

## Curriculum Vitae

# Alessandra Dodich

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### Education

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Jan 2012 - 29 April 2015	<i>PhD Neuroscience, International Graduate School in Molecular Medicine Vita-Salute San Raffaele University, Milan, Italy.</i>
Sept 2008 – Feb 2011	<i>Cognitive Neuroscience Degree (M. Sc.), Vita-Salute San Raffaele University, Milan, Italy</i>
Sept 2005 – July 2008	<i>Psychological, Cognitive and Psychobiological Science Degree (B.Sc.) Faculty of Psychology, Padova (PD), Italy.</i>

### Research activity

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01 Oct 2020 – current	<i>Senior Researcher RTDB, CIMeC, University of Trento, Italy</i>
01 Jan 2020 – 30 Sept 2020	<i>Junior Researcher RTDA, CIMeC, University of Trento, Italy</i>
01 July 2018 – 31 Dec 2019	<i>Research Fellow, NIMTlab, Neuroimaging and Innovative Molecular Tracers Laboratory, University of Geneva, Geneva, Switzerland</i>
01 May 2016 – 30 June 2018	<i>Research Fellow, Department of Clinical Neurosciences, San Raffaele Hospital, Milan, Italy.</i>
01 Jan 2015 - 31 Dec 2015	<i>Research Fellow, Cognitive Neuroscience Unit, Division of Neuroscience, Vita-Salute San Raffaele University, Milan, Italy.</i>

### Honours and qualification

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- Member of the Sindem4Junior Scientific Committee since June 2019
- Italian national academic qualification as associate professor (“Abilitazione Scientifica Nazionale alle funzioni di Professore Universitario di Seconda Fascia, nel settore concorsuale 11/E1 PSICOLOGIA GENERALE, PSICOBIOLOGIA E PSICOMETRIA”). Validity 11/04/2018 – 11/04/2024.

### Publications

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Google Scholar page (H-index: 18, Citations: 938, last update 05/06/2021):

[https://scholar.google.it/citations?hl=it&user=vKQwt4QAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.it/citations?hl=it&user=vKQwt4QAAAAJ&view_op=list_works&sortby=pubdate)

1. Altomare, D., Caprioglio, C., Assal, F., Allali, G., Mendes, A., Ribaldi, F., Ceyzeriat, K., Martins, M., Tomczyk, S., Stampacchia, S., Dodich, A., Boccardi, M., Chicherio, C., Frisoni, G. B., & Garibotto, V. (2021). Diagnostic value of amyloid-PET and tau-PET: a head-to-head comparison. *European Journal of Nuclear Medicine and Molecular Imaging*, 48(7), 2200–2211. <https://doi.org/10.1007/S00259-021-05246-X>
2. Bischof, G. N., Dodich, A., Boccardi, M., van Eimeren, T., Festari, C., Barthel, H., Hansson, O., Nordberg, A., Ossenkopp, R., Sabri, O., Giovanni, B. F. G., Garibotto, V., & Drzezga, A. (2021). Clinical validity of second-generation tau PET tracers as biomarkers for Alzheimer’s disease in the context of a structured 5-phase development framework. *European Journal of Nuclear Medicine and Molecular Imaging*, 48(7), 2110–2120. <https://doi.org/10.1007/S00259-020-05156-4>

