



Federico Tucci

ABOUT ME

Determined, hard-working and ambitious neuroscientist highly passionate in the interdisciplinary research around neurodegenerative disorders and neurophysiology.

WORK EXPERIENCE

Post-doc researcher

AOU San Giovanni di Dio e Ruggi d'Aragona [12/2022 – 12/2023]

City: Salerno

Country: Italy

Involvement in a National project aimed to investigate the hypothesis that statistically modeling (1) the endogenous and exogenous risk factors, (2) the presence of the amyloid and alpha-synuclein pathological aggregates in CSF, (3) the brain connectivity, and (4) the clinical and biological indices such as vigilance, general motility, the sleep-wake cycle, and genomic instability and DNA damage MAY correlate with (predict) the clinical condition of mild cognitive impairment (MCI) and dementia in patients with Alzheimer's disease (AD) and Parkinson's disease (PD). Cognitively intact healthy (Nold) participants serve to define abnormalities in the markers derived from hospital setting.

Psychologist

Studio Associato Noccioli & Pompili, Rome [12/2023 – Current]

City: Rome

Country: Italy

Tutoring activities on topics related to team building: operational management of the classroom and preparation of teaching materials and equipment provided for training activities. Working alongside the lecturer in teaching activities.

Erasmus+ PhD

Sapienza University of Rome [08/2022 – 10/2022]

City: Rome

Country: Italy

In the PhD framework, I have been involved in a project aimed to study the clinical heterogeneity in a group of Subjective Cognitive Complain patients enrolled by the Huddinge hospital and negative to the Alzheimer's disease biomarkers. The main tutors of this project were Vesna Jelic and Daniel Ferreira.

Psychologist

Associazione di Clinica Cognitiva, Rome [09/2021 – Current]

City: Rome

Country: Italy

Handling first telephone contact: data collection and information about the request for help. Psychotherapist accompaniment during first anamnestic interview. Clinical case discussion during team meeting for assignment. Patient in take and conducting psychological interviews.

Tutoring

Sapienza University of Rome [02/2022 – 05/2022]

City: Rome

Country: Italy

Didactic activity in a seminar series entitled "the two faces of the brain".

Traineeship

Policlinic Umberto I [09/2017 – 09/2018]

City: Rome

Country: Italy

Post lauream traineeship in the Memory clinic under the supervision of Dr Giuliana Ricotta. The activities regarded a neurological and neuropsychological examination of patients hospitalized in the Neurology department.

EDUCATION AND TRAINING

Psychotherapist

School of Specialization in Cognitive and Behavioral Psychology and Psychotherapy [01/2019 – 01/2024]

City: Rome

Country: Italy

Field(s) of study: Cognitive and Behavioural Psychology

Four-year specialization course recognized by M.I.U.R. with Ministerial Decree 31.12.93 - G.U.N. 19, 25-01-94. At APC- Association of Cognitive Psychology, Rome. Topics covered: Cognitive Neuroscience, Mindfulness, DBT, Schema Therapy.

PhD in CLINICAL/EXPERIMENTAL NEUROSCIENCE AND PSYCHIATRY

Sapienza University of Rome [11/2019 – 10/2022]

City: Rome

Country: Italy

Field(s) of study: Doctoral program in Neurophysiology

Final grade: Awarded cum laude

Thesis: Abnormal reactivity of resting-state eeg alpha rhythms during eyes open in patients with Alzheimer's and Lewy body diseases. Tutor Professor Claudio Babiloni

Doctoral program in Neurophysiology with the Physiology and Pharmacology "V. Erspamer" department under the supervision of Professor Claudio Babiloni. The doctoral research consists in measurement of abnormalities of vigilance by electroencephalographic technique in major neurodegenerative diseases due to pathophysiological alterations of activating ascendant systems.

