


PERSONAL INFORMATIONS

Patrizia Ratano

 Experimental Epilepsy Research Unit, Istituto Neurologico Mediterraneo Neuromed, Pozzilli (Is), Italy

| Nationality Italian

WORK EXPERIENCE AND TRAINING

Jan 2020-to date

Post-doc

PI: Prof. Sergio Fucile, Prof. Cristina Limatola - Experimental Epilepsy Research Unit, Istituto Neurologico Mediterraneo Neuromed, Pozzilli (Is), Italy

Research activity on the epilepsy and neuroinflammation

Feb 2018-Jan 2020

Post-doc

PI: Dr. Barbara Cortese – NANOTEC-CNR, Roma, Italy

Research activity on the role of electro/mechanical cues in the control and guidance of glioma progression

Jan 2017-Jan 2018

Post-doc Trainee

PI: Prof. Davide Ragozzino - Dept. of Physiology and Pharmacology “V. Erspamer” – Sapienza University of Rome, Italy – P. le Aldo Moro, 5 00185 Roma, Italy

Training in patch-clamp electrophysiology of neurons and microglia

Sep 2016- Jan 2018

Post-doc

PI: Dr. Daniele Caprioli - Dept. of Physiology and Pharmacology “V. Erspamer” – Sapienza University of Rome, Italy – P. le Aldo Moro, 5 00185 Roma, Italy

<http://dff.uniroma1.it/en>

- Research activity in the field of Neuropsychopharmacology and behavioural neuroscience.
- Teaching activity at the Faculty of Pharmacy and Medicine

A:A. 2016-present

Temporary Teaching Appointment SSD M-PSI/04

Dept. of Biotechnological and Applied Clinical Sciences - University of L'Aquila, L'Aquila, Italy - Via Vetoio (Coppito 2), 67100 Coppito (AQ)

<http://www.univaq.it/en/>

Teaching activity : Course of Psychoneuroimmunology – CdL Psychological Applied Sciences
Prot. N: 924, 18/07/2016 released by the Head of Dept. of Biotechnological and Applied Clinical Sciences Prof. Edoardo Alesse

A:A. 2016-present

Temporary Teaching Appointment SSD BIO/14

Dept. of Biotechnological and Applied Clinical Sciences - University of L'Aquila, L'Aquila, Italy - Via Vetoio (Coppito 2), 67100 Coppito (AQ)

<http://www.univaq.it/en/>

Teaching activity : Course of Pharmacology – CdL Techniques in Radiology Imaging and Radiotherapy
Prot. N: 925, 18/07/2016 released by the Head of Dept. of Biotechnological and Applied Clinical Sciences Prof. Edoardo Alesse

A:A. 2016-present

Temporary Teaching Appointment SSD BIO/14

Dept. of Biotechnological and Applied Clinical Sciences - University of L'Aquila, L'Aquila, Italy - Via Vetoio (Coppito 2), 67100 Coppito (AQ)

<http://www.univaq.it/en/>

Teaching activity : Course of Pharmacology – CdL Sport and Physical Activity Sciences
Prot. N: 926, 18/07/2016 released by the Head of Dept. of Biotechnological and Applied Clinical Sciences Prof. Edoardo Alesse

Jan 2013-Jul 2016

Postdoctoral fellow

PI: Prof. Patrizia Campolongo - Dept. of Physiology and Pharmacology “V. Erspamer” – Sapienza University of Rome, Italy – P. le Aldo Moro, 5 00185 Roma, Italy

<http://dff.uniroma1.it/en>

- Research activity in the field of Neuropsychopharmacology and behavioural neuroscience.
- Teaching activity at the Faculty of Pharmacy and Medicine
- Thesis tutor for Master students and for PhD Students, of the Faculty of Pharmacy and Medicine

Sep 2012- Dec 2012

PhD Student

Advisor: Prof. Vincenzo Cuomo, Prof. Patrizia Campolongo -Dept. of Physiology and Pharmacology “V. Erspamer” – Sapienza University of Rome, Italy – P. le Aldo Moro, 5 00185 Rome, Italy

<http://dff.uniroma1.it/en>

- Research activity in the field of Neuropsychopharmacology and behavioural neuroscience.

