

**INFORMAZIONI
PERSONALI**

Tiziana Borsello

 Milano (Italy) tiziana.borsello@unimi.itProfessore Associato
Capo Laboratorio Morte Neuronale e Neuroprotezione**ESPERIENZA
PROFESSIONALE**

2015–Attualmente

Professore Associato
Anatomia Umana, Università degli studi di Milano (Italy)

2014 Abilitazione Scientifica Nazionale come professore di I fascia, nel settore concorsuale 05/H1 (Anatomia Umana), settore scientifico disciplinare BIO 16 nell'ambito dell'Abilitazione Scientifica Nazionale 2014 (ottiene l'abilitazione sia alla Seconda che alla Prima fascia)

2008–Attualmente

Capo Laboratorio Morte Neuronale e Neuroprotezione
IRCCS- Mario Negri Milano (Italy)

2003–2007

Maitre Assistant
Assistant Professor di Anatomia Umana
Capo Laboratorio di Morte Neuronale al DBCM Scuola di Medicina, Losanna (Svizzera)

1999–2003

Prime Assistant con funzioni di insegnamento al Dipartimento DBCM, Scuola di Medicina, Losanna (Svizzera)

1995–1998

Post-doc presso CNR, Laboratorio di Neurobiologia di Rita Levi Montalcini, Roma (Italia)

**ISTRUZIONE E
FORMAZIONE**

1994

PhD in Neuroscienze
Università di Torino, Torino (Italia)
Tesi sperimentale dal titolo "Trophic interaction and plasticity in the olivo-cerebellar system"

1990

Laurea in Scienze Biologiche
Università di Torino, Torino (Italia)
Tesi sperimentale dal titolo "Effetti di alcuni cationi bivalenti sulla attività della alcool

deidrogenasi di KLYVEROMYCES MARXIANUS”.

COMPETENZE PERSONALI

Lingua Madre Italiano

ALTRE LINGUE

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	ASCOLTO	LETTURA	INTERAZIONE	PRODUZIONE ORALE	
INGLESE	C1	C1	C1	C1	C1
FRANCESE	C1	C1	C1	C1	C1

Competenze comunicative Ottime capacità comunicative ottenuta grazie all’esperienza di docente Universitario e di relatore a conferenze Internazionali e Nazionali

Competenze organizzative e gestionali Leader di gruppi di ricerca da oltre quindici anni

Pubblicazioni Articoli pubblicati: 68 (59 papers originali, 9 reviews)
 IF cumulativo (1992-2018): 395,604
 IF medio (1992-2018): 6,08
 H-index (Scopus): 27
 Numero totale di citazioni (Scopus): 2980
 Libri: 2

Progetti PI of different International grants, such as Suisse National Grants and Italian Ministry of Health (Ministero della Salute), Privat foundations (San Paolo, CARIPLO, AiRett), European agency (ASA, EU-grants) e USA (ADDF).

Conferenze internazionali Partecipazione/speaker a 11 conferenze nazionali/internazionali

Memberships Società Italiana di Farmacologia
 Società Italiana di Neuroscienze
 CEND (Centro d’eccellenza delle Malattie Neurodegenerative CEND dell’Università degli Studi di Milano).