3. Boccardi, M., Dodich, A., Albanese, E., Gayet-Ageron, A., Festari, C., Ashton, N. J., Bischof, G. N., Chiotis, K., Leuzy, A., Wolters, E. E., Walter, M. A., Rabinovici, G. D., Carrillo, M., Drzezga, A., Hansson, O., Nordberg, A., Ossenkoppelle, R., Villemagne, V. L., Winblad, B., ... Garibotto, V. (2021). The strategic biomarker roadmap for the validation of Alzheimer's diagnostic biomarkers: methodological update. *European Journal of Nuclear Medicine and Molecular Imaging*, *48*(7), 2070–2085. <https://doi.org/10.1007/S00259-020-05120-2>
4. Boccardi, M., Dodich, A., Albanese, E., Gayet-Ageron, A., Festari, C., Ashton, N. J., Bischof, G. N., Chiotis, K., Leuzy, A., Wolters, E. E., Walter, M., Rabinovici, G. D., Carrillo, M., Drzezga, A., Hansson, O., Nordberg, A., Ossenkoppelle, R., Villemagne, V. L., Winblad, B., ... Garibotto, V. (2021). Correction to: The Strategic Biomarker Roadmap for the validation of Alzheimer's diagnostic biomarkers: methodological update (European Journal of Nuclear Medicine and Molecular Imaging, (2021), 48, 7, (2070-2085), 10.1007/s00259-020-05120-2). *European Journal of Nuclear Medicine and Molecular Imaging*. <https://doi.org/10.1007/S00259-021-05549-Z>
5. Boccardi, M., Monsch, A. U., Ferrari, C., Altomare, D., Berres, M., Bos, I., Buchmann, A., Cerami, C., Didic, M., Festari, C., Nicolosi, V., Sacco, L., Aerts, L., Albanese, E., Annoni, J.-M. M., Ballhausen, N., Chicherio, C., Démonet, J.-F. F., Descloux, V., ... Consortium for the Harmonization of Neuropsychological Assessment for Neurocognitive Disorders (<https://nextcloud.dzne.de/index.php/s/EwXjLab9caQTbQe>). (2021). Harmonizing neuropsychological assessment formild neurocognitive disorders in Europe. *Alzheimer's and Dementia*, *1–4*. <https://doi.org/10.1002/ALZ.12365>
6. Brioschi Guevara, A., Bieler, M., Altomare, D., Berthier, M., Csajka, C., Dautricourt, S., Démonet, J. F., Dodich, A., Frisoni, G. B., Miniussi, C., Molinuevo, J. L., Ribaldi, F., Scheltens, P., & Chételat, G. (2021). Protocols for cognitive enhancement. A user manual for Brain Health Services—part 5 of 6. *Alzheimer's Research and Therapy*, *13*(1). <https://doi.org/10.1186/S13195-021-00844-1>
7. Cerami, C., Canevelli, M., Santi, G. C., Galandra, C., Dodich, A., Cappa, S. F., Vecchi, T., & Crespi, C. (2021). Identifying Frail Populations for Disease Risk Prediction and Intervention Planning in the Covid-19 Era: A Focus on Social Isolation and Vulnerability. *Frontiers in Psychiatry*, *12*, 626682. <https://doi.org/10.3389/FPSYT.2021.626682>
8. Cerami, C., Galandra, C., Santi, G. C., Dodich, A., Cappa, S. F., Vecchi, T., & Crespi, C. (2021). Risk-Aversion for Negative Health Outcomes May Promote Individual Compliance to Containment Measures in Covid-19 Pandemic Chiara. *Frontiers in Psychology*, *12*, 666454. <https://doi.org/10.3389/FPSYG.2021.666454>
9. Chiotis, K., Dodich, A., Boccardi, M., Festari, C., Drzezga, A., Hansson, O., Ossenkoppelle, R., Frisoni, G., Garibotto, V., & Nordberg, A. (2021). Clinical validity of increased cortical binding of tau ligands of the THK family and PBB3 on PET as biomarkers for Alzheimer's disease in the context of a structured 5-phase development framework. *European Journal of Nuclear Medicine and Molecular Imaging*, *48*(7), 2086–2096. <https://doi.org/10.1007/S00259-021-05277-4>
10. Dodich, A., Crespi, C., Santi, G. C., Cappa, S. F., & Cerami, C. (2021). Evaluation of Discriminative Detection Abilities of Social Cognition Measures for the Diagnosis of the Behavioral Variant of Frontotemporal Dementia: a Systematic Review. *Neuropsychology Review*, *31*(2), 251–266. <https://doi.org/10.1007/S11065-020-09457-1>
11. Dodich, A., Crespi, C., Santi, G. C., Luzzi, S., Ranaldi, V., Iannaccone, S., Marcone, A., Zamboni, M., Cappa, S. F., & Cerami, C. (2021). Diagnostic Accuracy of Affective Social Tasks in the Clinical Classification between the Behavioral Variant of Frontotemporal Dementia and Other Neurodegenerative Disease. *Journal of Alzheimer's Disease*, *80*(4), 1401–1411. <https://doi.org/10.3233/JAD-201210>
12. Dodich, A., Crespi, C., Santi, G. C., Marcone, A., Iannaccone, S., Perani, D., Cappa, S. F., & Cerami, C. (2021). Emotion Recognition Deficits in the Differential Diagnosis of Amnesic Mild Cognitive Impairment: A Cognitive Marker for the Limbic-Predominant Phenotype Alessandra. *Journal of the International Neuropsychological Society*, *1–7*. <https://doi.org/10.1017/S1355617721000254>

