

ALLEGATO B

UNIVERSITÀ DEGLI STUDI DI MILANO

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Mario Torso **CURRICULUM VITAE**

INFORMAZIONI PERSONALI

COGNOME	TORSO
NOME	MARIO
DATA DI NASCITA	28/11/1982

TITOLI

TITOLO DI STUDIO

Laurea Magistrale in Psicologia Clinica - Neuropsicologia 58/S,
Università degli Studi di Palermo

Titolo tesi: "La percezione della direzione dello sguardo in soggetti schizofrenici: evidenze dalla rTMS"

Relatore: Prof. Massimiliano Oliveri

Data di conseguimento: 23/02/2009

Voto conseguito: 110/110 e lode

TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO

Dottore di ricerca, Scuole di Neuroscienze, Dottorato in Neuropsicologia, ciclo XXVI.
Università Cattolica del Sacro Cuore, Largo A. Gemelli, Roma

Titolo tesi: "Contributo del danno sia micro che macroscopico alla sostanza bianca cerebrale nel determinare le caratteristiche cliniche delle demenze"

Supervisori: Prof. Marco Bozzali, Prof. Carlo Caltagirone

Data di conseguimento: 27/03/2014

CONTRATTI DI RICERCA, ASSEGNI DI RICERCA O EQUIVALENTI

- Giugno 2018/Maggio 2019,
Postdoctoral Researcher, Nuffield Department of Clinical Neurosciences, University of Oxford.
Supervisore: Prof. Mark Jenkinson. Progetto: "New Diffusion MRI Analysis for Neurodegenerative Conditions".

- Giugno 2017/Maggio 2018,
Postdoctoral Researcher, Nuffield Department of Clinical Neurosciences, Neuropathology, University of Oxford. Supervisore: Prof. Steven Chance. Progetto: "In-vivo measurements of the cortical architecture in Dementia: A novel magnetic resonance imaging tool"
- Giugno 2016/Dicembre 2016,
Postdoctoral Researcher, Nuffield Department of Clinical Neurosciences, Neuropathology, University of Oxford. Supervisore: Prof. Steven Chance. Progetto: "A novel diffusion-weighted magnetic resonance imaging tool for cortical architecture measurements"
- Giugno 2015/Giugno 2016,
Postdoctoral Researcher, Nuffield Department of Clinical Neurosciences, Neuropathology, University of Oxford. Supervisore: Prof. Steven Chance. Progetto: "Neuroimaging of neuropsychiatric disorders (Alzheimer's and Autism), using novel markers".
- Gennaio 2015/Maggio 2015,
Postdoctoral Fellow, IRCCS Fondazione Santa Lucia, Roma. Supervisore: Prof. Marco Bozzali. Progetto: "Studio degli effetti dell'invecchiamento sui processi cerebrali coinvolti nella memoria prospettica mediante l'impiego della Risonanza Magnetica Funzionale".
- Gennaio 2014/ Dicembre 2014,
Postdoctoral Fellow, IRCCS Fondazione Santa Lucia, Roma. Supervisore: Prof. Marco Bozzali. Progetto: "Valutazione neuropsicologica e di cognitive reserve e analisi dati di RM sia convenzionale che non convenzionale".

ATTIVITÀ DIDATTICA A LIVELLO UNIVERSITARIO IN ITALIA O ALL'ESTERO

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DOCUMENTATA ATTIVITÀ DI FORMAZIONE O DI RICERCA PRESSO QUALIFICATI ISTITUTI ITALIANI O STRANIERI;

- 2019/present
Senior Scientist, Oxford Brain Diagnostics Ltd.
- 2018/2019
Postdoctoral Researcher, Nuffield Department of Clinical Neurosciences, Postdoctoral Researcher Neuropathology, University of Oxford
- 2017/2018
Postdoctoral Researcher, Nuffield Department of Clinical Neurosciences, Postdoctoral Researcher Neuropathology, University of Oxford
- 2016/2017
Postdoctoral Researcher, Nuffield Department of Clinical Neurosciences, Postdoctoral Researcher Neuropathology, University of Oxford
- 2015/2016
Postdoctoral Researcher, Nuffield Department of Clinical Neurosciences, Postdoctoral Researcher Neuropathology, University of Oxford
- 2014/2015
Postdoctoral Fellow, Laboratorio di Neuroimmagini, Postdoctoral Fellow, IRCCS Santa Lucia, Roma
- 2011/2014
Dottorato di Ricerca, Università Cattolica del Sacro Cuore, Roma
- 2009 Postgraduate stage, Laboratorio TMS , IRCCS Fondazione Santa Lucia, Roma