INFORMAZIONI AGGIUNTIVE

- Pubblicazioni**
- Buccarello L, Musi CA, Turati A, Borsello T. The Stress c-Jun N-terminal Kinase Signaling Pathway Activation Correlates with Synaptic Pathology and Presents A Sex Bias in P301L Mouse Model of Tauopathy. *Neuroscience*. 2018 Nov 21;393:196-205. doi: 10.1016/j.neuroscience.2018.09.049. Epub 2018 Oct 11. PubMed PMID: 30315879.
I.F.: 3,38 - Cit: 0
- Schellino R, Boido M, Borsello T, Vercelli A. Pharmacological c-Jun NH(2)-Terminal Kinase (JNK) Pathway Inhibition Reduces Severity of Spinal Muscular Atrophy Disease in Mice. *Front Mol Neurosci*. 2018 Sep 4;11:308. doi: 10.3389/fnmol.2018.00308. eCollection 2018. PubMed PMID: 30233310; PubMed Central PMCID: PMC6131195.
I.F.: 3,9 – Cit: 0
- Repici M, Hassanjani M, Maddison DC, Garção P, Cimini S, Patel B, Szegő ÉM, Straatman KR, Lilley KS, Borsello T, Outeiro TF, Panman L, Giorgini F. The Parkinson's Disease-Linked Protein DJ-1 Associates with Cytoplasmic mRNP Granules During Stress and Neurodegeneration. *Mol Neurobiol*. 2019 Jan;56(1):61-77. doi: 10.1007/s12035-018-1084-y. Epub 2018 Apr 19. PubMed PMID: 29675578.
I.F.: 5,07 – Cit: 0
- Russo R, Cattaneo F, Lippiello P, Cristiano C, Zurlo F, Castaldo M, Irace C, Borsello T, Santamaria R, Ammendola R, Calignano A, Miniaci MC. Motor coordination and synaptic plasticity deficits are associated with increased cerebellar activity of NADPH oxidase, CAMKII, and PKC at preplaque stage in the TgCRND8 mouse model of Alzheimer's disease. *Neurobiol Aging*. 2018 Aug; 68:123-133. doi: 10.1016/j.neurobiolaging.2018.02.025. Epub 2018 Mar 5. PubMed PMID: 29602494.
I.F.: 4,4 – Cit: 1
- Pesaresi M, Giatti S, Spezzano R, Romano S, Diviccaro S, Borsello T, Mitro N, Caruso D, Garcia-Segura LM, Melcangi RC. Axonal transport in a peripheral diabetic neuropathy model: sex-dimorphic features. *Biol Sex Differ*. 2018 Jan 19; 9(1):6. doi: 10.1186/s13293-018-0164-z. PubMed PMID: 29351809; PubMed Central PMCID: PMC5775621.
I.F.: 3,5 – Cit: 2
- Buccarello L, Sclip A, Sacchi M, Castaldo AM, Bertani I, ReCecconi A, Maestroni S, Zerbini G, Nucci P, Borsello T. The c-Jun N-Terminal Kinase plays a key role in ocular degenerative changes in a mouse model of Alzheimer disease suggesting a correlation between ocular and brain pathologies. *Oncotarget*. 2017 Aug doi: 10.18632/oncotarget.19886.
I.F.: 5,2 – Cit: 4
- Ardiles AO, Grabrucker AM, Scholl FG, Rudenko G, Borsello T. Molecular and Cellular Mechanisms of Synaptopathies. *Neural Plast*. 2017; 2017:2643943. doi: 10.1155/2017/2643943. Epub 2017 Apr 30. PubMed PMID: 28540088; PubMed Central PMCID: PMC5429942.
I.F.: 3,16 – Cit: 1
- Buccarello L, Grignaschi G, Di Giancamillo A, Domeneghini C, Melcangi RC, Borsello T. Neuroprotective effects of low fat-protein diet in the P301L mouse model of tauopathy. *Neuroscience*. 2017 Jun 23;354: 208-220. doi: 10.1016/j.neuroscience.2017.04.027. Epub 2017 Apr 27. PubMed PMID: 28456717.
I.F.: 3,38 – Cit: 1
- Biggi S, Buccarello L, Sclip A, Lippiello P, Tonna N, Rumio C, Di Marino D, Miniaci MC, Borsello T. Evidence of Presynaptic Localization and Function of the c-Jun N-Terminal Kinase. *Neural Plast*. 2017; 2017:6468356. doi: 10.1155/2017/6468356. Epub 2017 Mar 7. PubMed PMID: 28367336; PubMed Central PMCID: PMC5359460.
I.F.: 3,16 – Cit: 1
- Buccarello L, Grignaschi G, Castaldo AM, Di Giancamillo A, Domeneghini C, Melcangi RC, Borsello T. Sex Impact on Tau-Aggregation and Postsynaptic Protein Levels in the P301L Mouse Model of Tauopathy. *J Alzheimers Dis*. 2017;56(4):1279-1292. doi: 10.3233/JAD-

161087. PubMed PMID: 28157099.

I.F.: 3,47 – Cit: 5

Buccarello L, Borsello T. The Tat-A β 1-6A2V(D) peptide against AD synaptopathy. *Oncotarget*. 2017 Feb 14;8(7): 10773-10774. doi: 10.18632/oncotarget.14604. PubMed PMID: 28121622; PubMed Central PMCID: PMC5355218.