MSc in Cognitive Neuroscience

Sapienza University of Rome [09/2015 – 07/2017]

City: Rome

Country: Italy

Field(s) of study: Neuroscience and Psychological Rehabilitation

Final grade: 110 cum laude

Thesis: Effect of postnatal social isolation on glutamatergic synapses and on adrenocorticoid receptors in the mice Hippocampus. Tutor Professor Sergio Scaccianoce

BSc in Psychology

Sapienza University of Rome [09/2012 – 09/2015]

City: Rome

Country: Italy

Field(s) of study: General Psychology

Thesis: Phylogenetic evolution of the mirror neurons. Three months project coordinated by Professor Maria Leggio

POST LAUREAM TRAINEESHIP

ASL Roma 1, SPDC Santo Spirito in Sassia, Rome

[08/2022 – 07/2023]

Tutor: Dott.ssa Elisabetta Celia

Observation of clinical interviews

Medica Group Presidio Sanitario, Rome

[05/2020 – 01/2022]

Tutor: Dott.ssa Cinzia Scalera

Observation and conduction of clinical interviews

CONFERENCES AND SEMINARS

MAINTENANCE AND CARE OF UNSAFE TIES

[Cagliari, 27/10/2023 – 28/10/2023]

Emporio dei Pensieri 2023

PSYCHOTHERAPIST COMPETENCIES. CONSTRUCTION, MAINTENANCE AND TREATMENT

[Bari, 21/09/2023 – 24/09/2023]

XXI **CONGRESSO** NAZIONALE SITCC

ABNORMAL ALPHA REACTIVITY IN PATIENTS WITH ALZHEIMER'S AND LEWY BODY DISEASE

[Scuola IMT Alti Studi di Lucca, 18/09/2023 – 20/09/2023]

XXIX Congresso AIP Sezione Sperimentale

RESTING STATE ELECTROENCEPHALOGRAPHIC RHYTHMS DETERIORATE IN PATIENTS WITH MILD COGNITIVE IMPAIRMENT DUE TO ALZHEIMER'S DISEASE AT 6 MONTHS FOLLOW UP

[ADPD2023 Goteborg, Sweden, 03/2023]

Oral Presentation

WHAT A SINGLE ELECTROENCEPHALOGRAPHIC (EEG) CHANNEL CAN TELL US ABOUT ALZHEIMER'S DISEASE PATIENTS WITH MILD COGNITIVE IMPAIRMENT

[AAIC2022, 07/2022]

Virtual Poster

CORTICAL SOURCES OF RESTING STATE DELTA EEG RHYTHMS ARE ABNORMAL IN PATIENTS WITH AMNESIC MILD COGNITIVE IMPAIRMENT DUE TO ALZHEIMER'S DISEASE WITH EPILEPTIFORM-LIKE SIGNATURES

[LIVEMEEG, 10/2020]

Virtual Poster

ONGOING ELECTROENCEPHALOGRAPHIC RHYTHMS RELATED TO EXPLORATORY MOVEMENTS IN TRANSGENIC TASTPM MICE

[AAIC2020, 07/2020]

Virtual Poster

HONOURS AND AWARDS

Effects of endogenous and exogenous risk factors in patients with Alzheimer's and Parkinson's diseases using clinical indexes and endophenotypes (biomarkers) as inputs to artificial intelligence (PREDICT- NEURODEGEN).

National Ministry of Health [05/2023]

Cortical source activities of resting state electroencephalographic (rseeg) rhythms in the patients with mild cognitive impairment and epileptiform activity: biomarkers of disease progression

Sapienza University of Rome [09/2022]

Type 2 research initiation project

PUBLICATIONS

Poor reactivity of posterior electroencephalographic alpha rhythms during the eyes open condition in patients with dementia due to Parkinson's disease.

[2023]

Neurobiol Aging. 2023 Nov 28;135:1-14. doi: 10.1016/j.neurobiolaging.2023.11.010.