DOCUMENTATA ATTIVITÀ IN CAMPO CLINICO

- Gennaio 2011/Maggio 2015
Clinical Research Neuropsychologist, Unità valutativa Alzheimer (U.V.A.), Dipartimento di Neurologia Clinica e Comportamentale, IRCCS Fondazione Santa Lucia, Roma.

REALIZZAZIONE DI ATTIVITÀ PROGETTUALE

- Giugno 2016/ Dicembre 2016 - Pilot project "A novel diffusion-weighted magnetic resonance imaging tool for cortical architecture measurements"

ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI, O PARTECIPAZIONE AGLI STESSI

- Giugno 2016/ Dicembre 2016 - Pilot grant winner, project "A novel diffusion-weighted magnetic resonance imaging tool for cortical architecture measurements"

TITOLARITÀ DI BREVETTI

- Steven Chance, Mark Jenkinson, Mario Torso, "Brain Imaging", A61B5/055
US20220022804A1

ATTIVITÀ DI RELATORE A CONGRESSI E CONVEGNI NAZIONALI E INTERNAZIONALI

1. Torso, M., Mencarelli, L., Di Lorenzo, F., Ridgway, G., Valotti, M., Borghi, I., Bonni, S., Assogna, M., Pezzopane, V., Martorana, A., Chance, S.A., Koch, G. *Cortical microstructural MRI as potential endpoint in a 24-week trial of precuneus rTMS in AD: preliminary results*. International Conference on Alzheimer's and Parkinson's Diseases and related neurological disorders AD/PD 2023, Gothenburg, March 2023.
2. Torso, M., Ridgway, G.R., Valotti, M., Hardingham, I., Chance, S.A. for the Alzheimer's Disease Neuroimaging Initiative. *Synaptic biomarker CSF GAP-43 is associated with cortical microstructure assessed using diffusion MRI*. International Conference on Alzheimer's and Parkinson's Diseases and related neurological disorders AD/PD 2023, Gothenburg, March 2023.
3. Ridgway, G.R., Su, Y., Torso, M., Valotti, M., Chen, E., Reiman, E., Chance, S.A. *Cortical diffusivity shows greater sensitivity than cortical thickness to early neurodegenerative changes around the transition to mild cognitive impairment*. International Conference on Alzheimer's and Parkinson's Diseases and related neurological disorders AD/PD 2023, Gothenburg, March 2023.
4. Torso, M., Ridgway, G.R., Valotti, M., Hardingham, I., Chance, S.A. & Alzheimer's Disease Neuroimaging Initiative. *Cortical microstructural measures from diffusion MRI correlate with cognitive composite scores and predict their longitudinal changes*. Clinical Trials on Alzheimer's Disease CTAD conference 2022, San Francisco, November 2022, in Journal of Prevention of Alzheimer's Disease. (Vol.9, Supp. 1, pp. S136-137).
5. Ridgway, G.R., Torso, M., Tzaferou, D., Valotti, M., Hardingham, I., Chance, S.A. & Alzheimer's Disease Neuroimaging Initiative. *Prediction on longitudinal change in CDR sum of boxes using a cortical microstructural AD signature from baseline diffusion MRI*. Clinical Trials on Alzheimer's Disease CTAD conference 2022, San Francisco, November 2022, in Journal of Prevention of Alzheimer's Disease. (Vol.9, Supp. 1, pp. S135-136).
6. Torso, M., Fumagalli, G., Arighi, A., Ridgway, G.R., Contarino, V., Hardingham, I., Scarpini, E., Chance, S.A., Galimberti D. *Clinical utility of cortical microstructural measures to support early diagnosis in a real-world memory clinic setting*. XVII Convegno Nazionale SINDem, Firenze, October 2022.
7. Torso, M., Tzaferou, D., Valotti, M., Hardwidge, J., Hardingham, I., Guo, Q., Comley, R., Chance, S.A., Ridgway, G.R. *Assessment of novel diffusion MRI metrics of cortical microstructure in the genetic continuum of Parkinson's disease*. International Congress of Parkinson's Disease and Movement Disorders - MDS conference, Madrid, September 2022, in MOVEMENT DISORDERS (Vol. 37, pp. S97-S98).

