


PERSONAL
INFORMATIONS

Tiziana Borsello

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Full Professor

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PROFESSIONAL
EXPERIENCE

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- 2020–Present Full Professor of Human Anatomy, at the Department of Pharmacological and Biomolecular Sciences, University of Milan (Italy)
- 2015–2020 Associate Professor of Human Anatomy, at the Department of Pharmacological and Biomolecular Sciences, University of Milan (Italy)
- 2014 National Scientific Qualification as a first level professor, in the competitive sector 05/H1 (Human Anatomy), scientific disciplinary sector BIO 16 in the context of National Scientific Qualification 2014 (obtains the qualification for both the Second and the First band)
- 2008–2015 Head of Neuronal death and Neuroprotection Laboratory IRCCS-Mario Negri Milan (Italy)
- 2003–2007 Maitre Assistant
Assistant Professor of Human Anatomy
Head of Neuronal Death Laboratory at DBCM School of Medicine, Lausanne (Swiss)
- 1999–2003 Prime Assistant with teaching functions at the Department DBCM, School of Medicine, Lausanne (Swiss)
- 1995–1998 Post-doc at CNR, Rita Levi Montalcini Neurobiology Laboratory, Rome (Italy)

EDUCATION AND TRAINING

- 1994 PhD in Neuroscience, University of Turin, Turin (Italy)
Experimental thesis entitled: “Trophic interaction and plasticity in the olive-cerebellar system”

- 1990 Degree in Biological Sciences
University of Turin, Turin (Italy)
Experimental thesis entitled: “Effects of some bivalent cations on the alcohol dehydrogenase activity of KLYVEROMYCES MARXIANUS”

PERSONAL SKILLS

Native Language Italian

OTHER LANGUAGES

	UNDERSTANDING		SPEAKING		WRITING
	LISTENING	READING	SPOKEN INTERACTION	SPOKEN PRODUCTION	
ENGLISH	C1	C1	C1	C1	C1
FRENCH	C1	C1	C1	C1	C1

Communication skills Excellent communication skills gained thanks to experience as a university professor and as a speaker at international and national conferences

Organisational and management skill Group Leader for over eighteen years

Publications

N° of published works: 81 (69 original papers, 12 reviews)

H-index (Scopus): 28

N. of total citations (Scopus): 3921

Books: 2

Projects

PI of different international grants, such as Horizon2020, 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).

International conferences

Title of conference: FENS Paris
Date of conference: 19-13/07/2022
End date of conference: 13/07/2022
Organiser of conference: FENS
Place of conference: Paris France.

Title of conference: BioMed Israel
Date of conference: 15-18/5/ 2022
End date of conference: 18/05//2022
Organiser of conference: Ministry of economy and industry Israel
Place of conference: Tel Aviv Israel

Title of conference: 3rd Innovations and state of the Art in Alzheimer's & Dementia research
Date of conference: 18/07/2019
End date of conference: 20/07/2019
Organiser of conference: ISDR
Place of conference: London, UK.

Type of participation: guest, speaker
Title of conference: National Congress Angelman's Syndrome
Date of conference: 11/10/2019
End date of conference: 13/10/2019
Organiser of conference: ORSA
Place of conference: Assisi, Italy

Type of participation: guest, speaker
Title of conference: The international scientific conference 2018, Hamburg
Date of conference: 11/10/2018
End date of conference: 14/10/2018
Organiser of conference: ASA, Angelmann Syndrome Alliance
Place of conference: Hamburg, Germany

Type of participation: guest
Title of conference: International Summer School of Neuroscience (July 16-20 2018) "Synaptic function and dysfunction: new targets for brain diseases pharmacology"

Date of conference: 16-20/07/2018

Organiser of conference: Filippo Drago- University of Catania

Type of participation: guest, speaker

Title of conference: Identifying molecular mechanism underlying Angelman Syndrome

