

## CURRICULUM VITAE ET STUDIORUM

### PERSONAL INFORMATION

Name: Stefano  
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### BIOSKETCH

Scientific interests are centered on the integration of multimodal Magnetic Resonance Imaging techniques to investigate physio-pathological processes underlying clinical symptoms and disease progression in dementia and Parkinson's disease. Research activity is also focused on pharmacological and non-pharmacological rehabilitation aiming to stabilize the cognitive decline in the prodromal stage of age-related neurodegenerative diseases. Furthermore, particular interest is also directed toward understanding the pharmacological mechanisms associated with the psychedelic experience and identifying processes related to sensory alterations and visual hallucinations in neurodegenerative diseases. Over the years, Stefano Delli Pizzi has been PI and co-PI for national and international projects. He is member of numerous editorial boards and reviewer for international scientific journals, including Biological Psychiatry, Cerebral Cortex, Human Brain Mapping, and Neurobiology of Aging. He teaches in courses at the School of Medicine, in doctoral programs, and in master's programs. He has been a member of the Joint Faculty-Student Commission and is a member of the International Relations Commission.

### SELECTED PUBLICATIONS

**Delli Pizzi S**, Chiacchiaretta P, Sestieri C, Ferretti A, Tullo MG, Della Penna S, Martinotti G, Onofrj M, Roseman L, Slater CBT, Nutt DJ, Carhart-Harris R, Sensi SL. LSD-induced changes in the functional connectivity of distinct thalamic nuclei. *Neuroimage*. 2023 Oct 17:120414. 10.1016/j.neuroimage.2023.120414. IF=5.7

**Delli Pizzi S**, Chiacchiaretta P, Sestieri C, Ferretti A, Onofrj M, Della Penna S, Roseman L, Timmermann C, Nutt DJ, Carhart-Harris RL, Sensi SL. Spatial Correspondence of LSD-Induced Variations on Brain Functioning at Rest With Serotonin Receptor Expression. *Biol Psychiatry Cogn Neurosci Neuroimaging*. 2023 Jul;8(7):768-776. 10.1016/j.bpsc.2023.03.009. IF=5.

**Delli Pizzi S**, Franciotti R, Chiacchiaretta P, Ferretti A, Edden RA, Sestieri C, Russo M, Sensi SL, Onofrj M. Altered Medial Prefrontal Connectivity in Parkinson's Disease Patients with Somatic Symptoms. *Mov Disord*. 2022 Nov;37(11):2226-2235. 10.1002/mds.29187. IF=8.6

**Delli Pizzi S**, Franciotti R, Ferretti A, Edden RAE, Zöllner HJ, Esposito R, Bubbico G, Aiello C, Calvanese F, Sensi SL, Tartaro A, Onofrj M, Bonanni L. High  $\gamma$ -Aminobutyric Acid Content Within the Medial Prefrontal Cortex Is a Functional Signature of Somatic Symptoms Disorder in Patients With

Parkinson's Disease. *Mov Disord.* 2020; 35(12):2184-2192.  
10.1002/mds.28221. IF=10.338

**Delli Pizzi S**, Punzi M, Sensi SL; Alzheimer's Disease Neuroimaging Initiative. Functional signature of conversion of patients with mild cognitive impairment. *Neurobiology of Aging.* 2019; 74:21-37.  
10.1016/j.neurobiolaging.2018.10.004. IF=4.347

**Delli Pizzi S**, Franciotti R, Bubbico G, Thomas A, Onofrj M, Bonanni L. Atrophy of hippocampal subfields and adjacent extrahippocampal structures in dementia with Lewy bodies and Alzheimer's disease. *Neurobiology of Aging.* 2016. 40:103-109. 10.1016/j.neurobiolaging.2016.01.010. IF=5.117

**Delli Pizzi S**, Franciotti R, Taylor JP, Thomas A, Tartaro A, Onofrj M, Bonanni L. Thalamic involvement in fluctuating cognition in dementia with Lewy bodies: Magnetic resonance evidences. *Cerebral Cortex.* 2015; 25(10):3682-3689.  
10.1093/cercor/bhu220. IF=8.285

**Delli Pizzi S**, Maruotti V, Taylor JP, Franciotti R, Caulo M, Tartaro A, Thomas A, Onofrj M, Bonanni L. Relevance of subcortical visual pathways disruption to visual symptoms in dementia with Lewy bodies. *Cortex.* 2014; 59:12-21.  
10.1016/j.cortex.2014.07. IF= 5.128

## TEACHING

Ud'A, School of Medicine, Occupational Therapy. Advanced bases of occupational therapy in cognitive neurorehabilitation (2019-2021); Advanced bases of occupational therapy in neurology (2022-2023); Advanced bases of occupational therapy in psychiatry (2020-2021); Aid to independence (2023-2024); Therapeutic aids in developmental age (2020-2021); Third-year Seminars in Neurodegeneration (2020-2021); Therapeutic aids in developmental age (2023-2024).