8. **Torso, M.**, Ridgway, G.R., Valotti, M., Chance, S.A., & Alzheimer's Disease Neuroimaging Initiative. *Regional pattern of cortical microstructural alterations along the AD continuum and association with plasma neurofilament light*. Alzheimer's Association International Conference AAIC 2022, San Diego, July 2022, in Alzheimer's & Dementia, 18, e067640.
9. **Torso, M.**, Ridgway, G.R., Hardingham, I., Chance, S.A., National Alzheimer's Coordinating Center, & Alzheimer's Disease Neuroimaging Initiative. (2022). *Ante-mortem imaging of cortical microstructure relates to post-mortem locus coeruleus hypopigmentation in autopsy-confirmed Alzheimer's disease*. Alzheimer's Association International Conference AAIC 2022, San Diego, July 2022, in Alzheimer's & Dementia, 18, e067564.
10. Tzaferou, D., **Torso, M.**, Hardingham, I., Valotti, M., Hardwidge, J.L., Chance, S.A., Ridgway, G.R. *Cortical grey matter diffusion alterations found in Bipolar Disorder and Major Depressive Disorder within the UK Biobank Imaging Study*. Medical Image Understanding and Analysis - MIUA 2022, Cambridge, July 2022.
11. **Torso, M.**, Ridgway, G.R., Hardingham, I., Schwarz, A.J., Chance, S.A., & Alzheimer's Disease Neuroimaging Initiative. *Cortical microstructural measures correlate with neuroinflammatory measures, predict longitudinal atrophy, and evolve over the AD continuum*. SINdem4juniots Conference, Bressanone, April 2022.
12. **Torso, M.**, Ridgway, G.R., Bozzali, M., Hardingham, I., Chance, S.A. *Different regional patterns of cortical microstructural alterations in Alzheimer's Disease, Primary Progressive Aphasia, Dementia with Lewy Bodies and Vascular Dementia*. International Conference on Alzheimer's and Parkinson's Diseases and related neurological disorders AD/PD 2022, Barcelona, March 2022.
13. **Torso, M.**, Ridgway, G.R., Valotti, M., Hardingham, I., Chance, S.A. *Novel in vivo cortical diffusion MRI measures correlate with classical neuropathology across the Alzheimer's continuum in an autopsy confirmed cohort*. International Conference on Alzheimer's and Parkinson's Diseases and related neurological disorders AD/PD 2022, Barcelona, March 2022.
14. Tzaferou, D., **Torso, M.**, Hardwidge, J.L., Valotti, M., Hardingham, I., Ridgway, G.R., & Chance, S.A. *Cortical diffusion abnormalities in multiple sclerosis and their correlation with cortical volume and white matter hyperintensities in the UK Biobank Imaging Study*. 37th Congress of the European Committee for Treatment and Research in Multiple Sclerosis, Vienna, October 2021, in MULTIPLE SCLEROSIS JOURNAL (Vol. 27, No. 2_ Suppl, pp. 450-451).
15. **Torso, M.**, Hardingham, I., Schwarz, A.J., & Chance, S.A. for the Alzheimer's Disease Neuroimaging Initiative. *In vivo detection of changes related to cortical columnar organization across the AD continuum*. Alzheimer's Association International Conference AAIC 2021, Denver, July 2021, in Alzheimer's & Dementia, 17, e054449.
16. **Torso, M.**, Ridgway, G. R., Hardingham, I., Tzaferou, D., Benzinger, T. L., Chance, S. A., & Dominantly Inherited Alzheimer Network (DIAN). (2021). *Cortical microstructural changes in autosomal dominant Alzheimer's disease*. Alzheimer's Association International Conference AAIC 2021, Denver, July 2021, in Alzheimer's & Dementia, 17, e056091.
17. **Torso, M.**, Ridgway, G. R., Hardingham, I., Schwarz, A.J., Chance, S.A. for the Alzheimer's Disease Neuroimaging Initiative. *In-vivo detection of changes related to cortical columnar organization across the AD continuum*. ISTAART Alzheimer's Association Neuroimaging PIA, on-line seminar, October 2021.
18. **Torso, M.**, Hardingham, I., Jenkinson, M., Chance, S.A. and National Alzheimer's Coordinating Center (NACC). *Predicting conversion from mild cognitive impairment to Alzheimer's disease using cortical diffusivity analysis*. Alzheimer's Association International Conference AAIC 2020, July 2020, virtual, in Alzheimer's & Dementia, 16, e045790.
19. Chance, S. A., **Torso, M.**, Chiesa, P. A., Lemercier, P., Vergallo, A., Lista, S., Potier, M.C., Habert, M.O., Dubois, B., Hampel, H., & INSIGHT-preAD Study Group. (2020). *Cortical microstructural changes and amyloid beta burden in cognitively normal subjective memory complainers: Neuroimaging/Optimal neuroimaging measures for early detection*. Alzheimer's Association International Conference AAIC 2020, July 2020, virtual, in Alzheimer's & Dementia, 16, e046014.
20. Chance, S. A., **Torso, M.**, Chiesa, P. A., Lemercier, P., Vergallo, A., Lista, S., Potier, M.C., Dubois, B., Hampel, H., & INSIGHT-preAD Study group. (2020). *Sex differences in cortical microstructural changes in asymptomatic individuals at risk for Alzheimer's disease*. Alzheimer's Association International Conference AAIC 2020, July 2020, virtual, in Alzheimer's & Dementia, 16, e046105.
21. **Torso, M.**, Bozzali, M., Jenkinson, M., & Chance, S. A. (2019). *A novel diffusion tensor imaging method to classify frontotemporal dementia subtypes with machine learning*. Alzheimer's Association International Conference AAIC 2019, July 2019, Los Angeles, in Alzheimer's & Dementia, 15, P119-P119.