Babiloni C, Noce G, **Tucci F**, Jakhar D, Ferri R, Panerai S, Catania V, Soricelli A, Salvatore M, Nobili F, Arnaldi D, Famà F, Buttinelli C, Giubilei F, Onofri M, Stocchi F, Vacca L, Radicati F, Fuhr P, Gschwandtner U, Ransmayr G, Parnetti L, Marizzoni M, D'Antonio F, Bruno G, De Lena C, Güntekin B, Yıldırım E, Hanoğlu L, Yener G, Hünerli D, Taylor JP, Schumacher J, McKeith I, Frisoni GB, Antonini A, Ferreri F, Bonanni L, De Pandis MF, Del Percio C.

Early and Stable Difficulties of Everyday Executive Functions Predict Autism Symptoms and Emotional/behavioral Problems in Preschool Age Children with Autism: a 2-Year Longitudinal

[2023]

Front. Psychol. Sec. Developmental Psychology 2023

Lupi E, **Tucci F**, Casula L, Lucia Novello R, Guerrera S, Vicari S and Valeri G.

What a Single Electroencephalographic (EEG) Channel Can Tell us About Alzheimer's Disease Patients With Mild Cognitive Impairment.

[2023]

Clin EEG Neurosci. 2023

Del Percio C, Lopez S, Noce G, Lizio R, **Tucci F**, Soricelli A, Ferri R, Nobili F, Arnaldi D, Famà F, Buttinelli C, Giubilei F, Marizzoni M, Güntekin B, Yener G, Stocchi F, Vacca L, Frisoni GB, Babiloni C.

What a single electroencephalographic (EEG) channel can tell us about patients with dementia due to Alzheimer's disease

[2022]

Int J Psychophysiol. 2022

Del Percio C, Noce G, Lopez S, **Tucci F**, Carlin G, Lizio R, Musat AM, Soricelli A, Salvatore M, Ferri R, Nobili F, Arnaldi D, Famà F, Buttinelli C, Giubilei F, Marizzoni M, Güntekin B, Yener G, Stocchi F, Vacca L, Frisoni GB, Babiloni C.

Alzheimer's disease with epileptiform-like signatures: abnormal cortical sources of resting state delta rhythms in patients with amnesic mild cognitive impairment.

[2022]

Journal of Alzheimer's disease (JAD). 2022

Babiloni B, Noce G, Di Bonaventura C, Lizio R, Pascarelli MT, Eldellaa A, **Tucci F**, Soricelli A, Ferri R, Nobili F, Famà F, Arnaldi D, Palma E, Cifelli P, Marizzoni M, Stocchi F, Bruno G, Frisoni GB, Del Percio C.

Reactivity of posterior cortical electroencephalographic alpha rhythms during eyes opening in healthy older adults and patients with dementia due to alzheimer's and lewy body diseases.

[2022]

Neurobiology of Aging. 2022

Babiloni C, Lorenzo I, Lizio R, Lopez S, Tucci F, Ferri R, Soricelli A, Nobili F, Arnaldi D, Famà F, Buttinelli C, Giubilei F, Cipollini V, Onofrj M, Stocchi F, Vacca L, Fuhr P, Gschwandtner U, Ransmayr G, Aarsland D, Parnetti L, Marizzoni M, D'Antonio F, De Lena C, Güüntekin B, Yıldırım E, Hanoğğlu L, Yener G, Güündüüz DH, Taylor JP, Schumacher J, McKeith I, Frisoni GB, Maria De Pandis F, Bonanni L, Del Percio C and Noce G.

Resting State Alpha Electroencephalographic Rhythms Are Affected by Sex in Cognitively Unimpaired Seniors and Patients with Alzheimer's Disease and Amnesic Mild Cognitive Impairment: A Retrospective and Exploratory Study.

[2022]

Cereb Cortex. 2022

Babiloni C, Noce G, Ferri R, Lizio R, Lopez S, Lorenzo I, **Tucci F**, Soricelli A, Zurrón M, Díaz F, Nobili F, Arnaldi D, Famà F, Buttinelli C, Giubilei F, Cipollini V, Marizzoni M, Güntekin B, Yıldırım E, Hanoğlu L, Yener G, Gündüz DH, Onorati P, Stocchi F, Vacca L, Maestú F, Frisoni GB, Del Percio C.

