



SCHEDA PER LA RACCOLTA DEL CURRICULUM SCIENTIFICO

Corso di Laurea: Processi cognitivi e tecnologie

Insegnamento/i: Principi di neuroscienze cognitive & Processi cognitivi e tecnologie

Nome: Marco

Cognome: Ciavarro

e-mail: marco.ciavarro@uninettunouniversity.net



Curriculum scientifico (in italiano)

ESPERIENZA LAVORATIVA

02/11/2015 – ATTUALE Pozzilli (IS), Italia

NEUROPSICOLOGO UNITÀ OPERATIVA COMPLESSA DI NEUROCHIRURGIA, IRCCS NEUROMED
2023 – ATTUALE Roma, Italia

TUTOR UNIVERSITARIO/TUTOR UNIVERSITARIA UNIVERSITÀ TELEMATICA INTERNAZIONALE
UNINETTUNO

Corso di Laurea in Principi di Neuroscienze Cognitive

2022 – ATTUALE Roma, Italia

TUTOR UNIVERSITARIO/TUTOR UNIVERSITARIA UNIVERSITÀ TELEMATICA INTERNAZIONALE
UNINETTUNO

Corso di Laurea in Processi Cognitivi e Tecnologie

2018 – ATTUALE Pozzilli (IS), Italia

PROFESSORE A CONTRATTO UNIVERSITÀ LA SAPIENZA - IRCCS NEUROMED

Corso di Laurea in Fisioterapia (abilitante alla professione sanitaria di Fisioterapista)

Insegnamento: Scienze Socio-Psicopedagogiche

ISTRUZIONE E FORMAZIONE

01/01/2010 – 07/05/2013 Bologna, Italia

DOTTORATO DI RICERCA IN SCIENZE BIOMEDICHE: PROGETTO N°4 NEUROFISIOLOGIA Alma
Mater Studiorum Università di Bologna

Titolo tesi: " The role of medial parieto occipital cortex in visuospatial attention and reach
planning:
electrophysiological studies in human and non-human primate"

Supervisore: Prof. Claudio Galletti

31/07/2008 Chieti, Italia

LAUREA IN PSICOLOGIA COGNITIVA 110/110 CON LODE Università G. d'Annunzio di Chieti-Pescara

Titolo tesì: "Visuo-spatial attention mechanisms: a study of Transcranial Magnetic Stimulation".

Tutor: Gaspare Galati

PUBBLICAZIONI

Pubblicazioni – 2023

- Suppa A, Asci F, Costantini G, Bove F, Piano C, Pistoia F, Cerroni R, Brusa L, Cesarin V, Pietracupa S, Modugno N, Zampogna A, Sucapane P, Pierantozzi M, Tufo T, Pisani A, Peppe A, Stefani A, Calabresi P, Bentivoglio AR, Saggio G; Lazio DBS Study Group. Effects of deep brain stimulation of the subthalamic nucleus on patients with Parkinson's disease: a machine-learning voice analysis. *Front Neurol.* 2023 Oct 19;14:1267360. doi: 10.3389/fneur.2023.1267360. PMID: 37928137; PMCID: PMC10622670.
- Tufo T, Grande E, Bevacqua G, Di Muccio I, Cioni B, Meglio M, Ciavarro M. Long-term quality of life and functional outcomes in adults surgically treated for intramedullary spinal cord tumor. *Front Psychol.* 2023 Apr 20;14:1136223. doi: 10.3389/fpsyg.2023.1136223. PMID: 37151327; PMCID: PMC10159049.
- di Biase L, Piano C, Bove F, Ricci L, Caminiti ML, Stefani A, Viselli F, Modugno N, Cerroni R, Calabresi P, Bentivoglio AR, Tufo T, Di Lazzaro V; Lazio DBS Study Group. Intraoperative Local Field Potential Beta Power and Three-Dimensional Neuroimaging Mapping Predict Long-Term Clinical Response to Deep Brain Stimulation in Parkinson Disease: A Retrospective Study. *Neuromodulation.* 2023 Dec;26(8):1724-1732. doi: 10.1016/j.neurom.2022.12.013. Epub 2023 Feb 10. PMID: 36774326.10.3389/fpsyg.2023.1136223. PMID: 37151327; PMCID: PMC10159049.
- Paolini S, Severino R, Ciavarro M, Missori P, Cardarelli G, Mancarella C. Balloon-Assisted Corpus Callosotomy. Reducing the Impact of Transcallosal Approaches. *Oper Neurosurg (Hagerstown).* 2023 Mar 1;24(3):e155-e159. doi: 10.1227/ons.00000000000000514. Epub 2022 Nov 18. PMID: 36701680.
- Tufo T, Ciavarro M, Di Giuda D, Piccininni C, Piano C, Daniele A. Spinal cord stimulation may improve gait and cognition in hereditary spastic paraparesis with mental retardation: a case report. *Neurol Sci.* 2023 Mar;44(3):961-966. doi: 10.1007/s10072-022-06487-w. Epub 2022 Nov 11. PMID: 36369309.