13. Dodich, A., Papagno, C., Turella, L., Meli, C., Zappini, F., Narduzzi, P., Gober, A., Pierotti, E., & Falla, M. (2021). The Role of Social Cognition Abilities in Parkinson's Disease in the Era of COVID-19 Emergency. *Frontiers in Psychology, 12*, 571991. <https://doi.org/10.3389/FPSYG.2021.571991>
14. Falla, M., Dodich, A., Papagno, C., Gober, A., Narduzzi, P., Pierotti, E., Falk, M., Zappini, F., Colosimo, C., & Turella, L. (2021). Lockdown effects on Parkinson's disease during COVID-19 pandemic: a pilot study. *Acta Neurologica Belgica, 121*(5), 1191–1198. <https://doi.org/10.1007/S13760-021-01732-Z>
15. Brandt, N., Dodich, A., Perani, D., Ratib, O., Trombella, S., Frisoni, G. B., & Garibotto, V. (2020). Basal forebrain metabolism in Alzheimer's disease continuum: relationship with education. *Neurobiology of Aging, 87*, 70–77. <https://doi.org/10.1016/J.NEUROBIOLAGING.2019.11.013>
16. Cerami, C., Dodich, A., Iannaccone, S., Magnani, G., Marcone, A., Guglielmo, P., Vanoli, G., Cappa, S. F., & Perani, D. (2020). Individual Brain Metabolic Signatures in Corticobasal Syndrome. *Journal of Alzheimer's Disease, 76*(2), 517–528. <https://doi.org/10.3233/JAD-200153>
17. Cerami, C., Santi, G. C., Galandra, C., Dodich, A., Cappa, S. F., Vecchi, T., & Crespi, C. (2020). Covid-19 Outbreak In Italy: Are We Ready for the Psychosocial and the Economic Crisis? Baseline Findings From the PsyCovid Study. *Frontiers in Psychiatry, 11*, 556. <https://doi.org/10.3389/FPSYT.2020.00556>
18. Crespi, C., Dodich, A., Iannaccone, S., Marcone, A., Falini, A., Cappa, S. F., & Cerami, C. (2020). Diffusion tensor imaging evidence of corticospinal pathway involvement in frontotemporal lobar degeneration. *Cortex, 125*, 1–11. <https://doi.org/10.1016/J.CORTEX.2019.11.022>
19. Crespi, C., Santi, G. C., Dodich, A., Lupo, F., Greco, L. C., Piccoli, T., Lunetta, C., & Cerami, C. (2020). Unraveling Moral Reasoning in Amyotrophic Lateral Sclerosis: How Emotional Detachment Modifies Moral Judgment. *Frontiers in Psychology, 11*, 2083. <https://doi.org/10.3389/FPSYG.2020.02083>
20. Dodich, A., Mendes, A., Assal, F., Chicherio, C., Rakotomiamanana, B., Andryszak, P., Festari, C., Ribaldi, F., Scheffler, M., Schibli, R., Schwarz, A. J., Zekry, D., Lövblad, K. O., Boccardi, M., Unschuld, P. G., Gold, G., Frisoni, G. B., & Garibotto, V. (2020). The A/T/N model applied through imaging biomarkers in a memory clinic. *European Journal of Nuclear Medicine and Molecular Imaging, 47*(2), 247–255. <https://doi.org/10.1007/S00259-019-04536-9>
21. Galandra, C., Cerami, C., Santi, G. C., Dodich, A., Cappa, S. F., Vecchi, T., & Crespi, C. (2020). Job loss and health threatening events modulate risk-taking behaviours in the Covid-19 emergency. *Scientific Reports, 10*(1). <https://doi.org/10.1038/S41598-020-78992-X>
22. Ramusino, M. C., Garibotto, V., Bacchin, R., Altomare, D., Dodich, A., Assal, F., Mendes, A., Costa, A., Tinazzi, M., Morbelli, S. D., Bauckneht, M., Picco, A., Dottorini, M. E., Tranfaglia, C., Farotti, L., Salvadori, N., Moretti, D., Savelli, G., Tarallo, A., ... Frisoni, G. B. (2020). Incremental value of amyloid-PET versus CSF in the diagnosis of Alzheimer's disease. *European Journal of Nuclear Medicine and Molecular Imaging, 47*(2), 270–280. <https://doi.org/10.1007/S00259-019-04466-6>
23. Rolandi, E., Dodich, A., Galluzzi, S., Ferrari, C., Mandelli, S., Ribaldi, F., Munaretto, G., Ambrosi, C., Gasparotti, R., Violi, D., Canessa, N., Iannaccone, S., Marcone, A., Falini, A., Hampel, H., Frisoni, G. B., Cerami, C., & Cavedo, E. (2020). Randomized controlled trial on the efficacy of a multilevel non-pharmacologic intervention in older adults with subjective memory decline: design and baseline findings of the E.Mu.N.I. study. *Aging Clinical and Experimental Research, 32*(5), 817–826. <https://doi.org/10.1007/S40520-019-01403-3>
24. Cerami, C., Dodich, A., Iannaccone, S., Magnani, G., Santangelo, R., Presotto, L., Marcone, A., Gianolli, L., Cappa, S. F., & Perani, D. (2019). A biomarker study in long-lasting amnesic mild cognitive impairment. *Alzheimer's Research and Therapy, 10*(1). <https://doi.org/10.1186/S13195-018-0369-8>
25. Dodich, A., Cerami, C., Inguscio, E., Iannaccone, S., Magnani, G., Marcone, A., Guglielmo, P., Vanoli, G., Cappa, S. F., & Perani, D. (2019). The clinico-metabolic correlates of language impairment in corticobasal syndrome and progressive supranuclear palsy. *NeuroImage: Clinical, 24*. <https://doi.org/10.1016/J.NICL.2019.102009>
26. Dodich, A., Zollo, M., Crespi, C., Cappa, S. F., Laureiro Martinez, D., Falini, A., & Canessa, N. (2019). Short-term Sahaja Yoga meditation training modulates brain structure and spontaneous activity in the executive control network. *Brain and Behavior, 9*(1). <https://doi.org/10.1002/BRB3.1159>