Organiser of conference: Fens

Place of conference: Milan, Italy

Type of participation: guest, speaker

Title of conference: XVII National congress SINS

Date of conference: 01/10/2017

End date of conference: 04/10/2017

Organiser of conference: SINS

Place of conference: Ischia, Italy

Type of participation: guest, speaker

Title of conference: National congress AIRETT

Date of conference: 27/05/2017

End date of conference: 28/05/2017

Organiser of conference: AIRETT

Place of conference: Cassano d'adda, Italy

Type of participation: guest, speaker

Title of conference: National congress Angelman's Syndrome

Date of conference: 07/10/2016

End date of conference: 09/10/2016

Organiser of conference: ORSA

Place of conference: Assisi, Italy

Type of participation: participation in the organizing committee

Title of conference: Women in neuroscience

Date of conference: 14/09/2016

End date of conference: 15/09/2016

Organiser of conference: www.donnein.org

Place of conference: Milan, Italy

Type of participation: guest, speaker

Title of conference: XIII International Ginevra/Springfield on advanced in Alzheimer therapy

Date of conference: 26/03/2014

End date of conference: 29/03/2014

Organiser of conference: <http://www.siumed.edu/cme/alzheimer/index.html>

Place of conference: Geneva, Switzerland

Type of participation: guest, speaker

Title of conference: VII Fens forum

Date of conference: 03/07/2010

End date of conference: 07/07/2010

Organiser of conference: FENS

Place of conference: Amsterdam, Netherlands

Type of conference: guest, speaker

Date of conference: 15/02/2018

Organiser of conference: ORSA

Country conference venue: Italia

Place of conference: Milan, Italy

Type of participation: guest, speaker

Title of conference: VI European Synapse Meeting

Date of conference: 04/12/2017

End date of conference: 06/12/2017

Title of conference: British pharmacological society
Date of conference: 09/07/2009
End date of conference: 10/07/2009
Organiser of conference: BPS
Place of conference: Edinburgh, Scotland

Type of participation: guest, speaker
Title of conference: 234th ACS National Meeting Boston 2007
Date of conference: 19/08/2007
End date of conference: 23/08/2007
Organiser of conference: 234th ACS National Meeting
Place of conference: Boston, USA

Memberships

Italian Society of Pharmacology
Italian society of Neuroscience
CEND (Center of Excellence in Neurodegenerative Diseases CEND of the University of Studies of Milan).
GISNS Italian group for the study of Neuromorphology

OTHER INFORMATION

Publications

1. Kalemaj Z, Marino MM, Santini AC, et al. Salivary microRNA profiling dysregulation in autism spectrum disorder: A pilot study. *Front Neurosci.* 2022;16:945278. Published 2022 Oct 19. doi:10.3389/fnins.2022.945278
2. Musi CA, Bonadonna C, Borsello T. Synaptic alterations as a common phase in neurological and neurodevelopmental diseases: JNK is a key mediator in synaptic changes. *Neural Regen Res.* 2023;18(3):531-532. doi:10.4103/1673-5374.346488
3. Musi CA, Colnaghi L, Giani A, et al. Effect of 3D Synthetic Microscaffold Nichoid on the Morphology of Cultured Hippocampal Neurons and Astrocytes. *Cells.* 2022;11(13):2008. Published 2022 Jun 23. doi:10.3390/cells11132008
4. Musi CA, Marchini G, Giani A, et al. Colocalization and Interaction Study of Neuronal JNK3, JIP1, and β -Arrestin2 Together with PSD95. *Int J Mol Sci.* 2022;23(8):4113. Published 2022 Apr 8. doi:10.3390/ijms23084113
5. Musi CA, Castaldo AM, Valsecchi AE, et al. JNK signaling provides a novel therapeutic target for Rett syndrome. *BMC Biol.* 2021;19(1):256. Published 2021 Dec 16. doi:10.1186/s12915-021-01190-2
6. Little K, Llorián-Salvador M, Scullion S, et al. Common pathways in dementia and diabetic retinopathy: understanding the mechanisms of diabetes-related cognitive decline. *Trends Endocrinol Metab.* 2022;33(1):50-71. doi:10.1016/j.tem.2021.10.008
7. Conz A, Musi CA, Russo L, Borsello T, Colnaghi L. Super-resolution study of PIAS SUMO E3-ligases in hippocampal and cortical neurons. *Eur J Histochem.* 2021;65(s1):3241. Published 2021 Aug 11. doi:10.4081/ejh.2021.3241
8. Lorenzati M, Boda E, Parolisi R, Bonato M, Borsello T, Herdegen T, Buffo A, Vercelli A. c-Jun N-terminal kinase 1 (JNK1) modulates oligodendrocyte progenitor cell architecture, proliferation and myelination. *Sci Rep.* 2021 Mar 31;11(1):7264. doi: 10.1038/s41598-021-86673-6. PMID: 33790350; PMCID: PMC8012703.
9. Colnaghi L, Conz A, Russo L, Musi CA, Fioriti L, **Borsello T**, Salmona M. Neuronal Localization of SENP Proteins with Super Resolution Microscopy. *Brain Sci.* 2020 Oct 25;10(11):778. doi: 10.3390/brainsci10110778. PMID: 33113832; PMCID: PMC7693135.
10. Musi CA, Agrò G, Santarella F, Iervasi E, **Borsello T**. JNK3 as Therapeutic Target and Biomarker in Neurodegenerative and Neurodevelopmental Brain Diseases. *Cells.* 2020 Sep 28;9(10):2190. doi: 10.3390/cells9102190. PMID: 32998477; PMCID: PMC7600688.
11. Musi CA, Agrò G, Buccarello L, Camuso S, and **Borsello T**. JNK signaling activation in the Ube3a maternal deficient mouse model: Its specific inhibition prevents post- enriched fraction alterations and cognitive deficits in Angelman Syndrome model. *Neurobiol Dis*, Feb 2020 DOI: [10.1016/j.nbd.2020.104812](https://doi.org/10.1016/j.nbd.2020.104812)
12. Cefaliello C, Penna E, Barbato C, Di Ruberto G, Mollica MP, Trinchese G, Cigliano L, **Borsello T**, Chun JT, Giuditta A, Perrone-Capano C, Miniaci MC, Crispino M. Deregulated Local Protein Synthesis in the Brain Synaptosomes of a Mouse Model for Alzheimer's Disease. *Mol Neurobiol.* 2019 Nov 30; 10.1007/s12035-019-01835-y. doi: 10.1007/s12035-019-01835-y. [Epub ahead of print]. PMID: 31784883.
13. 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.
14. 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.
15. 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.