Microglia modulate hippocampal synaptic transmission and sleep duration along the light/dark cycle.

[2022]

Glia. 2022

Corsi G, Picard K, di Castro MA, Garofalo S, **Tucci F**, Chece G, Del Percio C, Golia MT, Raspa M, Scavizzi F, Decoeur F, Lauro C, Rigamonti M, Iannello F, Ragozzino DA, Russo E, Bernardini G, Nadjar A, Tremblay ME, Babiloni C, Maggi L, Limatola C

Measures of resting state EEG rhythms for clinical trials in Alzheimer's disease: Recommendations of an expert panel

[2021]

Alzheimer's & Dementia. 2021

Babiloni C, Arakaki X, Azami H, Bennys K, Blinowska K, Bonanni L, Bujan A, Carrillo MC, Cichocki A, de Frutos-Lucas J, Del Percio C, Dubois B, Edelmayer R, Egan G, Epelbaum S, Escudero J, Evans A, Farina F, Fargo K, Fernández A, Ferri R, Frisoni G, Hampel H, Harrington MG, Jelic V, Jeong J, Jiang Y, Kaminski M, Kavcic V, Kilborn K, Kumar S, Lam A, Lim L, Lizio R, Lopez D, Lopez S, Lucey B, Maestú F, McGeown WJ, McKeith I, Moretti DV, Nobili F, Noce G, Olichney J, Onofrj M, Osorio R, Parra-Rodriguez M, Rajji T, Ritter P, Soricelli A, Stocchi F, Tarnanas I, Taylor JP, Teipel S, **Tucci F**, Valdes-Sosa M, Valdes-Sosa P, Weiergräber M, Yener G, Guntekin B

Resting State Alpha Electroencephalographic Rhythms Are Differently Related to Aging in Cognitively Unimpaired Seniors and Patients with Alzheimer's Disease and Amnesic Mild Cognitive Impairment.

[2021]

J Alzheimers Dis. 2021.

Babiloni C, Ferri R, Noce G, Lizio R, Lopez S, Lorenzo I, **Tucci F**, Soricelli A, Nobili F, Arnaldi D, Famà F, Orzi F, Buttinelli C, Giubilei F, Cipollini V, Marizzoni M, Güntekin B, Aktürk T, Hanoğlu L, Yener G, Özbek Y, Stocchi F, Vacca L, Frisoni GB, Del Percio C.

EEG measures for clinical research in major vascular cognitive impairment: recommendations by an expert panel.

[2021]

Neurobiol Aging. 2021.

Babiloni C, Arakaki X, Bonanni L, Bujan A, Carrillo MC, Del Percio C, Edelmayer RM, Egan G, Elahh FM, Evans A, Ferri R, Frisoni GB, Güntekin B, Hainsworth A, Hampel H, Jelic V, Jeong J, Kim DK, Kramberger M, Kumar S, Lizio R, Nobili F, Noce G, Puce A, Ritter P, Smit DJA, Soricelli A, Teipel S, **Tucci F**, Sachdev P, Valdes-Sosa M, Valdes-Sosa P, Vergallo A, Yener G.

Abnormalities of Cortical Sources of Resting State Delta Electroencephalographic Rhythms Are Related to Epileptiform Activity in Patients with Amnesic Mild Cognitive Impairment Not Due to Alzheimer's Disease.

[2020]

Front Neurol. 2020

Babiloni C, Noce G, Di Bonaventura C, Lizio R, Pascarelli MT, **Tucci F**, Soricelli A, Ferri R, Nobili F, Famà F, Palma E, Cifelli P, Marizzoni M, Stocchi F, Frisoni GB, Del Percio C.

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access / Matlab/Simulink / Analyzing EEG Data with EEGLAB (Matlab) / eLORETA / IBM Statistical package for Sciences (SPSS) / GraphPad (Intermediate)

DRIVING LICENCE

Driving Licence: B