22. Chance, S. A., Torso, M., & Jenkinson, M. (2019). *Differentiating tauopathies with a novel diffusion tensor imaging method to investigate cortical architecture*. Alzheimer's Association International Conference AAIC 2020, July 2019, Los Angeles, in Alzheimer's & Dementia, 15, P46-P46.
23. Chance, S. A., Torso, M., & Jenkinson, M. (2018). *Cortical disarray measurement using diffusion mri correlates with braak staging and improves amyloid pet prediction of ad progression*. Alzheimer's Association International Conference AAIC 2018, July 2018, Chicago, in Alzheimer's & Dementia, 14(7S_Part_23), P1245-P1246.
24. Torso, M., Ahmed, S., Butler, C. R., Jenkinson, M., & Chance, S. A. (2018). *Diffusion tensor imaging investigation of cortical disarray measurement in posterior cortical atrophy and typical alzheimer's disease*. Alzheimer's Association International Conference AAIC 2018, July 2018, Chicago, in Alzheimer's & Dementia, 14(7S_Part_8), P452-P452.
25. Chance, S. A., Torso, M., Zamboni, G., Bozzali, M., & Jenkinson, M. (2017). *New diffusion imaging measurements of cellular organisation in the cortex identify Alzheimer's disease and progressive MCI*. Alzheimer's Association International Conference AAIC 2017, July 2017, London, in Alzheimer's & Dementia, 13(7S_Part_28), P1349-P1350.
26. Torso, M., Mastropasqua, C., Giulietti, G., Serra, L., Olivito, G., Tuzzi, E., Spanò, B., Caltagirone, C., Cercignani, M., & Bozzali, M. (2015, June). *The impact of white matter hyperintensities on brain functional connectivity in amnesic mild cognitive impairment patients*. In 23rd Annual Meeting and Exhibition of the International Society for Magnetic Resonance in Medicine (ISMRM 2015), Toronto. (https://www.ismrm.org/15/program_files/TueEPS04.htm)
27. Viola, V., Serra, L., Tuzzi, E., Mastropasqua, C., Spanò, B., Basile, B., Torso, M., Giulietti, G., Makovac, E., Marra, C., Cercignani, M., Caltagirone, C., Bozzali, M. *Structural and functional connectivity in Dementia with Lewy Bodies compared to Alzheimer Disease*. In 23rd Annual Meeting and Exhibition of the International Society for Magnetic Resonance in Medicine (ISMRM 2015), Toronto. (<https://archive.ismrm.org/2015/4308.html>).
28. Viola, V., Serra, L., Spanò, B., Torso, M., Castelli, D., Tuzzi, E., ... & Bozzali, M. (2014). *The role of microscopic damage in the inferior-frontal occipital fasciculus in determining cognitive dysfunctions in different forms of dementia*. IX Convegno Nazionale SINDem 2014, Firenze. In JOURNAL OF ALZHEIMERS DISEASE (Vol. 41, pp. S57-S58).