27. Galbiati, A., Carli, G., Dodich, A., Marelli, S., Caterina, P., Cerami, C., Zucconi, M., & Ferini-Strambi, L. (2019). Qualitative scoring of the pentagon test: A tool for the identification of subtle cognitive deficits in isolated rem sleep behavior disorder patients. *Archives of Clinical Neuropsychology*, *34*(7), 1113–1120. <https://doi.org/10.1093/ARCLIN/ACZ024>
28. Realmuto, S., Dodich, A., Meli, R., Canessa, N., Ragonese, P., Salemi, G., & Cerami, C. (2019). Moral Cognition and Multiple Sclerosis: A Neuropsychological Study. *Archives of Clinical Neuropsychology*, *34*(3), 319–326. <https://doi.org/10.1093/ARCLIN/ACY047>
29. Crespi, C., Dodich, A., Cappa, S. F., Canessa, N., Iannaccone, S., Corbo, M., Lunetta, C., Falini, A., & Cerami, C. (2018). Multimodal MRI quantification of the common neurostructural bases within the FTD-ALS continuum. *Neurobiology of Aging*, *62*, 95–104. <https://doi.org/10.1016/J.NEUROBIOLAGING.2017.09.019>
30. Crespi, C., Laureiro-Martínez, D., Dodich, A., Cappa, S. F., Brusoni, S., Zollo, M., Falini, A., & Canessa, N. (2018). Improving innovative decision-making: Training-induced changes in fronto-parietal networks. *Brain and Cognition*, *128*, 46–55. <https://doi.org/10.1016/J.BANDC.2018.11.004>
31. Dodich, A., Carli, G., Cerami, C., Iannaccone, S., Magnani, G., & Perani, D. (2018). Social and cognitive control skills in long-life occupation activities modulate the brain reserve in the behavioural variant of frontotemporal dementia. *Cortex*, *99*, 311–318. <https://doi.org/10.1016/J.CORTEX.2017.12.006>
32. Dodich, A., Cerami, C., Cappa, S. F., Marcone, A., Golzi, V., Zamboni, M., Giusti, M. C., & Iannaccone, S. (2018). Combined socio-behavioral evaluation improves the differential diagnosis between the behavioral variant of frontotemporal dementia and Alzheimer's disease: In search of neuropsychological markers. *Journal of Alzheimer's Disease*, *61*(2), 761–772. <https://doi.org/10.3233/JAD-170650>
33. Canessa, N., Crespi, C., Baud-Bovy, G., Dodich, A., Falini, A., Antonellis, G., & Cappa, S. F. (2017). Neural markers of loss aversion in resting-state brain activity. *NeuroImage*, *146*, 257–265. <https://doi.org/10.1016/J.NEUROIMAGE.2016.11.050>
34. Cerami, C., Dodich, A., Greco, L., Iannaccone, S., Magnani, G., Marcone, A., Pelagallo, E., Santangelo, R., Cappa, S. F., & Perani, D. (2017). The role of single-subject brain metabolic patterns in the early differential diagnosis of primary progressive aphasia and in prediction of progression to dementia. *Journal of Alzheimer's Disease*, *55*(1), 183–197. <https://doi.org/10.3233/JAD-160682>
35. Layden, E. A., Cacioppo, J. T., Cacioppo, S., Cappa, S. F., Dodich, A., Falini, A., & Canessa, N. (2017). Perceived social isolation is associated with altered functional connectivity in neural networks associated with tonic alertness and executive control. *NeuroImage*, *145*, 58–73. <https://doi.org/10.1016/J.NEUROIMAGE.2016.09.050>
36. Cerami, C., Dodich, A., Lettieri, G., Iannaccone, S., Magnani, G., Marcone, A., Gianolli, L., Cappa, S. F., & Perani, D. (2016). Different FDG-PET metabolic patterns at single-subject level in the behavioral variant of fronto-temporal dementia. *Cortex*, *83*, 101–112. <https://doi.org/10.1016/J.CORTEX.2016.07.008>
37. Crespi, C., Cerami, C., Dodich, A., Canessa, N., Iannaccone, S., Corbo, M., Lunetta, C., Falini, A., & Cappa, S. F. (2016). Microstructural correlates of emotional attribution impairment in non-demented patients with amyotrophic lateral sclerosis. *PLoS ONE*, *11*(8). <https://doi.org/10.1371/JOURNAL.PONE.0161034>
38. Dodich, A., Cerami, C., Crespi, C., Canessa, N., Lettieri, G., Iannaccone, S., Marcone, A., Cappa, S. F., & Cacioppo, J. T. (2016). Differential Impairment of Cognitive and Affective Mentalizing Abilities in Neurodegenerative Dementias: Evidence from Behavioral Variant of Frontotemporal Dementia, Alzheimer's Disease, and Mild Cognitive Impairment. *Journal of Alzheimer's Disease*, *50*(4), 1011–1022. <https://doi.org/10.3233/JAD-150605>
39. Dodich, A., Cerami, C., Iannaccone, S., Marcone, A., Alongi, P., Crespi, C., Canessa, N., Andreatta, F., Falini, A., Cappa, S. F., & Perani, D. (2016). Neuropsychological and FDG-PET profiles in VGKC autoimmune limbic encephalitis. *Brain and Cognition*, *108*, 81–87. <https://doi.org/10.1016/J.BANDC.2016.07.010>