Aug 20011 - Aug2012

Visiting PhD Student

Dept. of Psychology, Downing College, University of Cambridge, Cambridge, UK.

<http://www.psychol.cam.ac.uk/>

- Research activity in the field of Neuropsychopharmacology and behavioural neuroscience.

Sept 2009 - Jul 2011

PhD Student

Dept. of Physiology and Pharmacology “V. Erspamer” – Sapienza University of Rome, Italy – P. le Aldo Moro, 5 00185 Rome, Italy

<http://dff.uniroma1.it/en>

- Research activity in the field of Neuropsychopharmacology and behavioural neuroscience.

Mar 2007 - Aug 2009

Internship

Dept. of Cell Biology and Neuroscience, Division of Clinical, Diagnostic and Therapy of Neurodegenerative Diseases of Central Nervous System, National Institute of Health (ISS), Rome, Italy.

<http://www.iss.it/chis/index.php?lang=1&tipo=4&uno=1112&due=1220>

- Research activity in understanding of the pathogenic and spreading mechanisms of the infectious prion protein (PrP) from the periphery to the CNS after experimental infection in animal models; understanding the molecular basis of amyloidogenesis PrP; identification and characterization of human strains of Transmissible spongiform encephalopathies (TSEs); development of new diagnostic tests and identification of biological markers in biological materials for diagnosis in the early stages of disease or in preclinical phase; development of novel therapeutic approaches in the field of degenerative diseases of the central nervous system

Sept 2006 - Febr 2007

Internship

Dept. of Biology and Biotechnology “Charles Darwin” – Sapienza University of Rome, Italy – P. le Aldo Moro, 5 00185 Rome, Italy

<http://bbcd.bio.uniroma1.it/bbcd/en>

- Research activity on characterization of viral vectors for gene therapy and on studies on human diseases and ageing.

EDUCATION

Jul 2020

Qualification as a Professional Biologist, Università degli Studi Dell'Aquila

Jan 2014 - Mar 2015

Specialization Studies, DPA Italian School on Addiction (95/100)

Presidenza del Consiglio dei Ministri, Dipartimento Politiche Antidroga–Scuola Nazionale dell'Amministrazione, Rome, Italy

Project Work: *"Internet Gaming Disorder: What are we looking at? What are we looking for?"*

Nov 2009 - Oct 2012

Ph.D. in Toxicology

Dept. of Physiology and Pharmacology, Sapienza University of Rome, Italy

Advisors: Prof. Vincenzo Cuomo, Dr. Patrizia Campolongo, Prof. Barry J. Everitt, Dr. Amy L. Milton.

Thesis title: *"Modulation of memory processes: traveling through the Endocannabinoid system"*

Feb 2007 - Jul 2009

Master of Science in Biology Applied to Biomedical Research (*Magna cum Laude*)

Sapienza University of Rome, Italy

Advisors: Prof. Maurizio Pocchiari, Prof. Maria Eugenia Schininà, Dr. Franco Cardone.

Thesis title: *"Molecular characterization of strains of Creutzfeldt-Jakob disease in transgenic mice expressing the human prion protein"*

Oct 2003 – Jan 2007

Bachelor's degree in Genetic and Molecular Biology (105/110)

Sapienza University of Rome, Italy

Advisor: Prof. Isabella Saggio.

Thesis title: *"Construction and characterization of a lentiviral vector for the interference of the prion protein"*

PERSONAL SKILLS**Technical skills**

1. Multi-year experience in the field of animal welfare and related legislation
2. Deep knowledge and application of behavioral models for addiction and processes of learning and memory in rodents
3. Management of small rodents colonies/pairs
4. Administration of pharmacological agents by subcutaneous, intraperitoneal, intramuscular, edovenous, intranasal routes. In addition, with the use of stereotactic surgery , intracerebral infusion
5. Neurosurgery of small rodents
6. Organ and tissue collection of small rodents
7. Analytical laboratory techniques: extraction and separation of proteins from tissue homogenates and cells (chromatography, electrophoresis, Western and Southern blotting).
8. Cell culture; bacterial transformation; cell transfection; production of lentiviral vectors, transduction mediated by lentivirus; techniques of microbiology; extraction of nucleic acids.

