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(B R E V E)

NOME: Antonio Orlacchio

LUOGO E DATA DI NASCITA: Perugia, 14/02/1972

CITTADINANZA: Italiana

E-MAIL: antonio.orlacchio@uniroma2.it, a.orlacchio@hsantalucia.it

SITO WEB: http://www.hsantalucia.it/neurogen/index_it.htm

ISTRUZIONE:

2004 Dottorato di Ricerca (Neuroscienze) - Università di Roma "Tor Vergata"
2000 Specializzazione in Neurologia - Università di Perugia
1996 Laurea in Medicina e Chirurgia - Università di Perugia

FORMAZIONE ALL'ESTERO:

1997-2001 Post-Doctoral Fellow, Centre for Research in Neurodegenerative Diseases, University of Toronto, Canada

POSIZIONE ATTUALE:

Professore Aggregato di Neurologia-Ricercatore Confermato (SSD MED/26), Dipartimento Universitario di Medicina dei Sistemi - Sezione di Neurologia, Università di Roma "Tor Vergata"; Dirigente Medico, Responsabile Ambulatorio e Programma Assistenziale di Neurogenetica, UOC Neurologia, Dipartimento Assistenziale di Neuroscienze, PTV; Direttore Laboratorio di Neurogenetica, CERC - IRCCS Santa Lucia, Roma

ATTIVITÀ DI RICERCA:

Neurogenetica

PREMI ED ONORIFICENZE (SELEZIONATI):

2012 Onorificenza Camera di Commercio di Perugia
2010 Premio Internazionale "San Valentino d'Oro"
2003 European Neurological Society Award

PROGETTI DI RICERCA:

Coordinatore Scientifico, 11; Responsabile UO, 21; Collaboratore: 5
Fonti di finanziamento: Ministero della Salute, Fondazione Telethon, Ministero dell'Università e Ricerca Scientifica, Università di Roma "Tor Vergata", Rotary International, Lundbeck Foundation (Danimarca), Nakabayashi Trust for ALS Research (Giappone), National Institute of Health (USA)

PUBBLICAZIONI:

Lavori *per extenso* revisionati da pari: 68, di cui 65 con *IF*
Primo autore: 24; Autore senior: 2; Autore per corrispondenza: 23
IF totale *ISI 2011*: 300
Capitoli di libro: 6; Abstracts: 137; Altre pubblicazioni: 10

LAVORI *PER EXTENSO* REVISIONATI DA PARI (ULTIMI 5 ANNI):

28. Tarquini F, Tiribuzi R, Crispoltoni L, Porcellati S, Del Pino AM, **Orlacchio A**, Coata G, Arnone S, Torlone E, Cappuccini B, Di Renzo GC, Orlacchio A:
Caspase 3 activation and PARP cleavage in lymphocytes from newborn babies of diabetic mothers with unbalanced glycaemic control.
Cell Biochemistry and Function, in stampa

27. Kawarai T, Pasco PMD, Teleg RA, Kamada M, Sakai W, Shimozono K, Mizuguchi M, Tabuena D, **Orlacchio A**, Izumi Y, Goto S, Lee LV, Kaji R:
Application of long- range polymerase chain reaction in the diagnosis of X-linked dystonia parkinsonism.
Neurogenetics, in stampa

26. Martino S, Montesano S, di Girolamo I, Tiribuzi R, Di Gregorio M, **Orlacchio A**, Datti A, Calabresi P, Sarchielli P, Orlacchio A:
Expression of cathepsins S and D signals a distinctive biochemical trait in CD34+ hematopoietic stem cells of relapsing-remitting multiple sclerosis patients.
Multiple Sclerosis Journal, in stampa

25. Miyashiro A, Sugihara K, Kawarai T, Miyamoto R, Izumi Y Morino H, Maruyama H, **Orlacchio A**, Kawakami H, Kaji R:
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24. Tiribuzi R, Crispoltoni L, Tartacca F, **Orlacchio A**, Martino S, Palmerini CA, Orlacchio A:
Nitric oxide depletion alters hematopoietic stem cell commitment toward immunogenic dendritic cells.
Biochimica et Biophysica Acta (BBA) - General Subjects 2013, 1830(3): 2830-2838

23. Chiurchiù V, Maccarrone M, **Orlacchio A**:
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Expert Opinion on Therapeutic Patents 2012, 22(2): 181-184

22. Montenegro G, Rebelo AP, Connell J, Allison R, Babalini C, D'Aloia M, Montieri P, Schüle R, Ishiura H, Price J, Strickland A, Gonzalez MA, Baumbach-Reardon L, Deconinck T, Huang J, Bernardi G, Vance JM, Rogers MT, Tsuji S, De Jonghe P, Pericak-Vance MA, Schöls L, **Orlacchio A***, Reid E, Züchner S:
Mutations in the ER-shaping protein reticulon 2 cause the axon-degenerative disorder hereditary spastic paraplegia type 12.
The Journal of Clinical Investigation 2012, 122(2): 538-544
*** Co-senior author**

