

Europass Curriculum Vitae



Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Email(s)

Nationality(-ies)

Date of birth

Gender

Narducci Roberto

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italian

05/07/1983

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Research experiences

Date	October 2012 - present
Occupation or position held	Project Manager
Project Title	"NOAEL project"
Website Address	http://www.noaelproject.it
Project description	Building an online database containing the No Observed Adverse Effect Level (NOAEL) for chemical substances present in cosmetic products in order to assess their safe concentration in finished products.
Main activities	Responsible for the initial project set-up, team formation, report creation as well as client presentations.
Name and address of employer	PIN s.c.r.l., Prato, Italy
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Date	May 2010 - September 2010
Occupation or position held	Postgraduate Fellow
Project Title	"Involvement of the MNB/DYRK1A Kinase-SEP14 interaction in Trisomy 21 associated Neuropathologies"
Name and address of employer	Neuroscience Institute of Alicante, Sant Joan d'Alacant, Alicante, Spain
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Date	October 2009 - November 2009
Occupation or position held	pre-PhD student
Name and address of employer	Center of Neuroscience and Cognitive Research De Boelelaan 1085, Amsterdam, Netherlands
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Education and training

Date	From January 2011 - 31 March 2014
Title of qualification awarded	PhD in "Pharmacology, Toxicology and Innovative Treatments"
Thesis title	Acute actions of parkinsonizing toxin MPP ⁺ reveal new functions for the hyperpolarization-activated current in the physiology and pathology of midbrain dopaminergic neurons
Main Projects	- Study of the bio-physical alterations caused by metabolic stress in nigral dopamine neurons with <i>in vitro</i> electrophysiology - Optogenetic neuroglial network perturbation and gliotransmission modulation
Supervisor	Prof. Guido Mannaioni (guido.mannaioni@unifi.it)
Organization providing training	Dept of Pharmacology (NEUROFARBA - section of Neuroscience from Jan 1st 2013), University of Florence, Florence, Italy
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Date	January 2009
Title of qualification awarded	Abilitation for the profession of Biologist
Organization providing training	National Order of Biologists
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Date	November 2008
Title of qualification awarded	Master degree in Behavioural Biology with top marks and honours (110/110 <i>cum laude</i> and <i>encomium</i>)
Thesis title	"The antagonism of P2 purinergic receptors enhances neuronal survival during OGD in the CA1 rat hippocampal slices".
Organization providing education	Dept of Pharmacology (NEUROFARBA - section of Neuroscience from Jan 1st 2013), University of Florence, Florence, Italy
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Date	April 2006
Title of qualification awarded	Bachelor degree in General Biology with top marks and honours (110/110 <i>cum laude</i>)
Thesis title	"Effects of sphingosine-1-phosphate on cellular cycle of C2C12 murine myoblasts".
Organization providing education	Dept of Biochemical Sciences University of Florence, Florence, Italy

Personal skills and expertise

Mother tongue(s)

Italian

Other languages

English

Self-assessment

European level^()*

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Writing	
C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user

^(*) Common European Framework of Reference (CEF) level

Certificates

Preliminary English Test (PET), European Computer Driving Licence (ECDL)

Social skills

Good social skills, ability to adapt to any situation, competences acquired in the different working environments mentioned above. I'm also used to work in team and to offer my knowledge and skills to achieve results and to solve problems.

Organisational skills

Very good organizational skills in managing several projects simultaneously and in prioritising tasks acquired through the traineeship experience.
Good experience in project and team management acquired during the development of the NOAEL-project.

Technical skills

Electrophysiology: Excellent theoretical and practical knowledge of whole-cell cultured neurons (dorsal root ganglia, hippocampal neurons), brain slices (midbrain and hippocampus) and glial cells.

Molecular and Cell Biology: Familiar with Immunohistochemistry, Immunofluorescence, PCR, and calcium imaging with fluorescent indicators.

Preparations: Rats and mice hippocampal and mesencephalic slices preparation, rats embryonal and neonatal neuronal and glial culture preparation

Computer skills

Operating systems: Windows XP/7, MAC OS X and Linux.