9. Accounting and Reporting of scientific research projects financed by Ministry of Education, University and Research (MIUR) and the Human Frontier Science Program

Mother tongue

Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
Proficient User	Proficient User	Proficient User	Proficient User	Proficient User
Basic User	Basic User	Basic User	Basic User	Basic User

English

French

Communication skills

- Excellent communication skills gained through my experience as Academic Lecturer

Organisational / managerial skills

- Problem Solving
- Planning of Research activities

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient User	Proficient User	Proficient User	Proficient User	Proficient User

- Excellent command of Office suite (word processor, spread sheet, presentation software)
- Excellent command of statistic software (SPSS, SigmaStat)

ADDITIONAL INFORMATION

Publications

Index Source: Scopus

h-index = 13 (SCOPUS)
Citazioni: 722

Basilico B, Ferrucci L, **Ratano P**, Golia MT, Grimaldi A, Rosito M, Ferretti V, Reverte I, Sanchini C, Marrone MC, Giubettini M, De Turrís V, Salerno D, Garofalo S, St-Pierre MK, Carrier M, Renzi M, Pagani F, Modi B, Raspa M, Scavizzi F, Gross CT, Marinelli S, Tremblay MÈ, Caprioli D, Maggi L, Limatola C, Di Angelantonio S, Ragozzino D. Microglia control glutamatergic synapses in the adult mouse hippocampus. *Glia*. 2022 Jan;70(1):173-195. doi: 10.1002/glia.24101. Epub 2021 Oct 18.

Facchinetti R., Valenza M., Bronzuoli M.R., Menegoni G., **Ratano P.**, Steardo L., Campolongo P., Scuderi C., Looking for a Treatment for the Early Stage of Alzheimer's Disease: Preclinical Evidence with Co-Ultramicronized Palmitoylethanolamide and Luteolin. *Int J Mol Sci*. 2020 May 27;21(11):3802. doi: 10.3390/ijms21113802.

Cortese B., D'Amone S., Testini M., **Ratano P.**, Palamà I.E., Hybrid clustered nanoparticles for chemo-antibacterial combinatorial cancer therapy. *Cancers (Basel)*. 2019 Sep 10;11(9):1338. doi: 10.3390/cancers11091338.

Maffei D., **Ratano P.**, Fusco I., Marconi V., Squillace S., Negri L., Severini C., Balboni G., Steardo L., Bronzuoli M.R., Scuderi C., Campolongo P., Lattanzi R. The prokineticin receptor antagonist PC1 rescues memory impairment induced by β amyloid administration through the modulation of prokineticin system. *Neuropharmacology*. 2019 Nov 1;158:107739. doi: 10.1016/j.neuropharm.2019.107739.

Palamà I.E., D'Amone S., **Ratano P.**, Donatelli A., Liscio A., Antonacci G., Testini M., Di Angelantonio S., Ragozzino D., Cortese B., Mechanical Durotactic Environment Enhances Specific Glioblastoma Cell Responses. *Cancers (Basel)*. 2019 May 9;11(5). pii: E643. doi: 10.3390/cancers11050643.

Basilico B.*, Cortese B.*, **Ratano P.**, Di Angelantonio S., Ragozzino D., Time-lapse Whole-field Fluorescence Imaging of Microglia Processes Motility in Acute Mouse Hippocampal Slices and Analysis. *Bio-protocol*. 2019. 6:e1854 *Equal Contribution.

Ratano P., Petrella C., Petrocchi Passeri C., Palmery M., Trezza V., Severini C., Campolongo P., Pharmacological inhibition of 2-arachidonolglycerol hydrolysis enhances memory consolidation in rats through CB2 receptor activation and mTOR signaling modulation. *Neuropharmacology*. 2018 May 26. pii: S0028-3908(18)30265-X. doi: 10.1016/j.neuropharm.2018.05.030

Esposito E., Drechsler M., Mariani P., Carducci F., Servadio M., Melancia F., **Ratano P.**, Campolongo P., Trezza V., Cortesi R., Nastruzzi C., Lipid nanoparticles for administration of poorly water soluble neuroactive drugs. *Biomed Microdevices.*, 2017 Sep;19(3):44. doi: 10.1007/s10544-017-0188-x.