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- Mora L, Committeri G, Ciavarro M, Cocchini G. Selective effects of a brain tumor on the metric representation of the hand: a pre- versus post-surgery comparison. *Exp Brain Res.* 2022 Dec;240(12):3183-3192. doi: 10.1007/s00221-022-06475-8. Epub 2022 Oct 19. PMID: 36260096; PMCID: PMC9678987.
- Ciavarro M, Grande E, Bevacqua G, Morace R, Ambrosini E, Pavone L, Grillea G, Vangelista T, Esposito V. Structural Brain Network Reorganization Following Anterior Callosotomy for Colloid Cysts: Connectometry and Graph Analysis Results. *Front Neurol.* 2022 Jul 18;13:894157. doi: 10.3389/fneur.2022.894157. PMID: 35923826; PMCID: PMC9340207.
- D'Elia A, Lavalle L, Bua A, Schiano DI Cola M, Ciavarro M, Esposito V. Continuous subcortical monitoring of motor pathways during glioma surgery with ultrasonic surgical aspirator: technical description in a single institute experience. *J Neurosurg Sci.* 2022 Jun 28. doi: 10.23736/S0390-5616.22.05819-2. Epub ahead of print. PMID: 35766211.
- Paolini S, Severino R, Mancarella C, Cardarelli G, Ciavarro M, Di Castelnuovo A, Iacoviello L, Minniti G. Mini-craniotomy for intra-axial brain tumors: a comparison with conventional craniotomy in 306 patients harboring non-dural based lesions. *Neurosurg Rev.* 2022 Aug;45(4):2983-2991. doi: 10.1007/s10143-022-01811-6. Epub 2022 May 18. PMID: 35585468.

Pubblicazioni – 2021

- Grande E, Tufo T, Ciavarro M, Di Muccio I, Fuggetta F, Silvestri M, Bevacqua G, Lanzone J, Assenza G. The Impact of COVID-19 Lockdown on People With Epilepsy and Vagal Nerve Stimulation. *Front Neurol.* 2021 Feb

• Ciavarro M, Grande E, Pavone L, Bevacqua G, De Angelis M, di Russo P, Morace R, Committeri G, Grillea G, Bartolo M, Paolini S, Esposito V. Pre-surgical fMRI Localization of the Hand Motor Cortex in Brain Tumors: Comparison Between Finger Tapping Task and a New Visual-Triggered Finger Movement Task. *Front Neurol.* 2021

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- Lavalle L, D'elia A., Ciavarro M., Esposito V.. Subpial technique in supratentorial glioma resection: state of the art and analysis of costs and effectiveness in a single institute experience. *Journal of Neurosurgical Sciences* 2020 Sep 28. doi: 10.23736/S0390-5616.20.05046-8.
- Esposito V., di Russo P., Del Maestro M., Ciavarro M., Vangelista T., De Angelis M., Fava A., Morace R. The Interhemispheric Transgenual Approach for Microsurgical Removal of Third Ventricle Colloid Cysts. Technical Note. *World Neurosurg.* 2020 Oct;142:197-205. doi: 10.1016/j.wneu.2020.06.222
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- d'Avanzo S.*, Ciavarro M.* , Pavone L., Pasqua G., Ricciardi F., Bartolo M., Solari D., Somma T., de