Office tools: In depth-knowledge of Microsoft Office (Word, Excel, Powerpoint), capable user of \LaTeX .

Web design: HTML and CSS language. Drupal-based websites creation.

Data analysis and statistics: Electrophysiological data acquisition and analysis with Axon pCLAMP 10 software. Dynamic fluorescence image acquisition and analysis with Imaging Workbench 6 (Indec Biosystems).

Good command of Prism 6.0 (Graphpad Software) and Origin 8.1

Image acquisition and editing : Image-J, Adobe Photoshop CS5, Adobe Illustrator CS5 and Adobe InDesign CS5.

Additional Information

Publications

Rolando Berlinguer-Palmini, **Roberto Narducci**, Kamyar Merhan, Arianna Dilaghi, Flavio Moroni, Alessio Masi, Tania Scartabelli, Elisa Landucci, Maria Sili, Antonio Schettini, Brian McGovern, Pleun Maskaant, Patrick Degenaar, and Guido Mannaioni.

Arrays of microleds and astrocytes: Biological amplifiers to optogenetically modulate neuronal networks reducing light requirement.

PLoS One, 9(9):e108689, Sep 2014

Rolando Berlinguer-Palmini, Alessio Masi, **Roberto Narducci**, Leonardo Cavone, Dario Maratea, Andrea Cozzi, Maria Sili, Flavio Moroni, and Guido Mannaioni.

Gpr35 activation reduces Ca^{2+} transients and contributes to the kynurenic acid-dependent reduction of synaptic activity at $Ca^{3-}Ca^{1}$ synapses.

PLoS One, 8(11):e82180, Nov 2013

Alessio Masi, **Roberto Narducci**, Elisa Landucci, Flavio Moroni, and Guido Mannaioni.

MPP(+)-dependent inhibition of I(h) reduces spontaneous activity and enhances EPSP summation in nigral dopamine neurons.

Br J Pharmacol, Jan 2013

Oral and poster presentations

- "Parkinsonizing toxin 1-methyl-4-phenylpyridinium enhances temporal summation of excitatory post-synaptic potentials in midbrain dopamine neurons by inhibiting Ih". Poster presentation at 43rd Annual Meeting of the Society for Neuroscience, San Diego CA, USA, November 2013
- "Non mitochondrial effects of MPP⁺ on SNc dopaminergic neurons". Poster presentation at FENS Featured Regional Meeting, Prague, Czech Republic, 11-14 September 2013
- "Data bank for ingredients used in cosmetics. A practical example: NOAEL-project". Oral presentation at Italian Scientific Group for Studies and Researches (GSISR), Milan, Italy, 7 November 2013
- "1-Methyl-4-Phenylpyridinium (MPP⁺) Modulates Hyperpolarization-Activated Current (Ih) In Substantia Nigra Pars Compacta Dopaminergic Neurons". Poster presentation at 8rd FENS Forum of Neuroscience, Barcelona, Spain, July 2012
- "Super-bright microleds for bi-dimensional optogenetic applications and opto-electronic retinal prosthesis super-bright microleds for bi-dimensional optogenetic applications and opto-electronic retinal prosthesis". Poster presentation at 8rd FENS Forum of Neuroscience, Barcelona, Spain, July 2012
- "Ih loss of function as a mechanism underlying the selective vulnerability of nigral dopamine neurons in Parkinson's disease". Poster presentation at 14th meeting of Italian Society of Neuroscience (SINS), Catania, Italy, April 2012
- "Hyperpolarization-activated current, midbrain dopamine neurons and Parkinson's disease". Poster presentation at 35th National Congress of Italian Society of Pharmacology, Bologna, Italy, September 2011
- "MPP⁺ modulates hyperpolarization-activated current (Ih) in dopaminergic neurons of the substantia nigra pars compacta". Poster presentation at 8th IBRO World Congress of Neuroscience, Florence, Italy, July 2011

Contacts for references

Prof. Guido Mannaioni
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Annamaria Pugliese
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