Dr. Nicola BERRETTA

DATI PERSONALI

Nome: Nicola *Cognome*: Berretta *Data e luogo di nascita*: 4 Giugno 1963, Pisa

Nazionalità: italiana *Stato civile*: coniugato

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Posizione attuale: Dirigente Biologo presso la Fondazione Santa Lucia IRCCS

TITOLI DI STUDIO

1987: Laurea in Scienze Biologiche presso l'Università degli Studi di Pisa.. Votazione: 110/110 e lode. Relatore: Prof. W. Francesconi.

1993: Dottorato di Ricerca in Neuroscienze di base presso l'Università di Pisa – Dipartimento di Fisiologia e Biochimica. Tutore: Prof. W. Francesconi.

ESPERIENZE & TITOLI

1992: *Honorary Research Associate* presso l'Università di Birmingham (UK) – Dipartimento di Farmacologia.

1993: *Postdoctoral Research Fellow* presso l'Università di Birmingham (UK) – Dipartimento di Farmacologia.

1994: *Postdoctoral Research Assistant* presso l'Università di Oxford (UK) – Dipartimento di Farmacologia.

1996: Borsista presso la Scuola Internazionale Superiore di Studi Avanzati di Trieste.

1998: Ricercatore presso la Fondazione Santa Lucia IRCCS.

2004: Membro del Comitato Organizzatore Locale del II° Congresso "The Human Brain – modelling and remodelling" – Roma 6-9 Ottobre, 2004.

2006: Dirigente di Struttura Semplice presso la Fondazione Santa Lucia IRCCS.

ISCRIZIONE A SOCIETA' SCIENTIFICHE

Federation of the European Neuroscienze Societies (FENS);
Società Italiana di Neuroscienze (SINS).

EDITORIAL BORAD & REVIEWING

Editorial Board di: The Scientific World Journal – Physiology Domain.

Referee per: Brain Research; British Journal of Pharmacology; Journal of Physiology (Lond.); Journal of Neuroscience; Journal of Neurochemistry; Neuropharmacology; Neuroscience.

PUBBLICAZIONI

1. Tiveron C, Fasulo L, Capsoni S, Malerba F, Marinelli S, Paletti F, Piccinin S, Scarmigli R, Amato G, Brandi R, Capelli P, D'Aguanno S, Florenzano F, La Regina F, Lecci A, Manca A, Meli G, Pistillo L, **Berretta N**, Nisticò R, Pavone F & Cattaneo A (2013). ProNGF\NGF imbalance triggers learning and memory deficits, neurodegeneration and spontaneous epileptic-like discharges in transgenic mice. *Cell Death Differ. (in press).* **I.F. 8.85**

2. Guatteo E, Yee A, McKearney J, Cucchiaroni ML, Armogida M, **Berretta N**, Mercuri NB & Lipski J (2013). Dual effects of L-DOPA on nigral dopaminergic neurons. *Exp. Neurol. (in press).* **I.F. 4.70**

3. Nisticò R, Mango D, Mandolesi G, Piccinin S, **Berretta N**, Pignatelli M, Religioni M, Musella A, Gentile A, Mori F, Bernardi G, Nicoletti F, Mercuri NB & Centone D (2013). Inflammation subverts hippocampal synaptic plasticity in experimental multiple sclerosis. *PlosONE 8: e54666*. **I.F. 4.09**

4. **Berretta N**, Mehdawy B, Ledonne A, Mango D, Guatteo E, Bernardi G & Mercuri NB (2012). Calcium dysregulation and oxidative stress in Parkinson's disease. *Eur. J. Neurodeg. Dis. 1: 123-131*.

5. Perugini A, Laing M, **Berretta N**, Aicardi G & Bashir ZI (2012). Synaptic plasticity from amygdala to perirhinal cortex – a possible mechanism for emotional enhancement of visual recognition memory? *Eur. J. Neurosci. 36: 2421-2427*. **I.F. 3.42**

6. **Berretta N**, Ledonne A, Mango D, Bernardi G & Mercuri NB (2012). Hippocampus *vs.* entorhinal cortex decoupling by an NR2 subunit-specific block of NMDA receptors in a rat in vitro model of temporal lobe epilepsy. *Epilepsia 53: e80-e84*. **I.F. 4.05**

7. Ledonne A, Mango D, Bernardi G, **Berretta N** & Mercuri NB (2012). A continuous high frequency stimulation of the subthalamic nucleus determines a suppression of excitatory synaptic transmission in nigral dopaminergic neurons recorded in vitro. *Exp. Neurol. 233:292-302*. **I.F. 3.91**

8. Lipski J, Nistico R, **Berretta N**, Guatteo E, Bernardi G & Mercuri NB (2011). L-DOPA: a scapegoat for accelerated neurodegeneration in Parkinson's disease? *Prog. Neurobiol. 94: 389-407*. **I.F. 9.14**

9. Ledonne A, **Berretta N**, Davoli A, Ricciardo Rizzo G, Bernardi G & Mercuri NB (2011). Electrophysiological effects of trace amines on mesencephalic dopaminergic neurons. *Front. Syst. Neurosci. 5: 56*.

10. Cucchiaroni ML, Freestone PS, **Berretta N**, Viscomi MT, Okano H, Molinari M, Bernardi G, Lipski J, Mercuri NB & Guatteo E (2011). Properties of dopaminergic neurons in organotypic mesencephalic-striatal co-cultures: evidence for the facilitatory effect of dopamine on the glutamatergic inputs mediated by α-1 adrenergic receptors. *Eur. J. Neurosci. 33:1622-1636*. **I.F. 3.42**

11. Spalloni A, Origlia N, Sgobio C, Trabalza A, Nutini M, **Berretta N**, Bernardi G, Domenici L, Ammassari-Teule M & Longone P (2010). Postsynaptic alteration of NR2A subunit and defective autophosphorylation of αCaMKII at threonine 286 contribute to abnormal plasticity and morphology of upper motor neurons in pre-symptomatic $SOD1^{G93A}$ mice, a murine model for Amyotrophic Lateral Sclerosis. *Cereb. Cortex 21: 796-805*. **I.F. 6.98**

12. **Berretta N**, Bernardi G & Mercuri NB (2010). Firing properties and functional connectivity of substantia nigra *pars compacta* neurones recorded with a multi-electrode array *in vitro*. *J. Physiol. (Lond.) 588: 1719-1735*. **I.F. 4.76**

13. Middei S, **Berretta N**, Roberto A, Panico MB, Lista S, Bernardi G, Mercuri NB, Ammassari-Teule M & Nisticò R (2010). Learning discloses abnormal structural and functional plasticity at hippocampal synapses in the APP23 mouse model of Alzheimer Disease. *Learn. Mem. 17: 236-240*. **I.F. 4.06**

14. Giustizieri M, Armogida M, **Berretta N**, Federici M, Piccirilli S & Mercuri NB (2008). Differential effect of carbamazepine and oxcarbazepine on excitatory synaptic transmission in rat hippocampus. *Synapse 62: 783-789*. **I.F. 2.56**

15. **Berretta N**, Nisticò R, Bernardi G & Mercuri NB (2008). Synaptic plasticity in the basal ganglia: a similar code for physiological and pathological conditions. *Prog. Neurobiol. 84: 343-362*. **I.F. 8.87**