- Divitiis O., Cappabianca P., Innocenzi G. The Functional Relevance of Diffusion Tensor Imaging in Patients with Degenerative Cervical Myelopathy. *Journal of Clinical Medicine* 9 (6), 1828 * = equal contribution
Pubblicazioni – 2018
- Piano C., Fasano A., Daniele A., Di Giuda D., Ciavarro M., Tufo T., Zinno M., Bentivoglio A.R., Cioni B., Extradural motor cortex stimulation improves gait, speech, and language in a patient with pure akinesia. *Brain Stimulation* Sep 9 2018
Pubblicazioni – 2015
 - Montefinese M., Ciavarro M., Ambrosini E. What is the right place for atypical exemplars? Commentary: The right hemisphere contribution to semantic categorization: a TMS study. *Frontiers in Psychology* 2015 Sep 8; 6: 1349.
Pubblicazioni – 2013
 - Ambrosini E., Vastano R., Montefinese M., Ciavarro M. Functional specificity of the locus coeruleus/norepinephrine system in the attentional networks. *Front Behav Neurosci.* 2013 Dec 12;7:201.
 - Ambrosini E., Montefinese M., Vastano R., Ciavarro M. Keep an eye on your pupil! (Re)orienting attention and the noradrenergic system. Poster presented at XV National Congress of the Italian Society of Neuroscience (3-5 Oct), Rome, Italy.
 - Ciavarro M., Ambrosini E., Tosoni A., Committeri G., Fattori P. & Galletti C. rTMS of medial parieto-occipital cortex interferes with attentional reorienting during attention and reaching tasks. *The Journal of Cognitive Neuroscience* 2013 Sep;25(9):1453-62;
Pubblicazioni – 2012
 - Ambrosini E*, Ciavarro M*, Pelle G, Perrucci MG, Galati G, Fattori P, Galletti C, Committeri G Behavioral investigation on the frames of reference involved in visuomotor transformations during peripheral arm-reaching. *PLoS ONE* Nov 13, 2012 10.1371/journal.pone.0051856; * = equal contribution
Pubblicazioni – 2011
 - Ciavarro M., Ambrosini E. Specificity for reach planning in the human PPC. *The Journal of Neuroscience*. 2011 Feb 23; 31(8):2719–720;
Pubblicazioni – 2010
 - Galletti C., Breveglieri R., Lappe M., Bosco A., Ciavarro M., Fattori P. Covert shift of attention modulates the ongoing neural activity in a reaching area of the macaque dorsomedial visual stream. *PLoS One*. 2010 Nov 29;5(11):e15078.

Curriculum scientifico (in inglese)

WORK EXPERIENCE

02/11/2015 – CURRENT Pozzilli (IS), Italy
NEUROPSYCHOLOGIST NEUROSURGERY UNIT, IRCCS NEUROMED

2023 – CURRENT Roma, Italy
ACADEMIC ADVISOR INTERNATIONAL TELEMATIC UNIVERSITY UNINETTUNO
Principles of Cognitive Neuroscience

2022 – CURRENT Roma, Italy
ACADEMIC ADVISOR UNIVERSITÀ TELEMATICA INTERNAZIONALE UNINETTUNO
Cognitive Processes and Technologies

2018 – CURRENT Pozzilli (IS), Italy
ADJUNCT PROFESSOR UNIVERSITY LA SAPIENZA - IRCCS NEUROMED
Master degreee in Physiotherapy
Couse in Socio-Psychopedagogical Sciences

EDUCATION AND TRAINING

01/01/2010 – 07/05/2013 Bologna, Italy
PHD IN NEUROPHYSIOLOGY Alma Mater Studiorum Università di Bologna
Titolo tesi: "The role of medial parieto occipital cortex in visuospatial attention and reach planning: electrophysiological studies in human and non-human primate"
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31/07/2008 Chieti, Italy
MASTER DEGREE IN COGNITIVE PSYCHOLOGY University of G. d'Annunzio di Chieti-Pescara
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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.