Ratano P., Palmery M. Trezza V., Campolongo P., Cannabinoid modulation of memory consolidation in rats: beyond the role of cannabinoid receptor subtype 1. *Frontiers in Pharmacology*, 2017 Apr 12;8:200. doi: 10.3389/fphar.2017.00200. eCollection 2017.

Merlo E., **Ratano P.**, Ilioi E. C., Robbins M.A.L.S., Everitt B.J.& Milton A.L., Amygdala dopamine receptors are required for the destabilization of a reconsolidating appetitive memory. *eNeuro*, 2015 DOI: 10.1523/ENEURO.0024-14.2015

Esposito E.; Ravani L.; Drechsler M.; Mariani P.; Contado C.; **Ratano P.**; Campolongo P.; Trezza V.; Nastruzzi C.; Cortesi R., Cannabinoid antagonist in nanostructured lipid carriers (NLC): design, characterization and in vivo study. *Materials Science and Engineering C*, 2015 Mar; 48:328-36.

Morena M., Roozendaal B., Trezza V., **Ratano P.**, Peloso A., Hauer D., Atsak P. Trabace L., Cuomo V., McGaugh J.L., Schelling G., Campolongo P., Endogenous cannabinoid release within prefrontal-limbic pathways affects memory consolidation of emotional training. *PNAS*, 2014 Dec, 111(51):18333-8.

Scuderi C., Stecca C., Valenza M., **Ratano P.**, Bronzuoli M.R., Bartoli S., Steardo L., Pompili E., Fumagalli L., Campolongo P. And Steardo L., Palmitoylethanolamide controls reactive gliosis and exerts neuroprotective functions in a rat model of Alzheimer's disease. *Cell Death & Disease* 2014 Sep, 5:e1419; doi:10.1038/cddis.2014.376.

Ratano P., Everitt B.J., Milton A.L., The CB1 receptor antagonist AM251 impairs reconsolidation of pavlovian fear memory in the rat basolateral amygdala, *Neuropsychopharmacology* 2014 Oct, 39 (11):2529-37.

Campolongo P.*, **Ratano P.***, Ciotti M.T., Florenzano F., Marolda R., Palmery M., Possenti R., Rinaldi A.M., Calissano P. and Severini C., Systemic administration of substance P recovers beta amyloid-induced cognitive deficits in rat: Involvement of Kv potassium channels, *Plos One* 2013 Nov 12;8(11):e78036. doi: 10.1371/journal.pone.0078036, *Equal Contribution.

Milton A.L., Merlo E., **Ratano P.**, Gregory B.L., Dumbreck J.K., Everitt B.J., Double dissociation of the requirement for GluN2B-and GluN2A-containing NMDA receptors in the destabilization and restabilization of a reconsolidating memory, *J Neurosci*. 2013 Jan 16;33(3):1109-15. doi: 10.1523/JNEUROSCI.3273-12.2013.

Campolongo P.*, **Ratano P.***, Manduca A., Scattoni M.L., Palmery M., Trezza V., Cuomo V., The endocannabinoid transport inhibitor AM404 differentially modulates recognition memory in rats depending on environmental aversiveness, *Front Behav Neurosci*. 2012;6:11, *Equal Contribution.

Ratano P.; Trezza V.; Morena M.; Manduca A.; Miele J.; Campolongo P., Effects of central administration of the indirect cannabinoid agonist URB597 in the modulation of emotional memory in rats, *European Neuropsychopharmacology*, 2011 Sep, 21, S342-S343

Hauer D., **Ratano P.**, Morena M., Briegel I., Scaccianocce S., Palmery M., Cuomo V., Roozendaal B., Schelling G., Campolongo P., Propofol Enhances Long-Term Memory Formation via an Interaction with the Endocannabinoid System, *Anesthesiology*. 2011 Jun;114(6):1380-8.

