti R., Oggioni N., Porretta-Serapiglia C., Trudu M., Lombardi R., **Carozzi** V., Lauria G., Remuzzi A., Cavaletti G. Functional recovery with syngeneically transplanted microcapsulated pancreatic islets in streptozotocin-induced diabetic rats. Peripheral Nerve Society, Biennial Meeting, July 4-8, 2009, Wurzburg, Germany.
59. Carozzi V., Zoia C., Ceresa C., Ferrarese C., Cavaletti G. ALTERATIONS IN GLUTAMATE UPTAKE IN A IN VITRO MODEL OF CISPLATIN- NEUROTOXICITY, Peripheral Nerve Society, Biennial Meeting, July 4-8, 2009, Wurzburg, Germany.
60. **Carozzi** V., Zoia C., Marmioli P., Ferrarese C., Cavaletti G. and Tredici G. Immunohistochemical characterization of the distribution of glutamate receptors, "high affinity" membrane bound glutamate transporters and of Glutamate Carboxipeptidase II (GCP II) in in vitro cultures of embryonic dorsal root ganglia. XXXIII Congresso della Società Italiana di Immunoistochimica, Roma 8-10 June 2009.
61. Bianchi R., Cornolti R., Oggioni N., Porretta-Serapiglia C., Trudu M., Lombardi R., **Carozzi** V., Lauria G., Cavaletti G., Remuzzi A. Hyperglycemia and nerve functional parameters are normalized by syngeneically transplanted microcapsulated rat pancreatic islets in rats with streptozotocin-induced diabetes. XIII Riunione annuale Gruppo di Studio Sistema Nervoso periferico, Otranto 14-18 May 2009.
62. Gilardini A., Meregalli C., Canta A., **Carozzi** V., Oggioni N., Chiorazzi A., Rodriguez-Menendez V., Bossi M., Crippa L., Avezza F., Tredici G., Cavaletti G. Neurotoxicity ad neuropathic pain induced by Bortezomib: evaluation of peripheral nerve fibres from a clinical to an ultrastructural level. Congresso annuale Società Italiana di Neurologia, Napoli 18-22 October 2008.
63. Chiorazzi A., **Carozzi** V., Canta A., Meregalli C., Oggioni N., Bianchi R., Lombardi R., Camozzi F., Lauria G. and Cavaletti G. Analgesic effect of Buprenorphine in an experimental model of painful diabetic peripheral neuropathy. Congresso annuale Società Italiana di Neurologia, Napoli 18-22 October 2008.
64. Cavaletti G., **Carozzi** V., Chiorazzi A., Oggioni N., Marmioli P. Characterization of Glutamate Transporters in Peripheral Nervous System. 62° Congresso Società italiana di Anatomia ed Istologia, Verona 14-16 September 2008.
65. **Carozzi** V., Canta A., Konvalinka J., Slusher B., Wozniak K., Lapidus R., Cavaletti G. Glutamate Carboxypeptidase II inhibition in several rat models of chemotherapy-induced peripheral neurotoxicity. ASCO Annual Meeting, May 30- June 3, 2008 Chicago, Illinois.

66. Canta A., **Carozzi V.**, Chiorazzi A., Oggioni N., Gilardini A., Rodriguez-Menendez V., Bossi M., Crippa L., Tredici G., Cavaletti G. Bortezomib-induced peripheral neurotoxicity: a preclinical model to study neuropathic pain in rat. XII Riunione annuale Gruppo di Studio Sistema Nervoso periferico, Alba 10-12 April 2008.
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Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del D.P.R. 445/2000.

Autorizzo il trattamento dei miei dati personali (DL. 196/03)

Monza, 2018, May, 15th

Valentina Alda Carozzi