16. 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.
17. 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.
18. Buccarello L, Scip 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.
19. 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.
20. 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.
21. Biggi S, Buccarello L, Scip 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.
22. 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.
23. 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.
24. Raguz J, Jeric I, Niault 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.
25. 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.
26. Cimini S, Scip 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.
27. 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.
28. Vercelli A, Biggi S, Scip 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.
29. 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.

30. 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.
31. 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.
32. 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.
33. 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.
34. Fluharty BR, Biasini E, Stravalaci M, Sclip A, Diomede 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.
35. 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 CentralPMCID: PMC3609052.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.
43. Repici M, Wehrlé 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.
44. 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.

45. 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.
46. Balducci C, Beeg M, Stravalaci M, Bastone A, Scip 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.
47. Antoniou X, Scip 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.
48. Ortolano F, Colombo A, Zanier ER, Scip 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.
49. Relja B, Schweska 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.
50. Colombo A, Bastone A, Ploia C, Scip 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.
51. Repici M, Mare L, Colombo A, Ploia C, Scip 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.
52. 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.
53. Lehnert M, Relja B, Sun-Young Lee V, Schweska 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.
54. 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.
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Sclip, A., Antoniou, X., **Borsello, T.**; Cortical neurons culture to study C-Jun N-Terminal kinase signaling pathway. *Neuromethods*, (2012) 68, pp. 189-202. DOI: 10.1007/978-1-61779-824-5_10

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Principles of Microscopic Anatomy with hints of Histology and Macroscopic Anatomy of M. T. Conconi, C. Rumio. Editor: Edises. Published: Settembre 2018, EAN: 9788833190068, ISBN: 8833190064. Pag: X-326. Co-authors: E. Bertelli, **T. Borsello**, C. Campanella, MT. Conconi, R. Di Liddo, C. Rumio.

Methods in Molecular Biology, Volume 399, 2007 Neuroprotection Methods and Protocols Editors: **T. Borsello** pubblicato da Humana Press, USA ISBN: 978-1-58829-666-5 (Print) 978-1-59745-504-6 (Online)

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Firma

A handwritten signature in black ink, appearing to read "Tiziana Borsello".