I.F.: 5,2 – Cit: 1

Raguz J, Jeric I, Niaux T, Nowacka JD, Kuzet SE, Rupp C, Fischer I, Biggi S, Borsello T, Baccarini M. Epidermal RAF prevents allergic skin disease. *Elife*. 2016 Jul 19;5. pii: e14012. doi: 10.7554/eLife.14012. PubMed PMID: 27431613; PubMed Central PMCID: PMC4951198.

I.F.: 7,72 – Cit: 5

Massignan T, Cimini S, Stincardini C, Cerovic M, Vanni I, Elezgarai SR, Moreno J, Stravalaci M, Negro A, Sangiovanni V, Restelli E, Riccardi G, Gobbi M, Castilla J, Borsello T, Nonno R, Biasini E. A cationic tetrapyrrole inhibits toxic activities of the cellular prion protein. *Sci Rep*. 2016 Mar 15; 6:23180. doi: 10.1038/srep23180. PubMed PMID: 26976106; PubMed Central PMCID: PMC4791597.

I.F.: 4,25 – Cit: 10

Cimini S, Sclip A, Mancini S, Colombo L, Messa M, Cagnotto A, Di Fede G, Tagliavini F, Salmona M, Borsello T. The cell-permeable A β 1-6A2VTAT(D) peptide reverts synaptopathy induced by A β 1-42wt. *Neurobiol Dis*. 2016 May;89:101-11. doi: 10.1016/j.nbd.2015.12.013. Epub 2015 Dec 22. PubMed PMID: 26721320.

I.F.: 5,02 – Cit: 4

Relja B, Weber R, Maraslioglu M, Wagner N, Borsello T, Jobin C, Marzi I, Lehnert M. Differential Relevance of NF- κ B and JNK in the Pathophysiology of Hemorrhage/Resuscitation-Induced Liver Injury after Chronic Ethanol Feeding. *PLoS One*. 2015 Sep 14;10(9):e0137875. doi: 10.1371/journal.pone.0137875. eCollection 2015. PubMed PMID: 26367181; PubMed Central PMCID: PMC4569329.

I.F.: 2,8 – Cit: 5

Vercelli A, Biggi S, Sclip A, Repetto IE, Cimini S, Falleroni F, Tomasi S, Monti R, Tonna N, Morelli F, Grande V, Stravalaci M, Biasini E, Marin O, Bianco F, di Marino D, Borsello T. Exploring the role of MKK7 in excitotoxicity and cerebral ischemia: a novel pharmacological strategy against brain injury. *Cell Death Dis*. 2015 Aug 13;6:e1854. doi: 10.1038/cddis.2015.226. PubMed PMID: 26270349; PubMed Central PMCID: PMC4558515.

I.F.: 5,37 – Cit: 13

Magini A, Polchi A, Tozzi A, Tancini B, Tantucci M, Urbanelli L, Borsello T, Calabresi P, Emiliani C. Abnormal cortical lysosomal β -hexosaminidase and β -galactosidase activity at post-synaptic sites during Alzheimer's disease progression. *Int J Biochem Cell Biol*. 2015 Jan;58:62-70. doi:10.1016/j.biocel.2014.11.001. Epub 2014 Nov 12. PubMed PMID: 25462158.

I.F.: 1,66 – Cit: 11

Tozzi A, Sclip A, Tantucci M, de Iure A, Ghiglieri V, Costa C, Di Filippo M, Borsello T, Calabresi P. Region- and age-dependent reductions of hippocampal long-term potentiation and NMDA to AMPA ratio in a genetic model of Alzheimer's disease. *Neurobiol Aging*. 2015 Jan; 36(1):123-33. doi: 10.1016/j.neurobiolaging.2014.07.002. Epub 2014 Jul 10. PubMed PMID: 25104560.

I.F.: 5,15 – Cit: 15

Davoli E, Sclip A, Cecchi M, Cimini S, Carrà A, Salmona M, Borsello T. Determination of tissue levels of a neuroprotectant drug: the cell permeable JNK inhibitor peptide. *J Pharmacol Toxicol Methods*. 2014 Jul-Aug; 70(1):55-61. doi: 10.1016/j.vascn.2014.04.001. Epub 2014 May 9. PubMed PMID: 24814549.

I.F.: 2,34 – Cit: 10

Sclip A, Tozzi A, Abaza A, Cardinetti D, Colombo I, Calabresi P, Salmona M, Welker E, Borsello T. c-Jun N-terminal kinase has a key role in Alzheimer disease synaptic dysfunction in vivo. *Cell Death Dis.* 2014 Jan 23; 5:e1019. doi:10.1038/cddis.2013.559. PubMed PMID: 24457963; PubMed Central PMCID: PMC4040696.