21. Mattoli F, Tiribuzi R, D'Angelo F, di Girolamo I, Quattrocelli M, Montesano S, Crispoltoni L, Oikonomou V, Cusella De Angelis MG, Marconi P, **Orlacchio A**, Sampaolesi M, Martino S, Orlacchio A:
Development of a new tool for 3D-modeling for regenerative medicine.
International Journal of Biomedical Imaging 2011, 2011: 236854

20. Tiribuzi R, **Orlacchio A**, Crispoltoni L, Maiotti M, Zampolini M, De Angelis M, Mecocci P, Cecchetti R, Bernardi G, Datti A, Martino S, Orlacchio A:
Lysosomal β-galactosidase and β-hexosaminidase as feature of Alzheimer's disease development in T2DM patients.
Journal of Alzheimer's Disease 2011, 24(4): 785-797

19. **Orlacchio A**, Montieri P, Babalini C, Gaudiello F, Bernardi G, Kawarai T:
Late-onset hereditary spastic paraplegia with thin corpus callosum caused by a new *SPG3A* mutation.
Journal of Neurology 2011, 258(7):1361-1363

18. Shimizu H, Oka N, Kawarai T, Taniguchi K, Saji N, Tadano M, Bernardi G,
Orlacchio A, Kita Y:
Late-onset CMT2 associated with a novel missense mutation in the cytoplasmic domain of the MPZ gene.
Clinical Neurology and Neurosurgery 2010, 112(9): 798-800

17. **Orlacchio A**, Bernardi G, Orlacchio A, Martino S:
Stem cells and neurological diseases.
Discovery Medicine 2010, 9(49): 546-553. Invited Review

16. **Orlacchio A**, Babalini C, Borreca A, Patrono C, Massa R, Basaran S, Munhoz RP, Rogaeva EA, St George-Hyslop PH, Bernardi G, Kawarai T:
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Brain 2010, 133(Pt 2): 591-598

15. **Orlacchio A**, Bernardi G, Orlacchio A, Martino S:
Stem cells: an overview of the current status of therapies for central and peripheral nervous system diseases.
Current Medicinal Chemistry 2010, 17(7): 595-608. Invited Review

14. Martino S, di Girolamo I, **Orlacchio A,** Datti A, Orlacchio A:
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Journal of Biomedicine and Biotechnology 2009, 654346. Invited Review

13. Refenes N, Bolbrinker J, Tagaris G, **Orlacchio A**, Drakoulis N, Kreutz R:
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BMC Neurology 2009, 9: 26

12. **Orlacchio A**, Brusa L, Moschella V, Iani C, Bernardi G, Mercuri NB:
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*** Equal first author**

11. Pippucci T, Panza E, Pompili E, Donadio V, Borreca A, Babalini C, Patrono C, Zuntini R, Kawarai T, Bernardi G, Liguori R, Romeo G, Montagna P, **Orlacchio A**, Seri M:
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10. Costanzi E, Persichetti E, Tiribuzi R, Massini C, Bernardi G, **Orlacchio A,** Orlacchio A:
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Neurochemical Research 2008, 33(12): 2510-2515

9. **Orlacchio A**, Bernardi G, Orlacchio A, Martino S:
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8. **Orlacchio A**, Bruce IN, Rahman P, Kawarai T, Bernardi G, St George-Hyslop PH, Gladman DD, Urowitz MB:
The apolipoprotein E2 isoform is associated with accelerated onset of coronary artery disease in systemic lupus erythematosus.
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7. **Orlacchio A**, Patrono C, Gaudiello F, Rocchi C, Moschella V, Floris R, Bernardi G, Kawarai T:
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6. **Orlacchio A**, Patrono C, Borreca A, Babalini C, Bernardi G, Kawarai T:
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5. Urbanelli L, Emiliani C, Massini C, Persichetti E, **Orlacchio A**, Pelicci G, Sorbi S, Hasilik A, Bernardi G, Orlacchio A:
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4. **Orlacchio A**, Bernardi G, Orlacchio A, Martino S:
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Mini-Reviews in Medicinal Chemistry 2007, 7(11): 1166-1176. Invited Review

3. Matsui M, Kawarai T, Hase Y, Tomimoto H, Iseki K, Rogaeva EA, **Orlacchio A**, Bernardi G, St George-Hyslop PH, Takahashi R, Matsui M:
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2. **Orlacchio A**, Calabresi P, Rum A, Tarzia A, Salvati AM, Kawarai T, Stefani A, Pisani A, Bernardi G, Cianciulli P, Caprari P:
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1. Pachatz C, Terracciano C, Desiato MT, **Orlacchio A**, Mori F, Rocchi C, Bernardi G, Massa R:
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Clinical Neurophysiology 2007, 118(2): 262-268