Ud'A, School of Medicine, Physiotherapy. Adapted physical activity (2023-2024); Kinesiology (2023-2024); Re-educational kinesiology (2022-2024); Physiokinesitherapy (2022-2024); Physiokinesiterapy II (2023-2024); Instrumental physiokinesytherapy (2023-2024); Neurological physiokinesytherapy (2023-2024); Neuromotory physiotherapy (2022-2024); Nursing and postural techniques (2022-2024).

Ud'A, PhD Course in "Neuroscience and Imaging"

Ud'A, Master in "Neuroimaging: From Methods to Neuroscience Applications"

## EMPLOYMENT

2022-to date: Senior Assistant Professor, DNISC-Ud'A (Chieti, Italy)

2019-2022: Junior Assistant Professor, DNISC-Ud'A (Chieti, Italy)

2011-2019: Post-doctoral Research Fellow, DNISC-Ud'A (Chieti, Italy)

2007-2011: PhD student, DNISC-Ud'A (Chieti, Italy)

## RESEARCH GRANTS

PI: "CERAD - CERebellar functional connectivity changes in Alzheimer's Disease", "Search for Excellence" Ud'A

co-PI: "Cerebellum, a neglected AD target?" (Award ID: GEENA-Q-19-596282). Alzheimer's Association

## **MAIN INTERNATIONAL COLLABORATIONS**

Prof. Carhart-Harris CL, University of California San Francisco (UCSF), USA.  
Prof. Edden RAE, The Johns Hopkins University School of Medicine,  
Baltimore, USA

Prof. Mantini D, Katholieke Universiteit (KU) Leuven, Belgium.

Prof. Nutt DJ, Imperial College London, UK.

Prof. Taylor JP, Newcastle University, UK.

## **EDITORIAL MEMBER**

Scientific Reports, Medicine, Behavioral and Brain Functions, Frontiers in Systems Neuroscience, Frontiers in Neural Circuits, Frontiers in Human Neuroscience, Frontiers in Behavioral Neuroscience, Frontiers in Aging Neuroscience.

## **REFeree ACTIVITY**

Aging Clinical and Experimental Research, Biological Psychiatry, Brain and Behavior, Brain Imaging and Behavior, Cerebral Cortex, Frontiers in Aging Neuroscience, Frontiers in Human Neuroscience, Frontiers in Neural Circuits, Frontiers in Neurology, Frontiers in Neuroscience, Frontiers in Systems Neuroscience, Frontiers in Psychiatry, Human Brain Mapping, International Journal of Immunopathology and Pharmacology, International Journal of Neurodegenerative Disorders, Neuroradiology, Neurobiology of Aging, NeuroImage: Clinical, Parkinsonism and Related Disorders.

Research Foundation - Flanders (Fonds Onderzoek - Vlaanderen, FWO).

## **FELLOWSHIPS AND AWARDS**

2020: Articles of the Month. Accademia LIMPE-DISMOV. Delli Pizzi et al. Mov Disord. 2020 35(12):2184-2192. doi 10.1002/mds.28221.

<https://www.accademialimpedismov.it/articoli-2020>

2016: Best Flash Poster presentation 4th Winter seminar on dementia. Italian Society of Neurology - dementia (SINdem4JUNIORS), Bressanone, Italy. Study title: "Amygdala-vmPFC dysfunction as a marker of dementia in parkinsonism."

2010: Poster Prize. 44th Congress of the Italian Society of Medical Radiology (SIRM), Verona, Italy. Title of the study: "Evaluation with morphological MRI, angioRM, and H-MRS of the modifications induced by stem cell transplantation in an animal model of muscle ischemia."

## **PRESENTATION AT SCIENTIFIC CONGRESSES**

2023: 36th ECNP Congress, 7-10 October 2023, Barcelona, Spain. Title: Lysergic acid diethylamide-induced modification in the functional connectivity of distinct thalamic subfields.

2023: 36th ECNP Congress, 7-10 October 2023, Barcelona, Spain. Title: Modafinil-induced changes in the functional thalamic connectivity.

2021: World Congress of Neurology (WCN), Roma, Italia. Title: Hierarchical reorganization of the thalamic functional network in subjects with mild cognitive impairment.

2021: World Congress of Neurology (WCN), Roma, Italia. Title: Prefrontal activity imbalance and aberrant reconfiguration across functional networks in patients with Parkinson's disease and somatic symptom disorder.

2016: XI National Congress of Italian Society of Neurology - dementia section (SINdem), Firenze, Italy. Title: Amygdala-vmPFC dysfunction as a marker of dementia in parkinsonism.

Chieti, November 5, 2023