I.F.: 5,01 – Cit: 36

Sclip A, Arnaboldi A, Colombo I, Veglianesi P, Colombo L, Messa M, Mancini S, Cimini S, Morelli F, Antoniou X, Welker E, Salmona M, Borsello T. Soluble A β oligomer-induced synaptopathy: c-Jun N-terminal kinase's role. *J Mol Cell Biol.* 2013 Aug;5(4):277-9. doi: 10.1093/jmcb/mjt015. Epub 2013 Apr 18. PubMed PMID:23606726.

I.F.: 8,43 – Cit: 13

Fluharty BR, Biasini E, Stravalaci M, Sclip A, Diomedea L, Balducci C, La Vitola P, Messa M, Colombo L, Forloni G, Borsello T, Gobbi M, Harris DA. An N-terminal fragment of the prion protein binds to amyloid- β oligomers and inhibits their neurotoxicity in vivo. *J Biol Chem.* 2013 Mar 15;288(11):7857-66. doi: 10.1074/jbc.M112.423954. Epub 2013 Jan 28. PubMed PMID: 23362282; PubMed Central PMCID: PMC3597823.

I.F.: 1,57 – Cit: 99

Forloni G, Sclip A, Borsello T, Balducci C. The neurodegeneration in Alzheimer disease and the prion protein. *Prion.* 2013 Jan-Feb;7(1):60-5. doi: 10.4161/pri.23286. Epub 2013 Jan 1. Review. PubMed PMID: 23324596; PubMed Central PMCID: PMC3609052.

I.F.: 1,96 – Cit: 10

Esposito S, Pristerà A, Maresca G, Cavallaro S, Felsani A, Florenzano F, Manni L, Ciotti MT, Pollegioni L, Borsello T, Canu N. Contribution of serine racemase/d-serine pathway to neuronal apoptosis. *Aging Cell.* 2012 Aug; 11(4):588-98. doi: 10.1111/j.1474-9726.2012.00822.x. Epub 2012 Jun 5. PubMed PMID: 22507034.

I.F.: 5,70 – Cit: 19

Repici M, Chen X, Morel MP, Doulazmi M, Sclip A, Cannaya V, Veglianesi P, Kraftsik R, Mariani J, Borsello T, Dusart I. Specific inhibition of the JNK pathway promotes locomotor recovery and neuroprotection after mouse spinal cord injury. *Neurobiol Dis.* 2012 Jun;46(3):710-21. doi: 10.1016/j.nbd.2012.03.014. Epub 2012 Mar 9. PubMed PMID: 22426389.

I.F.: 5,74 – Cit: 28

Antoniou X, Borsello T. The JNK signalling transduction pathway in the brain. *Front Biosci (Elite Ed).* 2012 Jan 1;4:2110-20. Review. PubMed PMID: 22202023.

I.F.: 0,20 – Cit: 10

Feligioni M, Brambilla E, Camassa A, Sclip A, Arnaboldi A, Morelli F, Antoniou X, Borsello T. Crosstalk between JNK and SUMO signaling pathways: deSUMOylation is protective against H₂O₂-induced cell injury. *PLoS One.* 2011;6(12):e28185. doi: 10.1371/journal.pone.0028185. Epub 2011 Dec 2. PubMed PMID: 22164242; PubMed Central PMCID: PMC3229511.

I.F.: 4,09 – Cit: 31

Sclip A, Antoniou X, Colombo A, Camici GG, Pozzi L, Cardinetti D, Feligioni M, Veglianesi P, Bahlmann FH, Cervo L, Balducci C, Costa C, Tozzi A, Calabresi P, Forloni G, Borsello T. c-Jun N-terminal kinase regulates soluble A β oligomers and cognitive impairment in AD mouse model. *J Biol Chem.* 2011 Dec 23;286(51):43871-80. doi: 10.1074/jbc.M111.297515. Epub 2011 Oct 27. PubMed PMID:22033930; PubMed Central PMCID: PMC3243502.