29. Serra, L., Cercignani, M., Tini, N., Torso, M., Makovac, E., Fadda, L., ... & Bozzali, M. (2014). *Accumulation of gray matter atrophy in frontal lobes accounts for conversion to Alzheimer's disease in patients with amnesic Mild Cognitive Impairment*. IX Convegno Nazionale SINDem 2014, Firenze. In JOURNAL OF ALZHEIMERS DISEASE (Vol. 41, pp. S50-S51).
30. Makovac, E., Spanò, B., Serra, L., Giulietti, G., Torso, M., Cercignani, M., ... & Bozzali, M. (2014). *Regional White Matter disruption within the Corpus Callosum in patients with Mild Cognitive Impairment Single and Multiple domain*. IX Convegno Nazionale SINDem 2014, Firenze. In JOURNAL OF ALZHEIMERS DISEASE (Vol. 41, pp. S52-S52).
31. Serra, L., Fadda, L., Desimone, M. S., Torso, M., Spanò, B., Perri, R., ... & Bozzali, M. (2014, January). *Grey matter changes in different brain areas account for retrograde memory deficits in patients with Mild Cognitive Impairment*. IX Convegno Nazionale SINDem 2014, Firenze. In JOURNAL OF ALZHEIMERS DISEASE (Vol. 41, pp. S51-S52).
32. Makovac, E., Spanò, B., Serra, L., Giulietti, G., Torso, M., Cercignani, M., ... & Bozzali, M. (2014). *Regional White Matter disruption within the Corpus Callosum in patients with Mild Cognitive Impairment Single and Multiple domain*. ISMRM-ESMRMB, Milano. (<https://archive.ismrm.org/2014/4741.html>)
33. Makovac, E., Serra, L., Spanò, B., Giulietti, G., Torso, M., Cercignani, M., ... & Bozzali, M. (2014). *Different patterns of White matter and Grey matter involvement account for Behavioural and Psychological symptoms in Alzheimers disease*. ISMRM-ESMRMB, Milano. (<https://archive.ismrm.org/2014/1930.html>)
34. Makovac, E., Serra, L., Spanò, B., Giulietti, G., Torso, M., Cercignani, M., ... & Bozzali, M. (2014). *White matter damage in MCI converters and non converters to AD: a longitudinal study using probabilistic tractography*. ISMRM-ESMRMB, Milano. (<https://archive.ismrm.org/2014/1935.html>).
35. Torso, M., Serra, L., Giulietti, G., Perri, R., Fadda, L., Span, B., ... & Bozzali, M. (2014). *White matter lesions account for apathy symptoms in amnesic mild cognitive impairment: a voxel based lesion symptom mapping study*. ISMRM-ESMRMB, Milano. (<https://archive.ismrm.org/2014/1948.html>)
36. Serra, L., Musicco, M., Cercignani, M., Torso, M., Spanò, B., Perri, R., ... & Bozzali, M. (2014). *Parietal white matter lesions increase the risk of conversion to AD in patients with amnesic MCI and higher levels cognitive reserve*. ISMRM-ESMRMB, Milano. (<https://archive.ismrm.org/2014/4729.html>).

