



## SCHEDA BIOGRAFICA

*Le informazioni contenute in questa scheda verranno pubblicate sul sito dell'Università Telematica UNINETTUNO*

Corso di Laurea: Magistrale – Processi cognitivi e tecnologie – Percorso Neuroscienze (Facoltà di Psicologia)

Insegnamento/i: Correlati neurobiologici dello stress

Nome: Diego

Cognome: Centonze

e-mail: diego.centonze@uninettunouniversity.net

Recapito telefonico da pubblicare sul sito (non obbligatorio):

Fax da pubblicare sul sito (non obbligatorio):

Recapito telefonico personale (non pubblicato sul sito):



Propria fotografia  
formato *.jpg*

dimensioni:  
57x62 – 72 dpi  
(INVIARE LA  
FOTOGRAFIA ANCHE  
IN UN ALLEGATO  
SEPARATO)

### Curriculum (in inglese)

#### Education

2012: PhD in Advanced Technology in Rehabilitation Medicine, University of Rome Tor Vergata

2006: Specialization in Psychiatry cum laude, University of Rome Tor Vergata

1999: Specialization in Neurology cum laude, University of Rome Tor Vergata

1994: Degree in Medicine cum laude, Sapienza University of Rome

#### Present academic position

2015-present: Full Professor of Neurology, Department of Systems Medicine, University of Rome Tor Vergata

#### Present scientific roles

2004-present: Head of the Synaptic Immunopathology Laboratory, University of Rome Tor Vergata

2004-present: Principal Investigator of many phase II, III and IV national and international clinical trials with new pharmacological agents for the treatment of neurological disorders.

#### Clinical activity

2016-present: Director of the Unit of Neurology, IRCCS Istituto Neurologico Mediterraneo Neuromed, Pozzilli (IS), Italy

#### Previous positions

2016-2018: Director of the Unit of Neurorehabilitation, IRCCS Istituto Neurologico Mediterraneo Neuromed, Pozzilli (IS), Italy

2001-2015: Associate Professor of Neurology (2012-15), Assistant Professor of Neurology (2001-12), University of Rome Tor Vergata

2002-15: Neurologist at the Neurology Clinic and Head of the UOSD Multiple Sclerosis Clinical and Research Center and of the Laboratory for noninvasive brain stimulation, Tor Vergata Hospital, Rome

2005-15: Head of the Neuroimmunology and Synaptic Plasticity Laboratory, IRCCS Fondazione Santa Lucia, Rome



1999-01: Post-doctoral fellow at the Neurophysiology Laboratory, IRCCS Fondazione Santa Lucia, Rome  
1998-99: Research Fellow at the Department of Neuroscience, Division of Pharmacology, University of Birmingham, UK

#### **Research Experiences:**

2010-present: Role of genetic polymorphisms in multiple sclerosis disease severity  
2008-present: Inflammatory molecules and synaptic transmission  
2008-present: Synaptic correlates of psychiatric disorders (anxiety, depression)  
2007-present: Synaptic plasticity and transmission explored by means of non-invasive brain stimulation approaches (TMS, tDCS)  
2004-present: Physiology of the endocannabinoid system and its involvement in inflammatory neurodegenerative diseases  
2003-present: Electrophysiological characterization of excitatory and inhibitory synaptic transmission in experimental models of Multiple Sclerosis (MS)  
1996-2004: Electrophysiological characterization of excitatory and inhibitory synaptic transmission in experimental models of Parkinson's disease (PD), Huntington's disease (HD), and brain ischemia  
1999-2003: Receptor and post-receptor events involved in the modulation of corticostriatal transmission and synaptic plasticity (long-term potentiation, long-term depression, synaptic depotentiation)  
1998-99: Electrophysiology of dopamine in subthalamic nucleus neurons  
1994-95: Physiological and pharmacological characterization of corticostriatal synaptic plasticity in vitro by utilising different experimental approaches: electrophysiological extracellular and intracellular recordings, morphological characterization of the recorded neurons