I.F.: 4,69 – Cit: 47

Ploia C, Antoniou X, Sclip A, Grande V, Cardinetti D, Colombo A, Canu N, Benussi L, Ghidoni R, Forloni G, Borsello T. JNK plays a key role in tau hyperphosphorylation in Alzheimer's disease models. *J Alzheimers Dis.* 2011;26(2):315-29. doi: 10.3233/JAD-2011-

110320. PubMed PMID: 21628793.

I.F.: 5,42 – Cit: 57

Antoniou X, Falconi M, Di Marino D, Borsello T. JNK3 as a therapeutic target for neurodegenerative diseases. *J Alzheimers Dis.* 2011;24(4):633-42. doi: 10.3233/JAD-2011-091567. Review. PubMed PMID: 21321401.

I.F.: 5,42 – Cit: 29

Repici M, Wehrle R, Antoniou X, Borsello T, Dusart I. c-Jun N-terminal kinase (JNK) and p38 play different roles in age-related Purkinje cell death in murine organotypic culture. *Cerebellum.* 2011 Jun;10(2):281-90. doi: 10.1007/s12311-010-0244-z. PubMed PMID: 21191679.

I.F.: 3,20 – Cit: 8

Urru SA, Veglianesi P, De Luigi A, Fumagalli E, Erba E, Gonella Diaza R, Carrà A, Davoli E, Borsello T, Forloni G, Pengo N, Monzani E, Cascio P, Cenci S, Sitia R, Salmona M. A new fluorogenic peptide determines proteasome activity in single cells. *J Med Chem.* 2010 Oct 28;53(20):7452-60. doi: 10.1021/jm100362x. PubMed PMID: 20883027.

I.F.: 3,19 – Cit: 10

Epis R, Marcello E, Gardoni F, Vastagh C, Malinverno M, Balducci C, Colombo A, Borroni B, Vara H, Dell'Agli M, Cattabeni F, Giustetto M, Borsello T, Forloni G, Padovani A, Di Luca M. Blocking ADAM10 synaptic trafficking generates a model of sporadic Alzheimer's disease. *Brain.* 2010 Nov;133(11):3323-35. doi: 10.1093/brain/awq217. Epub 2010 Aug 30. PubMed PMID: 20805102.

I.F.: 9,07 – Cit: 48

Balducci C, Beeg M, Stravalaci M, Bastone A, Sclip A, Biasini E, Tapella L, Colombo L, Manzoni C, Borsello T, Chiesa R, Gobbi M, Salmona M, Forloni G. Synthetic amyloid-beta oligomers impair long-term memory independently of cellular prion protein. *Proc Natl Acad Sci U S A.* 2010 Feb 2;107(5):2295-300. doi: 10.1073/pnas.0911829107. Epub 2010 Jan 19. PubMed PMID: 20133875; PubMed Central PMCID: PMC2836680.

I.F.: 9,77 – Cit: 290

Antoniou X, Sclip A, Ploia C, Colombo A, Moroy G, Borsello T. JNK contributes to Hif-1alpha regulation in hypoxic neurons. *Molecules.* 2009 Dec 30;15(1):114-27. doi: 10.3390/molecules15010114. PubMed PMID: 20110876.

I.F.: 1,73 – Cit: 14

Ortolano F, Colombo A, Zanier ER, Sclip A, Longhi L, Perego C, Stocchetti N, Borsello T, De Simoni MG. c-Jun N-terminal kinase pathway activation in human and experimental cerebral contusion. *J Neuropathol Exp Neurol.* 2009 Sep;68(9):964-71. doi: 10.1097/NEN.0b013e3181b20670. PubMed PMID: 19680147.

I.F.: 4,56 – Cit: 26

Relja B, Schwestka B, Lee VS, Henrich D, Czerny C, Borsello T, Marzi I, Lehnert M. Inhibition of c-Jun N-terminal kinase after hemorrhage but before resuscitation mitigates hepatic damage and inflammatory response in male rats. *Shock.* 2009 Nov;32(5):509-16. doi: 10.1097/SHK.0b013e3181a2530d. PubMed PMID: 19295484.

I.F.: 2,87 – Cit: 21

Colombo A, Bastone A, Ploia C, Sclip A, Salmona M, Forloni G, Borsello T. JNK regulates APP cleavage and degradation in a model of Alzheimer's disease. *Neurobiol Dis.* 2009 Mar;33(3):518-25. doi: 10.1016/j.nbd.2008.12.014. Epub 2009 Jan 8. PubMed PMID: 19166938.