Campolongo P, Trezza V., **Ratano P.**, Palmery M., Cuomo V., Developmental consequences of perinatal cannabis exposure: behavioral and neuroendocrine effects in adult rodents, *Psychopharmacology*, 2010 Mar;214(1):5-15.

Poster Presentations and Oral communication at National and International Meetings

Cortese B., D'Amone S., **Ratano P.**, Palamà I.E., Evaluating the role of durotactic migration in the glioblastoma (GBM) tumour microenvironment. Materials 2018, 22th-26th October, Bologna, Italy (**Oral Communication**)

Basilico B., **Ratano P.**, Pagani F., Grimaldi A., Di Angelantonio S., Limatola C., Ragozzino D., Microglia are required for synaptic function in hippocampus, 2nd Annual Meeting of the Neurologic and Psychiatric Disorders: from synapses to networks (SynaNet) H2020 Twinning Project, 17-18 January 2018, Lisbon, Portugal

Ratano P., Venniro M., Zhang M., Bossert M. J., Warren B. L., Hope B. T., Shaham Y. and Caprioli D., Role of dorsomedial striatum neuronal ensembles in incubation of methamphetamine craving after voluntary abstinence. 38° Congresso Nazionale della Società Italiana di Farmacologia, 25th-28th October 2017, Rimini, Italy

Ratano P., Carlucci M., Rubino B., Colucci P., Campolongo P., A differential role for the endocannabinoids anandamide and 2-arachidonoylglycerol in modulating the retrieval of cued- and contextual- fear memory. 10th Forum of Neuroscience, 2th-6th July 2016, Copenhagen, Denmark

Rubino B., Atehortua Martinez A., **Ratano P.**, Campolongo P., Different roles of the endocannabinoids anandamide and 2-arachidonoylglycerol in the modulation of memory retrieval in rats. Convegno Monotematico of the Italian Society of Pharmacology, 3th-4th March 2016, University of Milan, Milan, Italy

Ratano P., Reproducing Conditioned Emotional Responses in rodents, Valentina De Castro memorial symposium, 2th December 2015, Sapienza University of Rome, Rome (**Oral Communication**)

Ratano P., Frusciante S., Campolongo P., Enhancing endogenous cannabinoid anandamide signaling in the basolaterale amygdala impairs retrieval of aversive events in rats by activating the cannabinoid receptor sub-type 1. 37° Meeting Italian Society of Pharmacology - 27th-30th October 2015, Naples, Italy

Ratano P., Carlucci M., Campolongo P., Increasing levels of the endogenous cannabinoid anandamide in the basolateral amygdala impairs retrieval of pavlovian fear memories in rats. EBBS-EBPS Joint Meeting, 12th-15th September, 2015, Verona, Italy

Ratano P., Forti F., Trezza V., Campolongo P., Endocannabinoid system and consolidation of aversive memory: beyond the classic role of cannabinoid receptor subtype 1. Mediterranean Neuroscience Society, MNS 5th Meeting, 12th-15th June, 2015, Santa Margherita di Pula, Sardinia, Italy

Ratano P., Rubino B., Campolongo P., Memory consolidation of traumatic events: Who else besides cannabinoid receptor subtype 1?. Gordon Research Conferences: Cannabinoid Function in the CNS, 24th-29th May 2015, Barga (Lucca), Italy

Ratano P., Durante M.C., Yadao E., Trezza V., Campolongo P., Systematic profiling of cannabinoid effects on memory consolidation in rats. Society for neuroscience 44th annual meeting, 15th-19th November 2014, Washington, DC, USA

Ratano P., Savo M., Campolongo P., Cuomo V., Effect profiling of cannabinoid compounds on consolidation of emotional memory in rats. 36° Meeting Italian Society of Pharmacology 23th-26th October 2013, Turin, Italy

Campolongo P., Morena M., **Ratano P.**, Cuomo V., Endocannabinoids and Emotional Memory Modulation: The Key Role of the Basolateral Complex of the Amygdala, 36° Meeting Italian Society of Pharmacology 23th-26th October 2013, Turin, Italy