37. Makovac, E., Serra, L., **Torso, M.**, Spanò, B., Petrucci, S., Ricciardi, L., ... & Bozzali, M. (2013). *Functional connectivity in the Default Mode Network relates to the severity of depression in autosomal recessive Parkinson's disease*. VIII Convegno Nazionale SINDem 2013, Perugia. *Functional Neurology*, 2, 1-63.
38. **Torso, M.**, Serra, L., Perri, R., Fadda, L., Spanò, B., Tini, N., Castelli, D., Marra, C., Caltagirone, C., Bozzali, M. (2013) *Frontal white matter lesions contribute more than grey matter changes in determining cognitive deficits*. 4th Meeting of the ESN, 28th Meeting of the GNP, Federation of the European Societies of Neuropsychology, Berlino.

CONSEGUIMENTO DI PREMI E RICONOSCIMENTI NAZIONALI E INTERNAZIONALI PER ATTIVITÀ DI RICERCA

- Pilot Project Award 2016, Oxford Alzheimer's Research UK (ARUK)

POSSESSO DEL DIPLOMA DI SPECIALIZZAZIONE EUROPEA RICONOSCIUTO DA BOARD INTERNAZIONALI (relativamente a quei settori concorsuali nei quali è prevista)

(indicare diploma, data di conseguimento, ecc.)

TITOLI DI CUI ALL'ARTICOLO 24 COMMA 3 LETTERA A) E B) DELLA LEGGE 30 DICEMBRE 2010, N. 240

(indicare se contratto di tipologia A o B, Ateneo, data di decorrenza e fine contratto, ecc.)

PRODUZIONE SCIENTIFICA

PUBBLICAZIONI SCIENTIFICHE

(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)

1. **Torso, M.**, Ridgway, G.R., Hardingham, I., Schwarz, A.J., Chance, S.A. for the Alzheimer's Disease Neuroimaging Initiative (2022). *In vivo detection of changes related to cortical columnar organization and neuroinflammation across the AD continuum*. The Journal of Prevention of Alzheimer's Disease, 9(4), 769-779. ISSN: 2274-5807. DOI: 10.14283/jpad.2022.59
2. **Torso, M.**, Ridgway, G.R., Jenkinson, M., & Chance, S. (2021). *Intracortical diffusion tensor imaging signature of microstructural changes in frontotemporal lobar degeneration*. Alzheimer's Research & Therapy, 13(1), 1-15. ISSN: 1758-9193. DOI: 10.1186/s13195-021-00914-4
3. **Torso, M.**, Bozzali, M., Zamboni, G., Jenkinson, M., Chance, S. A., & Alzheimer's Disease Neuroimage Initiative. (2020). *Detection of Alzheimer's Disease using cortical diffusion tensor imaging*. Human Brain Mapping, 42(4), 967-977. ISSN: 1065-9471. DOI: 10.1002/hbm.25271
4. **Torso, M.**, Ahmed, S., Butler, C., Zamboni, G., Jenkinson, M., & Chance, S. (2020). *Cortical diffusivity investigation in posterior cortical atrophy and typical Alzheimer's disease*. Journal of Neurology, 1-13. ISSN: 1432-1459. DOI: 10.1007/s00415-020-10109-w
5. **Torso, M.**, Bozzali, M., Cercignani, M., Jenkinson, M., & Chance, S. A. (2020). *Using diffusion tensor imaging to detect cortical changes in fronto-temporal dementia subtypes*. Scientific reports, 10(1), 1-11. ISSN: 2045-2322. DOI: 10.1038/s41598-020-68118-8
6. Dickstein, D. L., De Gasperi, R., Sosa, M. A. G., Perez-Garcia, G., Short, J. A., Sosa, H., Perez, G.M., Tschiffely, A.E., Dams-O'Connor, K., Pullman, M.Y., Knesaurek, K., Knutsen, A., Pham, D.L., Soleimani, L., Jordan, B.D., Gordon, W.A., Delman, B.N., Shumyatsky, G., Shahim, P.P., DeKosky, S.T., Stone, J.R., Peskind, E., Blennow, K., Zetterberg, H., Chance, S.A., **Torso, M.**,