I.F.: 4,51 – Cit: 83

Repici M, Mare L, Colombo A, Ploia C, Sclip A, Bonny C, Nicod P, Salmona M, Borsello T. c-Jun N-terminal kinase binding domain-dependent phosphorylation of mitogen-activated protein kinase kinase 4 and mitogen-activated protein kinase kinase 7 and balancing cross-talk between c-Jun N-terminal kinase and extracellular signal-regulated kinase pathways in

cortical neurons. *Neuroscience*. 2009 Mar 3;159(1):94-103. doi: 10.1016/j.neuroscience.2008.11.049. Epub 2008 Dec 14. PubMed PMID: 19135136.

I.F.: 3,29 – Cit: 36

Repici M, Zanjani HS, Gautheron V, Borsello T, Dusart I, Mariani J. Specific JNK inhibition by D-JNKI1 protects Purkinje cells from cell death in Lurcher mutant mouse. *Cerebellum*. 2008;7(4):534-8. doi: 10.1007/s12311-008-0070-8. PubMed PMID: 18949529.

I.F.: 3,84 – Cit: 7

Lehnert M, Relja B, Sun-Young Lee V, Schwestka B, Henrich D, Czerny C, Froh M, Borsello T, Marzi I. A peptide inhibitor of C-jun N-terminal kinase modulates hepatic damage and the inflammatory response after hemorrhagic shock and resuscitation. *Shock*. 2008 Aug;30(2):159-65. doi: 10.1097/SHK.0b013e31815dd623. PubMed PMID: 18628689.

I.F.: 3,39 – Cit: 20

Repici M, Mariani J, Borsello T. Neuronal death and neuroprotection: a review. *Methods Mol Biol*. 2007;399:1-14. doi: 10.1007/978-1-59745-504-6_1. Review. PubMed PMID: 18309921.

I.F.: 1,27 – Cit: 12

Bigini P, Repici M, Cantarella G, Fumagalli E, Barbera S, Cagnotto A, De Luigi A, Tonelli R, Bernardini R, Borsello T, Mennini T. Recombinant human TNF-binding protein-1 (rhTBP-1) treatment delays both symptoms progression and motor neuron loss in the wobbler mouse. *Neurobiol Dis*. 2008 Mar;29(3):465-76. doi: 10.1016/j.nbd.2007.11.005. Epub 2007 Nov 12. PubMed PMID: 18201889.

I.F.: 4,8 – Cit: 22

Repici M, Centeno C, Tomasi S, Forloni G, Bonny C, Vercelli A, Borsello T. Time-course of c-Jun N-terminal kinase activation after cerebral ischemia and effect of D-JNKI1 on c-Jun and caspase-3 activation. *Neuroscience*. 2007 Nov 30;150(1):40-9. Epub 2007 Aug 28. PubMed PMID: 17900813.

I.F.: 3,5 – Cit: 63

Borsello T, Centeno C, Riederer IM, Haefliger JA, Riederer BM. Phosphorylation-dependent dimerization and subcellular localization of islet-brain 1/c-Jun N-terminal kinase-interacting protein 1. *J Neurosci Res*. 2007 Dec;85(16):3632-41. PubMed PMID: 17663463.

I.F.: 3,7 – Cit: 6

Colombo A, Repici M, Pesaresi M, Santambrogio S, Forloni G, Borsello T. The TAT-JNK inhibitor peptide interferes with beta amyloid protein stability. *Cell Death Differ*. 2007 Oct;14(10):1845-8. Epub 2007 Jul 20. PubMed PMID: 17641679.

I.F.: 6,73 – Cit: 34

Borsello T, Forloni G. JNK signalling: a possible target to prevent neurodegeneration. *Curr Pharm Des*. 2007;13(18):1875-86. Review. PubMed PMID: 17584114.

I.F.: 5,32 – Cit: 188

Vaslin A, Puyal J, Borsello T, Clarke PG. Excitotoxicity-related endocytosis in cortical neurons. *J Neurochem*. 2007 Aug;102(3):789-800. Epub 2007 Apr 16. PubMed PMID: 17437546.

I.F.: 0,57 – Cit: 16

Repici M, Borsello T. JNK pathway as therapeutic target to prevent degeneration in the central nervous system. *Adv Exp Med Biol*. 2006; 588:145-55. Review. PubMed PMID: 17089886.

I.F.: 0,91 – Cit: 32

Centeno C, Repici M, Chatton JY, Riederer BM, Bonny C, Nicod P, Price M, Clarke PG, Papa S, Franzoso G, Borsello T. Role of the JNK pathway in NMDA-mediated excitotoxicity of cortical neurons. *Cell Death Differ*. 2007 Feb;14(2):240-53. Epub 2006 Jun 23. PubMed PMID: 16794604.