Ratano P., Forti F., De Castro V., Trezza V., Cuomo V., Campolongo P., Effects of cannabinoid compounds on consolidation of memory for emotionally arousal experiences in rats. 25° Congresso Nazionale della Società Italiana di Neuroscienze, 3th-5th October, 2013, Rome, Italy

Peloso A., Morena M., **Ratano P.**, Hauer D., Trezza V., Cuomo V., Schelling G., P. Campolongo, Endocannabinoid modulation of memory consolidation: the crucial role of the basolateral complex of the amygdala. XV Congresso Nazionale della Società Italiana di Neuroscienze, 3th-5th October, 2013, Rome, Italy

Ratano P., Everitt B.J., Milton A.L., The CB1 receptor antagonist AM251 locally administered in the rat basolateral amygdala disrupts reconsolidation of pavlovian fear memory. 15th EBPS Biennial Meeting, 6th-9th September 2013, La Rochelle, France (**Oral Communication**)

Milton A. L., Ilioi E. C., **Ratano P.**, Merlo E., Bannon C. A. M., Bradley-Watson J. C., Harper R., Everitt B. J., Effects of dopamine receptor antagonism on the destabilisation of amygdala-dependent appetitive or aversive memories, Society for neuroscience 42° Annual meeting 2012, 13th-17th October, New Orleans, Louisiana, USA

Morena M., Hauer D., **Ratano P.**, Carrara V., Roozendaal B., Cuomo V., Schelling G., Campolongo P. The anesthetic propofol enhances memory consolidation of stressful events via an interaction with the endocannabinoid system - Open format school "Drugs and the Brain: an Update in Psychopharmacology from Experimental to Clinic", 15th-20th April 2012, Braga, Portugal

Morena M., Hauer D., **Ratano P.**, Scaccianoce S., Trezza V., Pecci C., Atsak P., Cuomo V., Roozendaal B., Schelling G., Campolongo P. The endocannabinoid system and the regulation of memory consolidation for emotionally arousing experiences - 8th FENS Forum of Neuroscience, 14th-18th July 2012, Barcelona, Spain

Morena M., Trezza V., **Ratano P.**, Bedetta M.C., Campolongo P., Cuomo V. Basolateral amygdala interacts with other brain regions in regulating endocannabinoid effects on memory for emotionally arousing experiences – Convegno monotematico "Cannabinoidi: presente e futuro", 14th-15th September 2012, Ferrara, Italy

Ratano P., Trezza V., Morena M., Manduca A., Miele J., Campolongo P., Cuomo V., Effects of central administration of the indirect cannabinoid agonist URB597 in the modulation of emotional memory in rats. Cambridge Neuroscience Seminar, 20th March 2012, Cambridge, UK

Scuderi C., Valenza M., **Ratano P.**, Pompili E., Fumagalli L., Esposito G., Campolongo P., Steardo L., Palmitoylethanolamide counteracts reactive gliosis in an in vivo model of Alzheimer's disease. Convegno monotematico della Società Italiana di Farmacologia - I Cannabinoidi: dalla biologia alla clinica 29th-30th September 2011, Cagliari, Italy

Scuderi C., Valenza M., **Ratano P.**, Steardo A., Esposito G., Campolongo P., Carratù M.R. and Steardo L., Palmitoylethanolamide is able to attenuate astrocyte activation and neuroinflammation in an in vivo model of Alzheimer's disease, 35° Meeting Italian Society of Pharmacology, 14th-17th September, 2011, Bologna Italy

Morena M., Trezza V., **Ratano P.**, Pecci C., Palmery M., Campolongo P., Cuomo V., Inhibition of Fatty Acid Amide Hydrolase (FAAH) in the rat limbic system enhances consolidation of memory for emotionally arousing events, 35° Meeting Italian Society of Pharmacology, 14th-17th September 2011, Bologna, Italy

Ratano P., Trezza V., Morena M., Manduca A., Miele J., Campolongo P., Cuomo V., Effects of central administration of the indirect cannabinoid agonist URB597 in the modulation of emotional memory in rats, 24° ECNP Congress, 3th-4th September 2011, Paris, France