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41. Cerami, C., Crespi, C., Della Rosa, P. A., Dodich, A., Marcone, A., Magnani, G., Coppi, E., Falini, A., Cappa, S. F., & Perani, D. (2015). Brain changes within the visuo-spatial attentional network in posterior cortical atrophy. *Journal of Alzheimer's Disease*, *43*(2), 385–395. <https://doi.org/10.3233/JAD-141275>
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43. Dodich, A., Cerami, C., Canessa, N., Crespi, C., Iannaccone, S., Marcone, A., Realmuto, S., Lettieri, G., Perani, D., & Cappa, S. F. (2015). A novel task assessing intention and emotion attribution: Italian standardization and normative data of the Story-based Empathy Task. *Neurological Sciences*, *36*(10), 1907–1912. <https://doi.org/10.1007/S10072-015-2281-3>
44. Realmuto, S., Zummo, L., Cerami, C., Agrò, L., Dodich, A., Canessa, N., Zizzo, A., Fierro, B., & Daniele, O. (2015). Social cognition dysfunctions in patients with epilepsy: Evidence from patients with temporal lobe and idiopathic generalized epilepsies. *Epilepsy and Behavior*, *47*, 98–103. <https://doi.org/10.1016/J.YEBEH.2015.04.048>
45. Cerami, C., Dodich, A., Canessa, N., Crespi, C., Iannaccone, S., Corbo, M., Lunetta, C., Consonni, M., Scola, E., Falini, A., & Cappa, S. F. (2014). Emotional empathy in amyotrophic lateral sclerosis: A behavioural and voxel-based morphometry study. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, *15*(1–2), 21–29. <https://doi.org/10.3109/21678421.2013.785568>
46. Cerami, C., Dodich, A., Canessa, N., Crespi, C., Marcone, A., Cortese, F., Chierchia, G., Scola, E., Falini, A., & Cappa, S. F. (2014). Neural correlates of empathic impairment in the behavioral variant of frontotemporal dementia. *Alzheimer's and Dementia*, *10*(6), 827–834. <https://doi.org/10.1016/J.JALZ.2014.01.005>
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