I.F.: 6,73 – Cit: 79

Zhuang ZY, Wen YR, Zhang DR, Borsello T, Bonny C, Strichartz GR, Decosterd I, Ji RR. A peptide c-Jun N-terminal kinase (JNK) inhibitor blocks mechanical allodynia after spinal nerve ligation: respective roles of JNK activation in primary sensory neurons and spinal astrocytes for neuropathic pain development and maintenance. *J Neurosci*. 2006 Mar 29;26(13):3551-60. PubMed PMID: 16571763.

I.F.: 1,14 – Cit: 352

Bonny C, Borsello T, Zine A. Targeting the JNK pathway as a therapeutic protective strategy for nervous system diseases. *Rev Neurosci*. 2005;16(1):57-67. Review. PubMed PMID: 15810654.

I.F.: 2,25 – Cit: 44

Abdelli S, Ansite J, Roduit R, Borsello T, Matsumoto I, Sawada T, Allaman-Pillet N, Henry H, Beckmann JS, Hering BJ, Bonny C. Intracellular stress signaling pathways activated during human islet preparation and following acute cytokine exposure. *Diabetes*. 2004 Nov;53(11):2815-23. PubMed PMID: 15504961.

I.F.: 0,75 – Cit: 125

Borsello T. The cell permeable peptide strategy is a promising new tool for the prevention of neurodegeneration. *Discov Med*. 2004 Oct;4(23):319-24. PubMed PMID: 20704968.

I.F.: 0,6 – Cit: 3

Borsello T, Bonny C. Use of cell-permeable peptides to prevent neuronal degeneration. *Trends Mol Med*. 2004 May;10(5):239-44. Review. PubMed PMID: 15121051.

I.F.: 1,9 – Cit:

Borsello T, Bressoud R, Mottier V, González N, Gomez G, Clarke PG. Kainate-induced endocytosis in retinal amacrine cells. *J Comp Neurol*. 2003 Oct 13;465(2):286-95. PubMed PMID: 12949787.

I.F.: 3,79 – Cit: 0

Borsello T, Clarke PG, Hirt L, Vercelli A, Repici M, Schorderet DF, Bogousslavsky J, Bonny C. A peptide inhibitor of c-Jun N-terminal kinase protects against excitotoxicity and cerebral ischemia. *Nat Med*. 2003 Sep;9(9):1180-6. Epub 2003 Aug 24. PubMed PMID: 12937412.

I.F.: 32,6 - Cit: 522

Borsello T, Croquelois K, Hornung JP, Clarke PG. N-methyl-d-aspartate-triggered neuronal death in organotypic hippocampal cultures is endocytic, autophagic and mediated by the c-Jun N-terminal kinase pathway. *Eur J Neurosci*. 2003 Aug;18(3):473-85. PubMed PMID: 12911744.

I.F.: 4,16 – Cit: 140

Borsello T, Di Luzio A, Ciotti MT, Calissano P, Galli C. Granule neuron DNA damage following deafferentation in adult rats cerebellar cortex: a lesion model. *Neuroscience*. 2000; 95(1):163-71. PubMed PMID: 10619472.

I.F.: 2,1 – Cit: 26

Vitolo OV, Ciotti MT, Galli C, Borsello T, Calissano P. Adenosine and ADP prevent apoptosis in cultured rat cerebellar granule cells. *Brain Res*. 1998 Nov 2;809(2):297-301. PubMed PMID: 9853123.

I.F.: 0,98 - Cit: 36

Rossi F, Borsello T, Strata P. Exposure to kainic acid mimics the effects of axotomy in cerebellar Purkinje cells of the adult rat. *Eur J Neurosci*. 1994 Mar 1;6(3):392-402. PubMed PMID: 8019676.

I.F.: 2,2 – Cit: 28

Rossi F, Borsello T, Strata P. Embryonic Purkinje cells grafted on the surface of the adult uninjured rat cerebellum migrate in the host parenchyma and induce sprouting of intact

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Dati personali

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 (Codice in materia di protezione dei dati personali) e sue successive modifiche e integrazioni, nonché del Regolamento UE 679/2016 (Regolamento Generale sulla Protezione dei dati o, più brevemente, RGPD).

Data 1/03/2019

Firma



1/03/2019