Ratano P., Morena M., Manduca A., Miele J., Trezza V., Scattoni M.L., Palmery M., Campolongo P., Cuomo V., The endocannabinoid transport inhibitor AM404 differentially modulates short-term memory and emotionality depending on environmental aversiveness, The Emotional Brain, From neurobiology to new therapeutic opportunities, 5th-6th September 2011, Rome, Italy

Morena M., Hauer D., **Ratano P.**, Palmery M., Roozendaal B., Cuomo V., Schelling G., Campolongo P., Should propofol anesthesia be used shortly after a patient experiences a stressful event? The Emotional Brain, From neurobiology to new therapeutic opportunities, 5th-6th September 2011, Rome, Italy

Campolongo P., Scaccianoce S., Trezza V., **Ratano P.**, Hauer D., Schelling G., McGaugh J., Cuomo V., Roozendaal B., Cannabinoid effects on object recognition memory depend on training-associated emotional arousal, 40° Annual meeting Neuroscience 2010, 13th-17th November, San Diego, California, USA

Campolongo P., Roozendaal B., **Ratano P.**, Trezza V., Hauer D., Schelling G., McGaugh J.L., Cuomo

V., The anandamide hydrolysis inhibitor URB597 in the rat basolateral amygdala enhances memory consolidation for emotional experiences - 19^o IBNS Annual Meeting 8th-13th June 2010, Villasimius, Sardinia, Italy

Seminars

2015-2016	Lecture on Animal models and Neuroscience for undergraduate students of the Master Course in Genetics and Molecular Biology in Basic and Biomedical Research, Faculty of Mathematics, Physics and Natural Sciences - Sapienza University of Rome
2015-2016	Lectures on Receptors; Excitatory synaptic transmission for undergraduate students of the Master Course in Medicinal Chemistry, Faculty of Pharmacy and Medicine - Sapienza University of Rome
2015-2016	Lectures on Toxicity mechanisms; Food Toxins; Epidemiology for undergraduate students of the Master Course in Pharmacy, Faculty of Pharmacy and Medicine -Sapienza University of Rome
2014-2015	Lecture on Epidemiology for undergraduate students of the Master Course in Biological Sciences, Faculty of Biology - University of RomaTre
2014-2015	Lectures on Toxicity mechanisms; Mycotoxins; Epidemiology for undergraduate students of the Master Course in Pharmacy, Faculty of Pharmacy and Medicine -Sapienza University of Rome
2013-2014	Lectures on Toxicity mechanisms; Heavy metals; Pesticides for undergraduate students of the Master Course in Pharmacy, Faculty of Pharmacy and Medicine -Sapienza University of Rome
2011-2012	Lectures on Toxicity mechanisms; Heavy metals; Pesticides for undergraduate students of the Master Course in Pharmacy, Faculty of Pharmacy and Medicine -Sapienza University of Rome
2011-2012	Lectures on Toxicity mechanisms for undergraduate students of the Master Course in Pharmacy, Faculty of Pharmacy and Medicine -Sapienza University of Rome

Other teaching activities

2014-2015	Educational training for undergraduate students of the Master Course in Pharmacy, Faculty of Pharmacy and Medicine -Sapienza University of Rome
2013-2014	Educational training for undergraduate students of the Master Course in Pharmacy, Faculty of Pharmacy and Medicine -Sapienza University of Rome
2013-present	Tutor of Master students - Faculty of Pharmacy and Medicine -Sapienza University of Rome
2013-present	Culture della Materia in Toxicology, Sapienza University of Rome
2013-present	Exam committee member for undergraduate students of the Master Course in Pharmacy, and of the Master Course of Medicinal Chemistry, Faculty of Pharmacy and Medicine -Sapienza University of Rome
2009-2011	Teaching/tutoring at Istituto Cortivo – Centro di Formazione Professionale , Padua, PD (Courses of Anatomy, Physiology, Food Sciences, First Aid and Hygiene, Pathology and Pharmacology)