#### **GRANTED RESEARCH PROJECTS**

##### **Funded by the Italian Ministry of Health**

2019: RF Ordinary "Clinical relevance of miR-142-3p as potential biomarker of synaptopathy in Multiple Sclerosis".  
2015: RF Ordinary "Morphofunctional visual pathways evaluation in multiple sclerosis: possible identification of neurodegenerative bio-markers".  
2010: GR Ordinary "Exploring the endocannabinoid system to face inflammatory neurodegeneration in Multiple Sclerosis".  
2008: RF Ordinary "Development of new strategies against neuroinflammatory processes associated with neurodegenerative diseases: a focus on amyotrophic lateral sclerosis and huntington's disease designing novel therapeutic roads through neurotoxicity and neuroprotection".  
2007: RF Ordinary "Danno cellulare e recupero funzionale del sistema nervoso centrale: implicazioni per la neuroriabilitazione".  
2006: RF Ordinary "Meccanismi immunologici e sinaptici del danno neurodegenerativo in corso di Sclerosi Multipla e Sclerosi Multipla Sperimentale".  
2005: RF Ordinary "Meccanismi molecolari e cellulari delle malattie neurodegenerative del sistema motorio".  
2003: RF Ordinary "Malattie neurodegenerative e processi di riparazione neuronali".  
2002: RF Ordinary "Studio della funzione e disfunzione dell'huntingtina, proteina responsabile della malattia di Huntington".

##### **Funded by THE Italian Ministry of Education, Universities and Research**

2019: PRIN 2017 "Integrating metabolism and immunity: cellular and molecular pathways leading to metabolic dysregulation and autoimmunity".  
2013: PRIN 2010-11 "Ruolo emergente del sistema degli endocannabinoidi nelle malattie neuropsichiatriche".  
2007: PRIN 2006 "Possibile ruolo degli autoanticorpi associati alla sclerosi multipla nel blocco della trasmissione nervosa".

##### **Funded by THE European Committee**

2014: "The NGF system and its interplay with endocannabinoid signalling, from peripheral sensory terminals to the brain: new targets for the development of next generation drugs for neuropathic pain", SEVEN FRAMEWORK PROGRAMME (EC), Grant agreement No: 603191.  
2009: "Neuronal and glial fate of neurosphere forming cells from olfactory neuroepithelium NSFCs Transplantation".

##### **Funded by NON-PROFIT ENTITIES**

2019-2021 Italian Multiple Sclerosis Foundation (FISM) "The inflammatory synaptopathy as a target of exercise therapy in the fight against Multiple Sclerosis".  
2016: Italian Multiple Sclerosis Foundation (FISM) "Enhancing brain plasticity to contrast clinical progression in MS: a pilot study assessing the safety and efficacy of D-Aspartate".  
2012: Italian Multiple Sclerosis Foundation (FISM) "Symptomatic treatment through central and peripheral neurostimulation procedures for people with Multiple Sclerosis".  
2010: San Raffaele Hospital, Milan "Effects of Laquinimod on synaptic neurodegenerative damage in Experimental Multiple Sclerosis".  
2009: TERCAS Foundation "Ruolo del sistema endocannabinoide nella Sclerosi Multipla".

2008: Italian Multiple Sclerosis Foundation (FISM) "Biomarkers of inflammation and neurodegeneration in Multiple Sclerosis".

2007: European Brain Research Institute "Meccanismi molecolari e cellulari delle malattie neurodegenerative del sistema motorio".

2006: Italian Ministry of Defence "Studio dei meccanismi neurofisiologici dello stress e della fatica centrale".

#### **Funded by Pharmaceutical Industries**

Bayer-Schering; Biogen Idec; Celgene; Merck-Serono; Novartis Pharma; Sanofi-Genzyme; Sigma-Tau; TEVA; UCB, Roche.

#### **Memberships**

Member of the Society for Neuroscience (SfN), of the Italian Neurological Society (SIN), of the Italian Neuroscience Society (SINS), of the Medical Academy of Rome, of the Italian Neuroimmunology Association (AINI) Council, of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), and of the International Progressive Multiple Sclerosis Collaborative (IPMSC) Initiative.

#### **Consultancy**

Advisory Board Member of Pharmaceutical Industries for new treatments of Multiple Sclerosis (Almirall, Bayer Schering, Biogen, GW Pharmaceuticals, Merck-Serono, Novartis, Roche, Sanofi-Genzyme, Teva Pharmaceuticals, Roche, Celgene, Actelion).

Invited Referee for international journals of Neuroscience, Neurology and Psychiatry.

#### **Publications**

Author of about 380 peer-reviewed papers published in international journals of Neuroscience, Neurology and Psychiatry.

H-Index (Source Scopus): 68

Scopus Author ID: 57200217993

Orcid ID: 0000-0002-8390-8545

Ai sensi del D. L.gvo del 30 giugno 2003, n. 196 (Codice in materia di protezione dei dati personali), informato delle finalità del trattamento dei dati e della loro registrazione su supporti informatici, nonché dei soggetti responsabili dello stesso,

AUTORIZZO

con la trasmissione di questa scheda, UNINETTUNO Università Telematica nella figura del Rettore prof. Maria Amata Garito al trattamento dei dati personali contenuti in questo modulo per esclusive finalità didattiche e di ricerca al fine di consentire lo svolgimento dell'insegnamento e delle pratiche amministrative collegate.