- Kostakoglu, L., Sano, M., Hof, P.R., Ahlers, S.T., Gandy, S. & Elder, G. A. (2020). *Brain and blood biomarkers of tauopathy and neuronal injury in humans and rats with neurobehavioral syndromes following blast exposure*. *Molecular psychiatry*, 1-15. ISSN: 1476-5578. DOI: 10.1038/s41380-020-0674-z
7. McKavanagh, R., Torso, M., Jenkinson, M., Kolasinski, J., Stagg, C. J., Esiri, M.M., McNab, J.A., Johansen-Berg, H., Miller, K.L., & Chance, S. A. (2019). *Relating diffusion tensor imaging measurements to microstructural quantities in the cerebral cortex in multiple sclerosis*. *Human brain mapping*, 40(15), 4417-4431. ISSN: 1097-0193. DOI: 10.1002/hbm.24711
8. Giulietti, G., Torso, M., Serra, L., Spanò, B., Marra, C., Caltagirone, C., Cercignani, M., Bozzali, M. & Alzheimer's Disease Neuroimaging Initiative (ADNI). (2018). *Whole brain white matter histogram analysis of diffusion tensor imaging data detects microstructural damage in mild cognitive impairment and Alzheimer's disease patients*. *Journal of Magnetic Resonance Imaging*, 48(3), 767-779. ISSN: 1522-2586. DOI: 10.1002/jmri.25947
9. Adorjan, I., Ahmed, B., Feher, V., Torso, M., Krug, K., Esiri, M., Chance, S.A. & Szele, F. G. (2017). *Calretinin interneuron density in the caudate nucleus is lower in autism spectrum disorder*. *Brain*, 140(7), 2028-2040. ISSN: 1460-2156. DOI: 10.1093/brain/awx131
10. Makovac, E., Cercignani, M., Serra, L., Torso, M., Spanò, B., Petrucci, S., Ricciardi, L., Ginevrino, M., Caltagirone, C., Bentivoglio, A.R., Valente, E.M. & Bozzali, M. (2016). *Brain connectivity changes in autosomal recessive parkinson disease: a model for the sporadic form*. *PloS one*, 11(10), e0163980. ISSN: 1932-6203. DOI: 10.1371/journal.pone.0163980
11. Serra, L., Mancini, M., Silvestri, G., Petrucci, A., Masciullo, M., Spanò, B., Torso, M., Mastropasqua, C., Giacanelli, M., Caltagirone, C., Cercignani, M., Meola, G., & Bozzali, M. (2016). *Brain connectomics' modification to clarify motor and non motor features of myotonic dystrophy type 1*. *Neural plasticity*, 2016. ISSN: 1687-5443. DOI: 10.1155/2016/2696085
12. Makovac, E., Serra, L., Spanò, B., Giulietti, G., Torso, M., Cercignani, M., Caltagirone, C. & Bozzali, M. (2016). *Different patterns of correlation between grey and white matter integrity account for behavioral and psychological symptoms in Alzheimer's disease*. *Journal of Alzheimer's Disease*, 50(2), 591-604. ISSN: 1387-2877. DOI: 10.3233/JAD-150612
13. Serra, L., Cercignani, M., Mastropasqua, C., Torso, M., Spanò, B., Makovac, E., Viola, V., Giulietti, G., Marra, C., Caltagirone, C. & Bozzali, M. (2016). *Longitudinal changes in functional brain connectivity predict conversion to Alzheimer's disease*. *Journal of Alzheimer's Disease*, 51(2), 377-389. ISSN: 1387-2877. DOI: 10.3233/JAD-150961
14. Torso, M., Serra, L., Giulietti, G., Spanò, B., Tuzzi, E., Koch, G., Caltagirone, C., Cercignani, M. & Bozzali, M. (2015). *Strategic lesions in the anterior thalamic radiation and apathy in early Alzheimer's disease*. *PLoS One*, 10(5), e0124998. ISSN: 1932-6203. DOI: 10.1371/journal.pone.0124998
15. Serra, L., Musicco, M., Cercignani, M., Torso, M., Spanò, B., Mastropasqua, C., Giulietti, G., Marra, C., Bruno, G., Koch, G., Caltagirone, C. & Bozzali, M. (2015). *Cognitive reserve and the risk for Alzheimer's disease: a longitudinal study*. *Neurobiology of aging*, 36(2), 592-600. ISSN: 1558-1497. DOI: 10.1016/j.neurobiolaging.2014.10.010
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Data

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