Honours and awards

October 2015	Best poster award, 37 ^o Meeting Italian Society of Pharmacology - 27th-30th October 2015, Naples, Italy
May 2015	Individual 1-year fellowship for the Research Project “Emotional Memory and Endocannabinoid System (EMES): systematic profiling of cannabinoid compounds on memory consolidation in rats”, funded by the Italian Society of Pharmacology and MSD Italia (€ 25,000)
Aug 2011	Individual 1-year fellowship for Research Stay Abroad, Italian Society of Pharmacology
Oct 2009	Individual 3-years PhD fellowship in “Toxicology” released by Sapienza University of Rome, Italy
Sep 2005	Individual 5-years University Merit fellowship released by LAZIODISU Agency for the Right to University Studies in the Lazio region, Rome, Italy

Memberships

2015-present	Mediterranean Neuroscience Society
2013-present	Basel Declaration Society
2011-present	Italian Society of Pharmacology
2011-present	European Behavioural Pharmacology Society
2011-present	Society for Neuroscience

Courses

October 2015	Triple check: the 3Rs and the evaluation of research protocols - Villa Farnesina, Rome, Italy
March 2012	SPSS: Beyond the basics - University Computing Service, University of Cambridge, Cambridge, UK
March 2012	SPSS: Introduction for beginners - University Computing Service, University of Cambridge, Cambridge, UK
Feb 2012	Statistic for Graduate Biologists Course - School of Biological Sciences, University of Cambridge, Cambridge, UK
Nov 2011	Chemical Safety Training Course – Occupational Health and Safety Service, University of Cambridge, Cambridge, UK
Jun 2011	ANIMALS (SCIENTIFIC PROCEDURES) ACT 1986 Scientific Procedures on Living Animals – Home

Jun 2010	Office Training Course, University of Cambridge, Cambridge, UK
Mar 2010	Summer School Early Programming of Adult Modern Diseases, GDRE-691, North Lille University of France, Lille, France
Feb 2008	“Neurological and Psychiatric Disorders: from Neurobiology to Medicine. Focus on Schizophrenia”, workshop monotematico, Italian Society of Pharmacology, Sapienza University of Rome
	Theoretical and Practical training course for operators of the enclosure, organized by Service for Biotechnology and Animal Welfare, Animal Experimentation Sector, Istituto Superiore Sanità, Rome, Italy

Other Scientific Activities

- **Scientific Secretariat** – Conference “The Emotional Brain: From Neurobiology to new Therapeutic Opportunities”, 5th-6th September 2011, Rome, Italy
- **Ad hoc Journal Reviewer:** Plos One; European Neuropsychopharmacology

Involvement in National and International Research Project

01/12/2012 – 30/07/2016	Researcher. Project Title: Neuroscience meets nanotechnology: the key to unlock emotional memories with nanodetectors Agency: Human Frontier Science Program Principal Investigator: CAMPOLONGO Patrizia Grant Number: RGY0077/2012 (amount USD 750.000)
08/03/2012 – 30/07/2016	Researcher. Project Title: Disturbo post traumatico da stress in età evolutiva: dalla caratterizzazione di processi neurobiologici e fattori di vulnerabilità allo sviluppo di nanotecnologie per applicazioni terapeutiche Agency: MIUR – Futuro in Ricerca Principal Investigator: PAROLARO Daniela Co-Principal Investigator: CAMPOLONGO Patrizia Grant Number: RBF10XKHS_003 (amount Euro 385.000)
01/02/2013 – 01/02/2016	Researcher. Project Title: Ruolo emergente del sistema degli endocannabinoidi nelle malattie neuropsichiatriche Prof. Vincenzo Cuomo: vincenzo.cuomo@uniroma1.it

References

Prof. Cristina Limatola: cristina.limatola@uniroma1.it
Prof. Sergio Fucile: sergio.fucile@uniroma1.it
Prof. Davide Ragozzino: davide.ragozzino@uniroma1.it
Dr. Daniele Caprioli: daniele.caprioli@uniroma1.it
Prof. Barry J. Everitt: bje10@cam.ac.uk
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Rome, 13/08/2022

Dr. Patrizia Ratano